

**ORDER FOR SUPPLIES OR SERVICES**

<b>1. CONTRACT PURCH ORDER/AGREEMENT NO.</b> W56HZV-08-D-0169				<b>2. DELIVERY ORDER/CALL NO.</b> 0055		<b>3. DATE OF ORDER/CALL (YYYYMMDD)</b> 2014SEP09		<b>4. REQUISITION/PURCH REQUEST NO.</b> SEE SCHEDULE		<b>5. PRIORITY</b> DOA4					
<b>6. ISSUED BY</b> U.S. ARMY CONTRACTING COMMAND ROXANNE L. DUNN WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL  EMAIL: ROXANNE.L.DUNN.CIV@MAIL.MIL				<b>CODE</b> W56HZV		<b>7. ADMINISTERED BY (if other than 6)</b> DCMA CHICAGO 1523 WEST CENTRAL ROAD BLDG 203 ARLINGTON HEIGHTS IL 60005-2451				<b>CODE</b> S1403A					
<b>9. CONTRACTOR</b>  CATERPILLAR INC. GOVERNMENTAL AND DEFENSE PRODUCTS NAME AND ADDRESS 14009 OLD GALENA RD TC-A MOSSVILLE, IL 61552-7547				<b>CODE</b> 11083		<b>FACILITY</b>		<b>10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD)</b> SEE SCHEDULE		<b>8. DELIVERY FOB</b> <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)					
<b>14. SHIP TO</b> SEE SCHEDULE				<b>CODE</b>		<b>15. PAYMENT WILL BE MADE BY</b> DFAS-COLUMBUS CENTER DFAS-CO WEST ENTITLEMENT OPERATIONS P.O. BOX 182381 COLUMBUS, OH 43218-2381				<b>CODE</b> HQ0339					
<b>11. X IF BUSINESS IS</b> <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMAN-OWNED				<b>13. MAIL INVOICES TO THE ADDRESS IN BLOCK</b> See Block 15											
<b>16. TYPE OF ORDER</b> DELIVERY/ CALL <input checked="" type="checkbox"/> PURCHASE				THIS DELIVERY ORDER IS ISSUED ON ANOTHER GOVERNMENT AGENCY OR IN ACCORDANCE WITH AND SUBJECT TO TERMS AND CONDITIONS OF ABOVE NUMBERED CONTRACT. Reference your <input type="checkbox"/> Oral <input type="checkbox"/> Written Quotation _____, Dated _____. _____ furnish the following on terms specified herein. ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.											
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE				DATE SIGNED (YYYYMMDD)			
<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 2															
<b>17. ACCOUNTING AND APPROPRIATION DATA/LOCAL USE</b> SEE CONTRACT ADMINISTRATION DATA															
<b>18. ITEM NO.</b>		<b>19. SCHEDULE OF SUPPLIES/SERVICE</b>				<b>20. QUANTITY ORDERED/ACCEPTED*</b>		<b>21. UNIT</b>	<b>22. UNIT PRICE</b>		<b>23. AMOUNT</b>				
		SEE SCHEDULE													
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.				<b>24. UNITED STATES OF AMERICA</b> TRISH PIERCE /SIGNED/ 2014SEP09 PATRICIA.PIERCE3.CIV@MAIL.MIL (586)282-8128 BY: CONTRACTING/ORDERING OFFICER				<b>25. TOTAL</b>		\$977,251.39		<b>26. DIFFERENCES</b>			
<b>27a. QUANTITY IN COLUMN 20 HAS BEEN</b> <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO CONTRACT EXCEPT AS NOTED _____															
<b>b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE</b>						<b>c. DATE (YYYYMMDD)</b>		<b>d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE</b>							
<b>e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE</b>						<b>28. SHIP. NO.</b>		<b>29. D.O. VOUCHER NO.</b>		<b>30. INITIALS</b>					
<b>f. TELEPHONE NUMBER</b>			<b>g. E-MAIL ADDRESS</b>			<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		<b>32. PAID BY</b>		<b>33. AMOUNT VERIFIED CORRECT FOR</b>					
<b>36. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT.</b>						<b>31. PAYMENT</b> <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		<b>34. CHECK NUMBER</b>		<b>35. BILL OF LADING NO.</b>					
<b>a. DATE (YYYYMMDD)</b>		<b>b. SIGNATURE AND TITLE OF CERTIFYING OFFICER</b>				<b>37. RECEIVED AT</b>		<b>38. RECEIVED BY (Print)</b>		<b>39. DATE RECEIVED (YYYYMMDD)</b>		<b>40. TOTAL CONTAINERS</b>	<b>41. S/R ACCOUNT NUMBER</b>	<b>42. S/R VOUCHER NO.</b>	

**CONTINUATION SHEET****Reference No. of Document Being Continued****Page 2 of 9****PIIN/SIIN** W56HZV-08-D-0169/0055**MOD/AMD****Name of Offeror or Contractor:** CATERPILLAR INC.

