

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Cost Plus Fixed Fee Page 1 Of 10

2. Amendment/Modification No. 01 3. Effective Date 2013SEP17 4. Requisition/Purchase Req No. SEE SCHEDULE 5. Project No. (If applicable)

6. Issued By Code W56HZV 7. Administered By (If other than Item 6) Code S2305A
 U.S. ARMY CONTRACTING COMMAND
 STEPHANIE DICKINSON
 WARREN, MICHIGAN 48397-5000
 HTTP://CONTRACTING.TACOM.ARMY.MIL
 EMAIL: STEPHANIE.DICKINSON1@US.ARMY.MIL
 DCMA DETROIT
 35803 MOUND ROAD
 STERLING HEIGHTS MI 48310

8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)
 WALTONEN ENGINEERING INC.
 WALTONEN ENGINEERING
 31330 MOUND RD
 WARREN, MI 48092-1654
 9A. Amendment Of Solicitation No.
 9B. Dated (See Item 11)
 10A. Modification Of Contract/Order No.
 W56HZV-09-D-0156/0007
 10B. Dated (See Item 13)
 2013JUL31
 Code 1WLX1 Facility Code

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers
 is extended, is not extended.
 Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:
 (a) By completing items 8 and 15, and returning _____ copies of the amendments; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. **FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.** If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting And Appropriation Data (If required)
 SEE SECTION G (IF APPLICABLE)

**13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS
 It Modifies The Contract/Order No. As Described In Item 14.**

A. This Change Order is Issued Pursuant To: _____ The Changes Set Forth In Item 14 Are Made In _____
 The Contract/Order No. In Item 10A.
 B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).
 C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of:
 D. Other (Specify type of modification and authority) Mutual Agreement of Both Parties

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the Issuing Office.

14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

SEE SECOND PAGE FOR DESCRIPTION

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name And Title Of Signer (Type or print) 16A. Name And Title Of Contracting Officer (Type or print)
 JOHN M. HOPFNER
 JOHN.HOPFNER@US.ARMY.MIL (586)282-7359
 15B. Contractor/Offeror 15C. Date Signed 16B. United States Of America 16C. Date Signed
 By _____ /SIGNED/ 2013SEP17
 (Signature of person authorized to sign) (Signature of Contracting Officer)

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	PIIN/SIIN W56HZV-09-D-0156/0007 MOD/AMD 01	
Name of Offeror or Contractor: WALTONEN ENGINEERING INC.		

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name: STEPHANIE DICKINSON
 Buyer Office Symbol/Telephone Number: CCTA-ASG-B/(586)282-9705
 Type of Contract: Cost Plus Fixed Fee
 Kind of Contract: Research and Development Contracts
 Type of Business: Other Small Business Performing in U.S.
 Surveillance Criticality Designator: C
 Weapon System: No Identified Army Weapons Systems

*** End of Narrative A0000 ***

Contract & Task Order: W56HZV-09-D-0156 0007
 Modification: 01
 Previous Amount: \$243,835.87
 Amount of this Action: \$391,966.89
 Revised Amount: \$635,802.76

1. The purposes of this bilateral modification, 01, to contract W56HZV-09-D-0156 for task order 0007 are:
 - a. to fully exercise option 1 & 2 and
 - b. to extend the periods of performance for option 1 and 2.
2. The following Option CLINs are hereby exercised:
 - a. CLIN 0002, Option 1, is exercised in the amount of \$246,701.92.
 - b. CLIN 0003, Option 2, is exercised in the amount of \$145,264.97.
3. The periods of performance for option 1 and 2 are hereby extended:
 - a. Option 1, from six months to seven months.
 - b. Option 2 is hereby extended from three months to five months.

3. The following sections of the Scope of Work (SOW) are hereby updated to reflect the revised period of performance for option 1 and 2:

C.4.1
 FROM: Option 1 - six (6) months after the date of option exercise, Option 2 - three (3) months after the date of option exercise;
 TO: seven (7) months after the date of option exercise, Option 2 - five (5) months after the date of option exercise.

