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	PIIN/SIIN DAAE20-98-G-0004/0030      MOD/AMD 07	

**Name of Offeror or Contractor:** PEI ELECTRONICS INC

SECTION A - SUPPLEMENTAL INFORMATION

1. This modification is issued for Systems Technical Support (STS) for the Direct Support Electrical Systems Test Set (DSESTS) on a Cost Plus Fixed Fee Basis. In accordance with the methodology used in negotiated agreement reached on 22 September, an additional sub Contract Line Item ( sub CLIN) is added in order to accomodate additional tasks that fall within the scope of the BRADLEY Common CLIN 0006AA specified as follows:

- a. CLIN 0006AB - Program authority to meet program requirements on DSESTS BRADS Interface Device (BID).
- b. Allocation of CLIN fee including the additional tasks follows the methodology established by the original award of the BRADLEY is specified below:

STS Year One

CLIN	NOMENCLATURE	COST	COM	FEE	CLIN TOTAL
0006AB	BRADS Interface Device	\$2,075,775.96	\$8,647.98	\$184,744.06	\$2,269,168

2. Based on the specified actions, the value of this Delivery Order is increased by \$2,269,168.00 from \$12,689,017.45 to \$14,958,185.45.

All other terms and conditions remain the same.

3. The following Scope Of Work will govern contractor tasks associated wit CLIN 0006AB BRADS Interface Device:

\*\*\* END OF NARRATIVE A 009 \*\*\*  
 PEI TASK ORDER STATEMENT OF WORK  
 FOR  
 BRADS INTREFACE DEVICE (BID)

1.0 Scope

The scope of this task order is to design and develop a replacement unit for the Test Adapter Vehicle (TAV). The replacement unit shall be a functional replacement for the existing TAV.

2.0 Background

The TAV is used to support on vehicle diagnostics for the Bradley fleet of vehicles. It augments the Soldier's Portable On-system Repair Tool (SPORT) by providing test instrumentation and communications interfaces required to fault diagnose to a single line replaceable unit (LRU). It also provides the capability to perform the Internal Combustion Engine (ICE) tests. The reliability of the TAV in support of the Bradley A3 BRADS development has proven to be unacceptable.

3.0 General

This task order covers the design and development of the BRADS Interface Device (BID). The BID in conjunction with the SPORT shall be capable of performing all BRADS A3, and BRADS Legacy tests. The technical specification for the BID will be reviewed at the Systems Requirement Review (SRR) per the master schedule.

3.1 Cable Utilization

The BID shall make use of existing cables, which are currently fielded with TAV.

3.2 Re-programmable

The BID shall have the capability of being re-programmed in the field using standard BRADLEY re-programming techniques and equipment.

3.3 ICE Tests

The contractor shall have design responsibility for Bradley ICE Testing.

3.4 Operating Environment

The BID shall be designed to operate in MIL-PERF-28800 environments for class 2 test equipment with derivations approved at

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SRR.

## 4.0 Program Milestones

## 4.1 Start of Work Meeting.

The Start of Work Meeting shall be hosted by PEI after contract award. The Master Program Schedule and approach shall be presented at the Start of Work Meeting.

## 4.2 System Requirement Review

System Requirement Review (SRR) shall be convened in accordance with the Master Program Schedule. The SRR shall cover hardware and software system requirements.

## 4.3 Preliminary Design Review.

The Preliminary Design Review (PDR) shall be convened in accordance with the Master Program Schedule. The PDR shall cover hardware and software preliminary design. If required these reviews may be independent.

## 4.4 Critical Design Review.

The Critical Design Review (CDR) shall be convened in accordance with the Master Program Schedule. The CDR shall cover hardware and software detailed design. If required these reviews may be independent.

## 4.5 BID Acceptance Test.

The BID Acceptance Test shall be performed in accordance with the Acceptance Test Plan (ATP) and the Master Program Schedule. The Acceptance Test shall demonstrate the ability of the BID to successfully execute test cases as defined in the ATP.

## 4.6 BID Qualification Test.

The BID Qualification Test shall be performed in accordance with the Qualification Test Plan (QTP) and the Master Program Schedule. The Qualification Test shall demonstrate the ability of the BID hardware and software to operate in the environments defined in the QTP.

## 5.0 Logistics

Technical manuals as required for BID maintenance shall be developed. Provisioning data shall also be provided.

## 5.1 Technical Manuals.

Technical manuals shall be developed which detail the procedures for operation and maintenance of the new equipment introduced.

## 5.2 LSA.

LSA data shall be prepared for the new equipment introduced. Maintenance tasks shall be identified and documented for the new equipment introduced.

## 5.3 Training

Bradley training materials shall be updated for the new equipment introduced.

## 6.0 Deliverables

## 6.1 Master Program Schedule.

The Master Program Schedule shall be prepared and presented at the Start of Work Meeting. The schedule shall have as a minimum the milestones identified in this task order. It is preferred that the schedule shall also include top level detail of the development tasks.

## 6.2 BID Hardware

There shall be four (4) sets of BID hardware developed under this task order. Deliveries shall be in accordance with the Master Program Schedule.

## 6.3 Spares.

One (1) set of spares shall be developed under this task order. The spares shall remain at PEI until such time that they are required to support the systems fielded under this task order.

## 6.4 Acceptance Test Plan (ATP)

The ATP shall be developed and delivered in accordance with the Master Program Schedule.

## 6.5 Qualification Test Plan (QTP)

The QTP shall be developed and delivered in accordance with the Master Program Schedule.

## 6.6 Technical Data Package (TDP).

The TDP will be developed to every extent possible to allow the BID to be competitively procured.

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\*\*\* END OF NARRATIVE A 010 \*\*\*

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Name of Offeror or Contractor: PEI ELECTRONICS INC

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0006AB	<p>SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS</p> <p><u>SERVICES LINE ITEM</u></p> <p>NOUN: BRADS INTERFACE DEVICE (BID)            SECURITY CLASS: Unclassified            PRON: B013AD08D2 PRON AMD: 01 ACRN: AK            AMS CD: 538006</p> <p><u>Inspection and Acceptance</u>            INSPECTION: Origin ACCEPTANCE: Origin</p> <p><u>Deliveries or Performance</u>            DLVR SCH PERF COMPL  <u>REL CD</u> <u>QUANTITY</u> <u>DATE</u>            001 0 30-MAR-2002</p> <p style="text-align: right;">\$ 2,269,168.00</p>				<p>\$ 2,269,168.00</p>

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SECTION G - CONTRACT ADMINISTRATION DATA

LINE ITEM	PRON/ AMS CD	OBLG STAT/ ACRN JOB ORD NO	PRIOR AMOUNT	INCREASE/DECREASE AMOUNT	CUMULATIVE AMOUNT
0006AB	B013AD08D2 538006	AK 1 1B03AD	0.00 \$	2,269,168.00 \$	2,269,168.00
			NET CHANGE \$	2,269,168.00	

SERVICE NAME	NET CHANGE BY ACRN	ACCOUNTING CLASSIFICATION	ACCOUNTING STATION	INCREASE/DECREASE AMOUNT
Army	AK	21 12035000016X6X18P5380062516 S01021	W31G3H	\$ 2,269,168.00
				NET CHANGE \$ 2,269,168.00

	PRIOR AMOUNT OF AWARD	INCREASE/DECREASE AMOUNT	CUMULATIVE OBLIG AMT
NET CHANGE FOR AWARD:	\$ 13,439,017.45	\$ 2,269,168.00	\$ 15,708,185.45