## SUPPLEMENTAL INFORMATION

Buyer Name: ROXANNE L. DUNN

Buyer Office Symbol/Telephone Number: CCTA-HBF-C/(586)282-4823

Type of Contract: Firm Fixed Price

Kind of Contract: System Acquisition Contracts

Type of Business: Large Business Performing in U.S.

Surveillance Criticality Designator: C

Weapon System: Tractor, Full Tracked

\*\*\* End of Narrative A0000 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued  
 PIIN/SIIN W56HZV-08-D-0169/0055 MOD/AMD

Name of Offeror or Contractor: CATERPILLAR INC.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT																		
0740	<p>SUPPLIES OR SERVICES AND PRICES/COSTS</p> <p><u>Production Quantity</u></p> <p>NSN: 9999-99-999-9999                      COMMODITY NAME: FAMILY OF DOZER TRAINING AIDS                      PSC: 2815                      CLIN CONTRACT TYPE:                      Firm Fixed Price</p> <p>PRON: P146F1462T PRON AMD: 01 ACRN: AA</p> <p><u>Packaging and Marking</u>                      INTERMEDIATE PACK: 1</p> <p><u>Inspection and Acceptance</u>                      INSPECTION: Origin ACCEPTANCE: Origin</p> <p><u>Deliveries or Performance</u>                      DOC SUPPL  <table border="0"> <tr> <td><u>REL CD</u></td> <td><u>MILSTRIP</u></td> <td><u>ADDR</u></td> <td><u>SIG CD</u></td> <td><u>MARK FOR</u></td> <td><u>TP CD</u></td> </tr> <tr> <td>001</td> <td>W81TOH4234F146</td> <td>Y00000</td> <td>M</td> <td></td> <td>2</td> </tr> </table> <table border="0"> <tr> <td><u>DEL REL CD</u></td> <td><u>QUANTITY</u></td> <td><u>DEL DATE</u></td> </tr> <tr> <td>001</td> <td>1</td> <td>27-FEB-2015</td> </tr> </table> <p>FOB POINT: Destination</p> <p>SHIP TO:                      (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE                      (SHIP-TO) WILL BE FURNISHED PRIOR                      TO THE SCHEDULED DELIVERY DATE FOR                      ITEMS REQUIRED UNDER THIS                      REQUISITION.</p> <p><u>CONTRACT/DELIVERY ORDER NUMBER</u>                      W56HZV-08-D-0169/0055</p> </p>	<u>REL CD</u>	<u>MILSTRIP</u>	<u>ADDR</u>	<u>SIG CD</u>	<u>MARK FOR</u>	<u>TP CD</u>	001	W81TOH4234F146	Y00000	M		2	<u>DEL REL CD</u>	<u>QUANTITY</u>	<u>DEL DATE</u>	001	1	27-FEB-2015	1	KT	\$ 977,251.39000	\$ 977,251.39
<u>REL CD</u>	<u>MILSTRIP</u>	<u>ADDR</u>	<u>SIG CD</u>	<u>MARK FOR</u>	<u>TP CD</u>																		
001	W81TOH4234F146	Y00000	M		2																		
<u>DEL REL CD</u>	<u>QUANTITY</u>	<u>DEL DATE</u>																					
001	1	27-FEB-2015																					

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MOD/AMD

**Name of Offeror or Contractor:** CATERPILLAR INC.

## DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

T-5/D6K Light Dozer & T-9/D7RII Medium Dozer TRAINING AIDSSCOPE OF WORK

## C.1 PURPOSE

The Product Manager, Combat Engineer and Material Handling Equipment (PM CE/MHE) has a requirement for Motorized Cut-Away Visual Training Aids, Cut-Away Visual Training Aids, and Disassembly and Assembly Engine Training Aids to use for institutional training at Fort Leonard Wood, MO.

C.1.2 Disassembly and Assembly Engine Training Aids will be used to train maintenance personnel on disassembly and assembly procedures and troubleshooting.