C.5.1
 FROM: Start of Work Meeting: The Contractor shall host the Start of Work meeting and the duration shall not exceed 4 hours. The time, attendees, agenda and action items for the Start of Work Meeting shall be mutually agreed on by the FTR and Contractor when the contract is awarded. The Start of Work Meeting shall be scheduled no later than ten (10) business days from the date of award of Task Order 0007;
 TO: Start of Work Meeting: The Contractor shall host the Start of Work meeting and the duration shall not exceed 4 hours. The time, attendees, agenda and action items for the Start of Work Meeting shall be mutually agreed on by the FTR and Contractor when the contract is awarded. The Start of Work Meeting shall be scheduled no later than forty (40) business days from the date of award of Task Order 0007

C.5.2
 FROM: Concept Review Meeting: The Concept Review meeting shall be held via teleconference and web-conference. The time, attendees, agenda and action items for the Concept Review Meeting shall be mutually agreed upon by the FTR and Contractor five (5) business days before the meeting. The Concept Review Meeting shall be scheduled no later than forty-five (45) business days from the date of award of Task Order 0007. If Option 1 is exercised, a Concept Review Meeting shall be scheduled no later than forty-five (45) business days after the award of Option 1;
 TO: Concept Review Meeting: The Concept Review meeting shall be held via teleconference and web-conference. The time, attendees, agenda and action items for the Concept Review Meeting shall be mutually agreed upon by the FTR and Contractor five (5) business days before the meeting. The Concept Review Meeting shall be scheduled no later than forty-five (45) business days from the date of award of Task Order 0007. If Option 1 is exercised, a Concept Review Meeting shall be scheduled no later than seventy-five (75) business days after the award of Option 1

C.6.4.1
 FROM: If Option 1 is exercised by the Contracting Officer, the Contractor shall deliver a Draft Scientific and Technical Report for

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Name of Offeror or Contractor: WALTONEN ENGINEERING INC.

option 1 IAW paragraph C.6.4 immediately above, no later than five (5) months after Option 1 exercise date. The FTR will provide comments within fifteen (15) calendar days of draft submittal. The Contractor shall submit the final Scientific and Technical Report to the FTR no later than fifteen (15) calendar days after receipt of the draft report with comments;

TO: If Option 1 is exercised by the Contracting Officer, the Contractor shall deliver a Draft Scientific and Technical Report for option 1 IAW paragraph C.6.4 immediately above, no later than six (6) months after Option 1 exercise date. The FTR will provide comments within fifteen (15) calendar days of draft submittal. The Contractor shall submit the final Scientific and Technical Report to the FTR no later than fifteen (15) calendar days after receipt of the draft report with comments.

C.6.4.2

FROM: If Option 2 is exercised by the Contracting Officer, the Contractor shall deliver a draft addendum to the final report delivered per the base performance period, Section C.3.3, no later than two (2) months after the Option 2 exercise date. The FTR will provide comments within fifteen (15) calendar days of the draft addendum submittal. The Contractor shall submit the final addendum Scientific and Technical Report to the FTR no later than fifteen (15) calendar days after receipt of the addendum report with comments;

TO: If Option 2 is exercised by the Contracting Officer, the Contractor shall deliver a draft addendum to the final report delivered per the base performance period, Section C.3.3, no later than four (4) months after the Option 2 exercise date. The FTR will provide comments within fifteen (15) calendar days of the draft addendum submittal. The Contractor shall submit the final addendum Scientific and Technical Report to the FTR no later than fifteen (15) calendar days after receipt of the addendum report with comments.

C.6.5.2

FROM: The Contractor shall deliver the final designs, drawing and model of the underbody structure and flooring concepts for blast impulse reduction to the FTR no later than five (5) business days after the Concept Final Approval. The Contractor shall request the Concept Designs Final Approval from the FTR no later than sixty (60) business days from the date of award of Task Order 0007;

TO: The Contractor shall deliver the final designs, drawing and model of the underbody structure and flooring concepts for blast impulse reduction to the FTR no later than five (5) business days after the Concept Final Approval. The Contractor shall request the Concept Designs Final Approval from the FTR no later than ninety (90) business days from the date of award of Task Order 0007.

C.6.5.3

FROM: The Contractor shall deliver detailed designs CAD models to the FTR no later than sixty (60) days from the date of award of Task Order 0007. Model and Drawing Data deliverables are IAW CDRL A005; TO: The Contractor shall deliver detailed designs CAD models to the FTR no later than ninety (90) days from the date of award of Task Order 0007. Model and Drawing Data deliverables are IAW CDRL A005.

