STATEMENT

OF

WORK

(SOW)

FOR THE

TRAILER
RIBBON BRIDGE/CONTAINER
HAULER MK18A1

2320-01-392-0293

MK18A1

CONTROL NR: SOW-03-835-1-09470B-2/1

EFFECTIVE DATE: 1 OCTOBER 01

TABLE OF CONTENTS

Section and Heading		Page
1.0	SCOPE	1
1.1	Background	1
2.0	APPLICABLE DOCUMENTS	1
2.1	Military Standards	1
2.2	Other Government Documents and Publications	1
2.3	Industry Standards	2
3.0	REQUIREMENTS	2
3.1	General Tasks	2
3.2	Detailed Tasks	3
3.2.1	Phase I Pre-Induction	3
3.2.2	Phase II IROAN	3
3.2.3	Phase III Inspection, Testing, and Acceptance	4
3.2.4	Packaging, Handling, Storage and Transportation (PHS&T)	4
3.3	Configuration Control	4
3.4	Government Furnished Equipment (GFE)/ Government Furnished Materiel (GFM)	5
3.5	Contractor Furnished Materiel	5
3.6	Quality Assurance Provisions	5
3.7	Rejection	5
4.0	Reports	6

STATEMENT OF WORK FOR THE TRAILER, RIBBON BRIDGE/CONTAINER MK18A1 NSN 2320-01-392-0293 Inspect Repair Only As Necessary (IROAN)

1.0 SCOPE. This Statement of Work (SOW), along with Rebuild Standard (RS) 09470B-50 sets forth and identifies the work efforts that shall be performed by the contractor in the IROAN effort of the MK18A1 Trailer. These documents contain minimum requirements to restore the MK18A1 Trailer to Condition Code "A." Condition Code A is defined as "serviceable/issuable without qualification, new, used, repaired, or reconditioned materiel which is serviceable and issuable to all customers without limitation or restriction. National Stock Number 2320-01-392-0293 shall be known as the MK18A1 Trailer.

1.1 Background. IROAN is defined as "That maintenance technique which determines the minimum repairs necessary to restore equipment components or assemblies to prescribed maintenance serviceability standards by utilizing all available diagnostic 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 issues of these documents are those listed in the issue of 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-STD-129	DoD Standard Practice for Military Markings

2.2 Other Government Documents and Publications. The issues of those documents cited below shall be used.

RS 09470B-50	Trailer, Self-Loading, Ribbon Bridge/Container Hauler 4X4, M K18A1
TM 3080-50	Corrosion Prevention and Control
ATPD 2241	Vehicles, Wheeled: Preparation for Shipment and Storage of
DOD 4000.25-1-M	MILSTRIP Manual
NAVICPINST 4491.2A	Instruction Requisitioning of Contractor Furnished Materiel from the Federal Supply System

Military Handbooks (For Guidance)

MIL-HDBK-61	Configuration Management

2.3 Industry Standards

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

Industry Standards (For Guidance)

ANSI/EIA-649	National Consensus Standard for Configuration Management

Copies of Military Standards and Specifications are available from the 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 Contracting Officer: Commander, Attn: Contracting Officer (Code 891), Marine Corps Logistics Base, 814 Radford Blvd., Albany, Georgia 31704-1128, commercial telephone number (229) 639-6761 or DSN 567- 6761. Copies of engineering drawings, if applicable, shall be obtained from Life Cycle Management Center, Attn: Code 851-3, 814 Radford Blvd., Suite 20320, Albany, Georgia 31704-0320, commercial telephone number (229) 639-6410 or DSN 567-6410.