C.1.3 The Cut-Away Visual Training Aids will be placed at the Construction Engineer maintenance training facility on Fort Leonard Wood to allow improved knowledge and skills for maintainers learning to troubleshoot and repair the Medium Dozer.

C.1.4 The Motorized Cut-Away Visual Training Aids will allow U.S. Army maintenance instructors to show students the inner workings and promote a better understanding of the operating and repair processes.

C.1.5 Below are the training aids with required quantities:

PART NUMBER	DESCRIPTION	QTY
N/A	D7RII 3176 Engine on Stationary Stand	10
N/A	Start Cart	5
N/A	Battery Charger and Cables	2
N/A	Commissioning, Delivery and Training	1
N/A	D7R Planetary Transmission -Motorized	2
N/A	D6K Variable Displacement Pump	2
N/A	D6K Variable Displacement Motor	2
N/A	D7RII Final Drive and Brake - Motorized	1
N/A	D7RII 3176 Engine ECM	2
N/A	D7RII 3176 Engine - Fuel Injector	3
N/A	D7RII 3176 Engine - Turbo With Wastegate	1
N/A	D7RII Torque Converter/ Divider	2
N/A	D7RII Engine Assembly/ Disassembly Tools	10
N/A	D7RII Engine Assembly/ Disassembly Parts (Consisting of below)	1
4N1059	Starter Gasket	50
8T-9655	Plate, ECM Resilient Mount	400
1N9372	Inlet Elbow To Aftercooler	50
8H-1607	Turbo to Inlet Elbow O-Ring	100
7W-5164	Aftercooler to Cyl Head Gasket	150
W3679	Aftercooler Water Tube Adapter Gasket	100
SM5860	Aftercooler Water Tube Adapter O-Ring	50
6L1648	Aftercooler Water Tube Adapter O-Ring	100

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PART NUMBER	DESCRIPTION	QTY
188-6126	Oil Return Tube Gasket	50
1142687	Oil Return Tube O-Ring	50
188-6126	Exhaust Manifold to Turbo Gasket	50
109-5315	Exhaust Manifold to Cyl Head	300
6N0009	Seal Ring, Metal	50
6N0992	Segment, Nozzle	50
129-2181	Water Pump Gasket	50
131-4164	Thermostat Housing Gasket	50
3S-9643	Thermostat Lip Seal	100
1P-0436	Hand Primer Pump Gasket	50
107-5769	Transfer Pump O-Ring	50
5P-5678	Valve Cover Gasket	150
1095309	Valve Cover Body Gasket	50
187-3307	Cylinder Head Gasket	50
4G-4972	O-Ring	300
152-3001	Injector Bolt (package Qt 10)	40

C.2.Reserved

C.3 TASKS

C.3.1 Disassembly and Assembly Engine Training Aids

C.3.1.1 D7R3176 Engine on Stationary Stand

Caterpillar shall deliver ten D7RII 3176 diesel engine training aids. Each engine shall include the following:

- All hang-on components and parts (fully dressed)
- Engine control management system
- Radiator
- Intake air cleaner system
- Muffler system
- All necessary fluids
- Rigid stationary platform to hold engine during operation

C.3.1.2 Start Cart

Caterpillar shall deliver five D7RII 3176 diesel engine start carts. Each start cart shall include the following:

- Control panel
- Work station on wheels and casters
- Battery pack
- Integrated fuel tank
- Fuel lines for connection to D7RII 3176 diesel engine
- Battery cable for connection to D7RII 3176 diesel engine
- Engine Control Module (ECM) cable for connection to D7RII 3176 diesel engine

C.3.1.3 Battery Charger and Cables

Caterpillar shall provide two battery chargers. Each battery charger shall include the following:

- Battery charger
- Battery cables

C.3.1.4 Disassembly and Assembly Special Tools

Caterpillar shall provide ten sets of special tools necessary for the disassembly and assembly of the D7RII 3176 diesel engine.

Each special tool set shall include the following:

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25 Eye Bolts, Part #1P-7407  
1 Bracket, Link Part #4393939  
1 Link, Part # 4393938  
1 Chain Fastener, Part #4393941  
1 Engine Turning Tool, Part #5P-7305  
1 Engine Turning Tool Mount, Part #5P-7306  
1 Aligning Tool Rotate Gear, Part #208-0888  
1 Lifting Link, Part #4393940  
1 Electrical Removal Tool, Part #147-6456  
1 Timing Pin, Part #136-4632

**C.3.1.5 3176 Engine Disassembly / Assembly Parts**

Caterpillar shall provide 50 sets of gaskets and parts necessary for the disassembly and assembly of the D7RII 3176 diesel engine.