C.7.2

FROM: For both C.7.2(a) and (b), fabrication shall be completed forty five (45) days from Option 2 award date. The Contractor shall deliver a report which documents any deviations from the drawings and manufacturing/assembly processes developed in the Base Contract IAW CDRL;

TO: For both C.7.2(a) and (b), fabrication shall be completed seventy-five (75) days from Option 2 award date. The Contractor shall deliver a report which documents any deviations from the drawings and manufacturing/assembly processes developed in the Base Contract IAW CDRL.

4. As a result of this modification, the total obligated amount of this contract is increased by \$391,966.89 from \$243,835.87 to \$635,802.76.

5. Except as provided herein, all other terms and conditions of Contract W56HZV-09-D-0156 0007 as previously modified remain unchanged, in full force and effect.

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Name of Offeror or Contractor: WALTONEN ENGINEERING INC.

*** END OF NARRATIVE A0001 ***

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Name of Offeror or Contractor: WALTONEN ENGINEERING INC.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT										
0002	<p>SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS</p> <p><u>EXERCISED OPTION 1</u></p> <p>GENERIC NAME DESCRIPTION: OMNIBUS CONTRACT CLIN CONTRACT TYPE: Cost Plus Fixed Fee</p> <p>PRON: R33DB002R3 PRON AMD: 02 ACRN: AA AMS CD: 622601C05</p> <p>If exercised, the option effort shall be in accordance with Task Order 0007 Section C - C.7.</p> <p>The option effort shall include direct labor and the associated fee.</p> <p>The breakdown of the unexercised option is as follows:</p> <p>Est. Cost:\$231,645.00 Fixed Fee: \$15,056.92 Total:\$246,701.92</p> <p>(End of narrative B002)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p><u>Deliveries or Performance</u></p> <table border="0"> <tr> <td>DLVR SCH</td> <td>PERF COMPL</td> </tr> <tr> <td><u>REL CD</u></td> <td><u>QUANTITY</u></td> </tr> <tr> <td>001</td> <td>1</td> </tr> <tr> <td></td> <td><u>DATE</u></td> </tr> <tr> <td></td> <td>08-APR-2014</td> </tr> </table> <p>\$ 246,701.92</p>	DLVR SCH	PERF COMPL	<u>REL CD</u>	<u>QUANTITY</u>	001	1		<u>DATE</u>		08-APR-2014	1	LO		\$ 246,701.92
DLVR SCH	PERF COMPL														
<u>REL CD</u>	<u>QUANTITY</u>														
001	1														
	<u>DATE</u>														
	08-APR-2014														
0003	<p><u>EXERCISED OPTION 2</u></p> <p>GENERIC NAME DESCRIPTION: OMNIBUS ACTION CLIN CONTRACT TYPE: Cost Plus Fixed Fee</p> <p>PRON: R33DB120R3 PRON AMD: 01 ACRN: AB AMS CD: 633005221</p> <p>If exercised, the option effort shall be in accordance with Task Order 0007 Section C - C.7.</p> <p>The option effort shall include direct labor and the associated fee.</p>	1	LO		\$ 145,264.97										

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Name of Offeror or Contractor: WALTONEN ENGINEERING INC.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT									
	<p>The breakdown of the unexercised option is as follows:</p> <p>Est. Cost:\$125,630.19 Fixed Fee: \$8,165.96 Total:\$145,264.97</p> <p>(End of narrative B002)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p><u>Deliveries or Performance</u></p> <table border="0"> <tr> <td>DLVR SCH</td> <td></td> <td>PERF COMPL</td> </tr> <tr> <td><u>REL CD</u></td> <td><u>QUANTITY</u></td> <td><u>DATE</u></td> </tr> <tr> <td>001</td> <td>1</td> <td>15-FEB-2014</td> </tr> </table> <p style="text-align: right;">\$ 145,264.97</p>	DLVR SCH		PERF COMPL	<u>REL CD</u>	<u>QUANTITY</u>	<u>DATE</u>	001	1	15-FEB-2014				
DLVR SCH		PERF COMPL												
<u>REL CD</u>	<u>QUANTITY</u>	<u>DATE</u>												
001	1	15-FEB-2014												

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SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

STATEMENT OF WORK

C.1. Scope of Work

C.1.1 The Contractor, acting as an independent contractor and not as an agent of the Government shall provide the necessary personnel, facilities, materials, and services to complete the effort described in this statement of work.