3.0 REQUIREMENTS

3.1 General Tasks. In fulfilling the specified requirements, the contractor shall:

a. Provide materials, labor, facilities, repair parts, and missing parts necessary to inspect, diagnose, restore, and test the MK18A1 Trailer. Upon completion of IROAN, repaired vehicles shall be Condition Code "A."

b. Provide all tools and test equipment required to test, inspect, and calibrate the MK18A1 Trailer.

c. Conduct final on-site testing for witness by an MCLB, Albany, Georgia, representative (Code 835-1).

d. Be responsible for all structural, electrical and mechanical requirements associated with the restoration of the MK18A1 Trailer.

e. Be responsible for all corrosion prevention and control in accordance with the latest TM 3080-50.

3.2 Detailed Tasks. The following tasks describe the different phases for IROAN of the MK18A1 Trailer.

3.2.1 Phase I- Pre-induction. A pre-induction inspection analysis shall be performed for each MK18A1 Trailer using the contractor's diagnosis, inspection and testing techniques to determine extent of work and parts required in accordance with RS 09470B-50. If it is determined that the cost of repair exceeds the standard unit price or acquisition/replacement cost as imposed by current Marine Corps directives or for any other reason, the contractor facility rejects an IROAN candidate, the contractor shall provide the government with a completed copy of a Limited Technical Inspection (LTI) to include a cost estimate and a request for specific instructions to Life Cycle Management Center (LCMC) (Code 835-1) 814 Radford Blvd., Albany, GA. 31704-1128. The intent of this clause is to preclude the arbitrary rejection of "IROAN" candidates by the contractor based solely on cost criteria directed by current Marine Corps directives. LCMC retains the right to make the final decision to restore the end item to a serviceable (condition code A) asset in the most expeditious manner to enhance Marine Corps readiness.

3.2.2 Phase II - IROAN. After pre-induction tests and inspections have been completed, repair of the MK18A1 Trailer shall be accomplished in accordance with this SOW at the contractor's facility. Deficiencies noted in the pre-induction inspection during Phase I shall be repaired/replaced. Components or assemblies shall not be disassembled for replacement of mandatory parts unless that part has failed, or the component assembly wherein the part is located, is disassembled for repair.

a. Data plate. The MK18A1 Trailer shall have an IROAN data plate located by the original manufacturer's data plate. This plate (refer to Figure 1) shall be constructed of metal and is to be attached after the vehicle has completed the IROAN cycle. The data plate shall contain the following information:

VEH. SER. NO._____DATE

OVERHAULED IN ACCORDANCE WITH INSPECT AND REPAIR ONLY AS NECESSARY (IROAN) CONTAINED IN SOW-03-835-1-09470B-2/1

CONTRACTOR_____

(Figure 1)

b. Hardware.

(1) Replace broken, unserviceable, and/or missing hardware including nuts, bolts, screws, washers, turnlock fasteners, etc. Unserviceable would include any of the above that failed to function properly.

(2) Ensure proper hardware locking devices are present on all moving mechanical assemblies.

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

3.2.3 Phase III - Inspection, Testing, and Acceptance.

a. Inspection, Testing and Acceptance of the MK18A1 Trailer shall be conducted in accordance with the Contractors standard Road Test and Final Inspection.

b. The contractor shall be responsible for conducting required tests and shall ensure all necessary personnel are available to complete the final acceptance. Acceptance tests shall be held at the contractor's facility. MCLB, Albany, Georgia, representatives (Code 835-1) shall be given a minimum of two weeks notice prior to beginning acceptance testing. The test area shall be cleared of all equipment parts, components, etc., not required for testing.

c. The contractor shall be responsible for correcting any deficiencies identified during inspection/testing. MCLB, Albany, Georgia, (Code 835-1) may require the contractor to repeat tests or portions thereof, if the original tests fail to demonstrate compliance with this SOW.

3.2.4 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. Items scheduled for long-term storage or shipment to overseas destinations shall be in accordance with the level A requirements of ATPD 2241. Items scheduled for domestic shipment, immediate use or short-term storage shall be to level B requirements.

b. Marking 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 shall be responsible for transportation costs associated with shipping the subject equipment to and from the Contractor.