C.1.1.1 The Contractor has no authority to make decisions that bind the Government to any agreements or commitments through performance of any work under this contract.

C.2. Background

C.2.1 The purpose of this Statement of Work (SOW) is to design or redesign vehicle underbody and flooring sub-systems that are being researched by the Tank Automotive Research Development and Engineering Center (TARDEC). The Contractor will collect shock, impulse, energy distribution, and energy management data from flooring and structural systems to support TARDEC's Ground Systems Survivability (GSS) Office. In turn this data shall be used to develop new or redesign existing flooring and structural systems that mitigate the energy transmitted to the occupant. In order to collect this data, the flooring and structural concepts need to be designed in detail and analyzed in the virtual environment. In fiscal year (FY) 2012, there was an effort which provided level II drawings for two flooring and two underbody concepts, under contract W56HZV-09-D-0156 0005. The effort performed per this statement of work will build upon the lessons learned from those designs and incorporate new ways of mitigating the transmission of energy to the vehicle occupant. The data will be used to provide government internal customers with advanced energy mitigating options for incorporating into a demonstrator vehicle programs.

C.3. Tasks

C.3.1 The Contractor shall provide the following: Detailed descriptions of design work; details for Computer Aided Design (CAD) work in accordance with (IAW) CDRL A005. The Contractor shall provide CAD data in the following formats (Initial Graphics Exchange Specification (IGES), .stp file format, Pro-Engineer (Pro/E)); level II drawing detail; Bill of Materials (BOM) required for fabrication; source information for commercial-off-the-shelf (COTS) technologies; detailed attachment specifications (e.g., weld, bolt, adhesives); timing requirements to include intermediate milestones, reviews and deliverables; reporting requirements for cost and schedule tracking.

C.3.2 In-house prototype design: The Contractor shall provide the technical expertise necessary to develop detailed designs of vehicle underbody structures and energy absorbing flooring systems for blast impulse reduction IAW CDRL A005.

C.3.3 The Contractor shall deliver detailed designs or redesigns of (i) two underbody structures and (ii) two flooring concepts for blast-impulse reduction, beginning from basic concept sketches provided by the Functional Technical Representative (FTR) IAW CDRL A005.

C.3.4 The underbody structure concepts must contain the TARDEC developed common fixture which will be provided in the basic concept sketches. The common fixture contains legs made out of 4" mild steel square tubing (0.25 wall thickness), for a total of 135 linear feet of tubing, which is cut and welded to form the fixture skeleton frame. The fixture contains two steel side plates that are 67 inches x 20 inches x 1 inch which are welded to the frame. The fixture contains two mild Steel plates (top/bottom) that are 49 inches x 67 inches x 0.5 inches which are welded to the frame. The fixture has a steel ballast plate which is 67 inches x 49 inches x 1 inch which is fastened to the frame. The fixture has a Hull plate that is AL5083 which is 67 inches x 60 inches x 2 inches which is bent to 22 degrees (after bending process the hull width will be 55 inches).

C.3.5 The flooring concepts must fit into the TARDEC Flooring Fixture which has a 3 ft by 3 ft opening and a specified bolt pattern which will be provided with the basic sketch.

C.3.6 The Contractor shall translate the concepts into manufactureable and assembleable designs to include the following: full system and subsystem or component assembly; mass properties; material specifications; tolerances; dimensions; mass; manufacturing processes and details; fastener details; weld details; and quality assurance checks. The Contractor shall include the details listed above for the full design, sub-assemblies, components and drawings. The Contractor shall provide the manufacturing and assembly process for the underbody structures and flooring designs and shall include these details in CAD drawings and 3-D designs per CDRL A002 and CDRL A005. All CAD drawings and 3-D designs shall be made available in CAD format (Pro-E), 3-D pdf and .stp file format for submission to the FTR. 3-D designs and CAD drawings shall be complete and provided no later than the dates identified by the Schedule in Section C.6.5 to the FTR

C.3.7 The Contractor shall provide a Bill of Materials for the underbody structures and flooring designs developed per C.3.3 above IAW CDRL A006, to include: all materials; material properties; cost; tolerances; welding processes; and quantities.

C.3.8 The Contractor shall provide detailed designs for the underbody structures and flooring designs developed per C.3.3 above IAW CDRL A005 that utilize readily available and cost efficient materials with lead times not to exceed two (2) weeks from the time the materials are ordered.

C.3.9 The Contractor shall notify the FTR immediately by telephone or email if the period of performance dates for design completion or completion of technical data to be delivered will not be met. The Contractor shall follow up with a letter to the FTR no later than five (5) days after the above notification.

C.3.10 The Contractor shall present eighty-percent (80%) completed concept designs for the two underbody structure and two flooring concept designs developed per C.3.3 above at the Concept Review Meeting IAW Section C.5.2 that shall include a 3-D model review. After the Concept Review Meeting, the Contractor shall provide the final designs of the underbody structure and flooring concepts to the FTR for approval IAW CDRL A005. The final designs shall include the following: finite element analysis; full system and subsystem or component assembly; mass properties; material specifications; tolerances; manufacturing processes and details; fastener details; weld details; and quality assurance checks.

Work performed per C.3.1 through C.3.7 above shall use computer software format and version(s) that are compatible with those used by the Government, MicrosoftOffice Version 7.0 or earlier, Adobe version 10, and Pro-E version 5.

C.4. Period of Performance

C.4.1 The base period of performance shall be six (6) months from the date of award of Task Order 0007 with three option periods. The options periods of performance are as follows:

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Option 1 - seven (7) months after the date of option exercise

Option 2 - five (5) months after the date of option exercise

Option 3 - three (3) months after the date of option exercise

C.5. Meetings

C.5.1 Start of Work Meeting: The Contractor shall host the Start of Work meeting and the duration shall not exceed 4 hours. The time, attendees, agenda and action items for the Start of Work Meeting shall be mutually agreed on by the FTR and Contractor when the contract is awarded. The Start of Work Meeting shall be scheduled no later than forty (40) business days from the date of award of Task Order 0007.

C.5.2 Concept Review Meeting: The Concept Review meeting shall be held via teleconference and web-conference. The time, attendees, agenda and action items for the Concept Review Meeting shall be mutually agreed upon by the FTR and Contractor five (5) business days before the meeting. The Concept Review Meeting shall be scheduled no later than forty-five (45) business days from the date of award of Task Order 0007. If Option 1 is exercised, a Concept Review Meeting shall be scheduled no later than seventy-five (75) business days after the award of Option 1.

C.6. Deliverables

C.6.1 Progress, Status and Management Report: The Contractor shall deliver weekly Situation Reports (SITREP) electronically to the FTR IAW CDRL A001 beginning no later than 7 days after Start of Work Meeting. Each SITREP shall include the following: current accomplishments; events to be completed; and associated timelines. The Contractor shall address the technical performance related to blast impulse reduction of the concept; schedule and budget information since the previously submitted SITREP.

C.6.2 Design Review Presentation: The Contractor shall deliver the Design Review Presentation five (5) business days prior to the scheduled Concept Review Meeting IAW CDRL A002. The Contractor shall deliver a final Design Review Presentation no later than five (5) days after the scheduled Review Meeting to include all changes discussed during the meeting.

C.6.3 Meeting Minutes: The Contractor shall prepare Meeting Minutes IAW CDRL A003. The Contractor shall deliver Meeting Minutes electronically to the FTR no later than five (5) calendar days after the Start of Work Meeting and Review Meeting.

C.6.4 Scientific and Technical Report: The Contractor shall deliver a draft Scientific and Technical Report no later than five (5) months from the date of award of Task Order 0007 electronically IAW CDRL A004. The FTR will provide comments within fifteen (15) calendar days of draft submittal. The Contractor shall submit the final Scientific and Technical Report to the FTR no later than fifteen (15) calendar days after receipt of the draft report with comments.

C.6.4.1 If Option 1 is exercised by the Contracting Officer, the Contractor shall deliver a Draft Scientific and Technical Report for option 1 IAW paragraph C.6.4 immediately above, no later than six (6) months after Option 1 exercise date. The FTR will provide comments within fifteen (15) calendar days of draft submittal. The Contractor shall submit the final Scientific and Technical Report to the FTR no later than fifteen (15) calendar days after receipt of the draft report with comments.