3.3 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 receiving prior written authorization. The baseline configuration has been defined by the written procedures or material contained in manuals, standards, instructions or engineering drawings. If it is necessary to depart from the authorized configuration baseline, the contractor shall submit a Request for Deviation. MIL-HDBK-61 (paragraph 4.3 and Table 4-9) and ANSI/EIA-649 (paragraph 5.3.4) provide guidance for preparing this configuration control document.

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/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.

3.5 Contractor Furnished Materiel (CFM). The Marine Corps has adopted the Navy's procedures regarding Contractor Furnished Materiel (NAVICPINST 4491.2A). In the event Contractor Furnished Materiel (CFM) 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 Provisions. The contractor shall provide and maintain a Quality System that as a minimum, adheres to the requirements of ANSI/ISO/ASQC Q9002-94, Quality Systems - Model for Quality Assurance in Production, Installation, and Servicing. Performance of the contractor and the quality of work delivered, materiel provided, and documents written shall be subject to review and inspection by MCLB, (Code 835-1) Albany, Georgia, representatives during work performance at any work location. Authorized MCLB, (Code 835-1) Albany, Georgia, representatives shall be permitted to observe the work/task accomplishment or to conduct inspections during working hours. Inspection by MCLB, (Code 835-1), Albany, Georgia, representatives, of test plans and materials furnished hereunder does not relieve the contractor from any responsibility regarding defects or other failures to meet work 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 have in place documented procedures and standards for inspection requirements and the contractor's work shall be subject to reviews and inspections for compliance with these procedures and standards by MCLB, (Code 835-1), Albany, Georgia, representatives. Noncompliance with procedures resulting in degraded quality of work may result in a stop-work order requiring action by the contractor to correct the work performed and to enforce compliance with quality assurance procedures or face work termination. Notwithstanding such MCLB, (Code 835-1) Albany, Georgia, representatives inspection, it shall be the contractor's responsibility to ensure that the entire system meets the performance requirements delineated and addressed in this SOW.

3.7 Rejection. Failure to comply with any of the specified requirements listed herein shall be reason for rejection by MCLB, (Code 835-1) Albany, Georgia. The contractor shall, at no additional cost to MCLB, (Code 835-1) 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 requirements is demonstrated.

4.0 REPORTS.

4.1 Parts Usage Data Report. The contractor shall provide a Parts Usage Data Report for every twenty vehicles produced or when the MWS Line is completed for quantities less than twenty. This report shall be in the Contractors format and as a minimum, list by nomenclature, National Stock Number (NSN), Part Number, price and quantity of all parts replaced. The report shall be provided to Commander (Code 835-1), Marine Corps Logistics Bases, 814 Radford Blvd, Albany, Georgia, 31704-1128. Appendix A is provided as a sample.