C.6.4.2. If Option 2 is exercised by the Contracting Officer, the Contractor shall deliver a draft addendum to the final report delivered per the base performance period, Section C.3.3, no later than four (4) months after the Option 2 exercise date. The FTR will provide comments within fifteen (15) calendar days of the draft addendum submittal. The Contractor shall submit the final addendum Scientific and Technical Report to the FTR no later than fifteen (15) calendar days after receipt of the addendum report with comments.

C.6.4.3. If Option 3 is exercised by the Contracting Officer, the Contractor shall deliver a draft addendum to the final report provided per Option 1, Section C.7.1, no later than two (2) months after the Option 3 exercise date. The FTR will provide comments within fifteen (15) calendar days of the draft addendum submittal. The Contractor shall submit the final addendum Scientific and Technical Report to the FTR no later than fifteen (15) calendar days after receipt of the addendum report with comments.

C.6.5 Model and Drawing Data:

C.6.5.1 The Contractor shall deliver the draft designs, drawings and models to the FTR no later than five (5) business days before the Review Meeting. The Concept Review Meeting shall take place no later than forty five (45) business days from the date of award of Task Order 0007.

C.6.5.2 The Contractor shall deliver the final designs, drawing and model of the underbody structure and flooring concepts for blast impulse reduction to the FTR no later than five (5) business days after the Concept Final Approval. The Contractor shall request the Concept Designs Final Approval from the FTR no later than ninety (90) business days from the date of award of Task Order 0007.

C.6.5.3 The Contractor shall deliver detailed designs CAD models to the FTR no later than ninety (90) days from the date of award of Task Order 0007. Model and Drawing Data deliverables are IAW CDRL A005.

C.6.6 Bill of Materials (BOM): The Contractor shall provide a BOM for each of the underbody structure and flooring concept designs for blast impulse reduction which includes all assemblies and sub-assemblies with quantities and material properties (to include thickness) for the system IAW CDRL A006.

C.7. Options

C.7.1 If Option 1 is exercised by the Contracting Officer, the Contractor shall develop and provide detailed designs for an additional two vehicle underbody and two flooring sub-systems that are being researched by TARDEC (over and above those provided per C.3.3 above), using the same requirements identified in C.3.3 above. The Contractor shall provide detailed designs of these two additional underbody structures and two additional flooring concepts for blast impulse reduction from basic concept sketches provided by the FTR IAW Section C.3 and C.4. If Option 1 is exercised the Contractor shall submit all deliverables IAW Section C.6.

C.7.2 If Option 2 is exercised by the Contracting Officer, the Contractor shall fabricate prototypes of the detailed designs for the two vehicle underbody and two flooring sub-system concepts that were designed per C.3.3 above. Each prototype will be less than full size, as follows: The flooring sub-system prototypes shall be 3 feet by 3 feet plus or minus 2 inches and the underbody concept prototypes shall be 55 inches wide by 67 inches long plus or minus 2 inches. Unless otherwise recommended by the Contractor in its report per CDRL A007, and approved by the COR, the contractor shall fabricate the prototypes using A36 Mild Steel. The hull plate for the underbody fixture will be AL5083 (Aluminum) as listed in section C.3.4.

(a) The contractor shall fabricate and deliver two (2) of each of the two (2) underbody concepts per Section C.3.3 for a total of 4 assets.

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(b) The contractor shall fabricate and deliver three (3) of each of the two (2) flooring concepts per Section C.3.3 for a total of 6 assets.

(c) The contractor shall ship two (2) of each of the two (2) flooring concepts per C.3.3 to Nevada Automotive Test Center in Silver Springs, NV. One (1) of each of the two (2) flooring concepts per C.3.3 will be shipped to TARDEC in Warren, MI.

(d) The contractor shall ship two (2) of each of the two (2) underbody concepts per C.3.3 to Nevada Automotive Test Center in Silver Springs, NV.

For both C.7.2(a) and (b), fabrication shall be completed seventy-five (75) days from Option 2 award date. The Contractor shall deliver a report which documents any deviations from the drawings and manufacturing/assembly processes developed in the Base Contract IAW CDRL A007 no later than five (5) business days after fabrication is complete. The report shall discuss why the deviation was needed, identify all part numbers affected by the change, provide new drawings and models updated to reflect all deviations, and identify any changes to manufacturing or assembly processes.

C.7.3 If Option 3 is exercised by the Contracting Officer, the Contractor shall fabricate prototypes of the detailed designs for two vehicle underbody and two flooring sub-system concepts that were designed per Option 1 (C.7.1 above). Each prototype will be less than full size, as follows: The flooring sub-systems are 3 foot by 3 foot plus or minus 2 inches and the underbody concepts are 55 inches wide by 67 inches long plus or minus 2 inches. Unless otherwise specified by the COR, the contractor shall fabricate the prototypes using A36 Mild Steel. The hull plate for the underbody fixture will be AL5083 (Aluminum) as listed in section C.3.4.

(a) The contractor shall fabricate and deliver two (2) of each of the two (2) underbody concepts per Section C.7.1 for a total of 4 assets. The contractor shall fabricate and deliver three (3) of each of the two (2) flooring concepts per Section C.7.1 for a total of 6 assets.

(b) The contractor shall ship two (2) of each of the two (2) flooring concepts per C.3.3 to Nevada Automotive Test Center in Silver Springs, NV. One (1) of each of the two (2) flooring concepts per C.3.3 will be shipped to TARDEC in Warren, MI.

(c) The contractor shall ship two (2) of each of the two (2) underbody concepts per C.3.3 to Nevada Automotive Test Center in Silver Springs, NV.

For both C.7.3(a) and (b), fabrication shall be completed forty five (45) days from the Option 3 exercise date. The Contractor shall deliver a report which documents any deviations from the drawings and manufacturing/assembly processes developed in the Option 3 Contract IAW CDRL A007 no later than five (5) business days after fabrication is complete. The report shall discuss why the deviation was needed, identify all part numbers affected by the change, provide new drawings and models, and identify any changes to manufacturing or assembly processes.

C.8. Government Furnished Information (GFI)

C.8.1 The Contractor will be provided with concept sketches for each underbody structure and flooring concept, which are government furnished information (GFI). The contractor shall handle these documents in accordance with the distribution statements and export control warnings contained on each such document.

C.9. Security

C.9.1 Security Classification Requirement for individuals accomplishing this SOW is UNCLASSIFIED.

C.9.2 All information or data developed under this effort belongs to and is the property of the U.S. Government and shall be marked and handled as For Official Use Only (FOUO).

C.9.3 The Contractor shall not release any information or data to third parties without the prior express written approval of the Contracting Officer.

*** END OF NARRATIVE C0001 ***

CONTINUATION SHEET

Reference No. of Document Being Continued

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PIIN/SIIN W56HZV-09-D-0156/0007 **MOD/AMD** 01

Name of Offeror or Contractor: WALTONEN ENGINEERING INC.

SECTION G - CONTRACT ADMINISTRATION DATA

LINE	PRON/ AMS CD/ MIPR/ <u>ITEM</u>	OBLG <u>STAT</u>	JO NO/ <u>ACCT ASSIGN</u>	<u>ACRN</u>	<u>PRIOR AMOUNT</u>	<u>INCREASE/ DECREASE</u>	<u>CUMULATIVE AMOUNT</u>
0002	R33DB002R3 622601C05	2	R.0005686.2.3	AA \$	0.00 \$	246,701.92 \$	246,701.92
0003	R33DB120R3 633005221	2	R.0005716.2.10	AB \$	0.00 \$	145,264.97 \$	145,264.97
NET CHANGE						\$ 391,966.89	

<u>ACRN</u>	<u>ACCOUNTING CLASSIFICATION</u>					<u>INCREASE/ DECREASE</u>
AA	021 201320142040	A60FL 622601C05RK02	2550 L033684280 R.0005686.2.3			021001 \$ 246,701.92
AB	021 201320142040	A60FL 633005221RK02	2550 L033684365 R.0005716.2.10			021001 \$ 145,264.97
NET CHANGE						\$ 391,966.89

	<u>PRIOR AMOUNT OF AWARD</u>	<u>INCREASE/DECREASE AMOUNT</u>	<u>CUMULATIVE OBLIG AMT</u>
NET CHANGE FOR AWARD:	\$ 243,835.87	\$ 391,966.89	\$ 635,802.76

LINE	<u>ACRN</u>	<u>EDI/SFIS ACCOUNTING CLASSIFICATION</u>		
0002	AA	021 201320142040	A60FL 622601C05RK02	2550 L033684280 R.0005686.2.3 021001
0003	AB	021 201320142040	A60FL 633005221RK02	2550 L033684365 R.0005716.2.10 021001