	Fig #	Item	Kit No.	FSC	NSN	Part #	Qty	Unit $	Total $	Replcd %	Replace	Used
	TM 2320-24P/14B											
Cab Assm			01MRP2801									
Cab (Sheetmetal)	210	1		2510	012332569	123616RU	1	$8,872.31	$8,872.31			
Visor	209	1	00MRPXXX	2540	011527909	840	2	$15.89	$31.78			
Step Bracket	209	22	01MRP2549	2540	011513844	1325890	2	$36.35	$72.70			
Steps, Cab (A1)	209	30	1759650W	5440	013575699	1759650 W	2	$46.90	$93.80			
Rifle Racks (M.I.)(A1)	312	52		1005	012661233	5705590	1	$68.87	$68.87			
Rack, Storage	312	54		1095	007637348	11630529	2	$19.76	$39.52			
Cover, Access Assm, LH			01MRP2547	5342	012502237	128836C W	1	$28.49	$28.49			
Auxilary Panel Assm			01MRP2547	5340	012479444	1340080 W	1	$58.24	$58.24			
Access Cover Assm, RH			01MPR2547		012484553	129200BU	1	$82.28	$82.28			
Panel, Top			01MRP2547		012417405	1340100W	1	$231.71	$231.71			
Seat and Frame Assy (Driver)			00MRPXXX		011548406	130726	1	$311.42	$311.42			
Seat Cushions	222	2			011538448	130723	1	$38.54	$38.54			
Upholstery, Seat Back	222	3		2540	012642024	130724	1	$83.52	$83.52			
Belts			00MRPXXX	5340	012366311	1429570	1	$296.15	$296.15			
3 Point Seat Belts (A1)	222	21			013606538	F08900	1	$82.93	$82.93			
Absorber, Shock	222	9		2510	011538450	707774	1	$48.55	$48.55			
Support, Seat	209	37	01MRP2636	2540	011554155	1349180	1	$57.15	$57.15			
Seat and Frame Assy (Pass, Fold Down)			00MRPXXX	2540	012424866	131026	1	$432.81	$432.81			
Seat Cushions	222	2			011538448	130723	1	$38.54	$38.54			
Belts			00MRPXXX	5340	012366311	1429570	1	$296.15	$296.15			
3 Point Seat Belts (A1)	222	21			013606538	F08900	1	$82.93	$82.93			
Support, Seat	209	37	01MRP2636	2540	011554155	1349180	1	$57.15	$57.15			
Instrument Panel Assembly			01MRP2445									
Weldment, Dash Panel			01MRP2700		01A138795	1341930W	1	?	#VALUE!			
Harness, Panel	75	11		5995	012475725	1500380W	1	$43.67	$43.67			
Plate, Side Panel			01MRP2701			1345630	1	?	#VALUE!			
Gages									$0.00			
Gage, Oil Pressure	73	4		6620	011428277	0634114	1	$17.21	$17.21			
Gage, Air Pressure	313	1		6685	011218017	140490	1	$49.35	$49.35			
Gage, Fuel	73	9		6680	011312551	0633915	1	$17.35	$17.35			
Gage, Water Temp	73	14		6620	011319620	0634317	1	$17.14	$17.14			
Gage, Transmission Oil Temp	73	20		6685	011324637	0634914	1	$20.91	$20.91			
Gage, Voltmeter	73	25		6625	011027599	0635215	1	$14.11	$14.11			
Gage, Hydraulic Oil Temp	73	30		6620	012443425	0697263	1	$25.01	$25.01			
Tachometer	73	36		6680	011319693	535K1/47711	1	$96.06	$96.06			
Speedometer	73	8		6680	012674356	47828	1	$114.03	$114.03			
Warning Lights									$0.00			

		Light, Warning Green		73	57		6210	010531290	1053628	3	$23.07	$69.21	
		Light, Warning		75	2		6210	012064754	1053621	2	$20.74	$41.48	
		Shield, Light	71/19 73/53	75	1		6210	010549460	1215	3	$3.05	$9.15	
		Buzzer Warning System		75	29		6350	001024210	SC628	1	$85.77	$85.77	
		Low Air Pressure Alarm		73	77		6350	010524043	443724	1		$0.00	
		Drive Line Lockup Valve		161	55		4820	010505584	285402	1	$63.92	$63.92	
		Air Brake Valve(Air Control)		169	1	01MRP2642	4820	011517984	118569	1	$162.69	$162.69	
		Air Restrictor Indicator		33	6		2940	011544713	RAX007388	1	$18.18	$18.18	

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 Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER X
D. SYSTEM/ITEM: MK18A1	E. CONTRACT/PR NO.	F. CONTRACTOR

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A001	Request For Deviation	Configuration Management

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-CMAN-80640B	SOW 3.3	MCLBA (851)

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		

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

16. REMARKS

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

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 via e-mail to the following address: mbmatcomconfigmngmnt@matcom.usmc.mil

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

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES: Draft	Final: Reg	Final: Repro
MCLBA (851-2)	0	1	0
MCLBA (835-1)	0	0	0
15. TOTAL →	0	1	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Carl Pitti	11-28-00	D Cooper	11-29-00