Each set shall include the following:

1 Starter Gasket, 5330-01-332-4090  
8 Plate, ECM Resilient Mount, 5340-01-460-0266  
1 Inlet Elbow To Aftercooler, 5330-01-318-4585  
2 Turbo to Inlet Elbow O-Ring, 5331-00-582-7084  
3 Aftercooler to Cyl Head Gasket, 5330-01-480-9090  
2 Aftercooler Water Tube Adapter Gasket, 5330-01-224-3701  
1 Aftercooler Water Tube Adapter O-Ring, 5331-00-074-3776  
2 Aftercooler Water Tube Adapter O-Ring, 5331-00-433-3778  
1 Oil Return Tube Gasket, 5330-01-533-3192  
1 Oil Return Tube O-Ring, 5331-01-417-6179  
1 Exhaust Manifold to Turbo Gasket, 5330-01-533-3192  
6 Exhaust Manifold to Cyl Head, 5330-01-479-4600  
1 Seal Ring, Metal, 5330-01-094-1895  
1 Segment, Nozzle, 2815-01-518-2662  
1 Water Pump Gasket, 5330-01-480-9073  
1 Thermostat Housing Gasket, 5330-01-495-5232  
2 Thermostat Lip Seal, 5330-00-246-6380  
1 Hand Primer Pump Gasket, 5330-01-295-3525  
1 Transfer Pump O-Ring, 5330-01-481-0971  
3 Valve Cover Gasket, 5330-01-069-5128  
1 Valve Cover Body Gasket, 5330-01-466-9008  
1 Cylinder Head Gasket, 5330-01-492-4399  
6 O-Ring, 5331-01-522-0142

**C.3.2 Motorized Cut-Away Visual Training Aids****C.3.2.1 D7RII Planetary Transmission**

Caterpillar shall deliver two D7RII planetary transmission

Motorized Cut-Away training aids. Each planetary transmission training aid shall include the following:

Control panel  
Functioning motorized transmission Cross  
sections of key areas removed Rigid  
platform to hold transmission

**C.3.2.2 D7RII Final Drive and Brake Assembly**

Caterpillar shall deliver one D7RII final drive and brake assembly

Motorized Cut-Away training aid. The final drive and brake assembly training aid shall include the following:

Control panel  
Functioning motorized final drive and brake assembly  
Cross sections of key areas removed

**Name of Offeror or Contractor:** CATERPILLAR INC.

Rigid platform to hold final drive and brake assembly

## C.3.3 Cut-Away Visual Training Aids

## C.3.3.1 D6K Variable Displacement Pump

Caterpillar shall deliver two D6K Cut Away variable displacement pump-training aids. Each displacement pump training aid shall include the following:

Non-functioning variable displacement pump  
Cross sections of key areas removed  
Rigid platform to hold pump

## C.3.3.2 D6K Variable Displacement Motor

Caterpillar shall deliver two D6K Cut Away variable displacement motor training aids. Each displacement motor training aid shall include the following:

Non-functioning variable displacement motor  
Cross sections of key areas removed  
Rigid platform to hold motor

## C.3.3.3 D7RII 3176 Engine ECM

Caterpillar shall deliver two D7RII 3176 engine Cut-Away ECM training aids. Each ECM training aid shall include the following:

Non-functioning ECM  
Cross sections of key areas removed

## C.3.3.4 D7RII 3176 Engine Fuel Injector

Caterpillar shall deliver three D7RII 3176 engine Cut-Away fuel injector-training aids. Each fuel injector training aid shall include the following:

Non-functioning fuel injector  
Cross sections of key areas removed

## C.3.3.5 D7RII 3176 Engine Turbo with Wastegate

Caterpillar shall deliver one D7RII 3176 engine Cut-Away turbo with wastegate training aid. The turbo with wastegate training aid shall include the following:

Non-functioning turbo wastegate  
Cross sections of key areas removed  
Rigid platform to hold turbo wastegate

## C.3.3.6 D7RII Torque Converter/Divider

Caterpillar shall deliver two D7RII Cut-Away torque converter/divider training aids. Each torque converter/divider training aid shall include the following:

Non-functioning torque converter/divider  
Cross sections of key areas removed  
Rigid platform to hold torque converter/divider

C.3.4 Caterpillar shall deliver all training aids to Fort Leonard Wood, MO.

C.3.5 Caterpillar shall install and set-up all training aids at Fort Leonard Wood, MO.

C.3.6 Caterpillar shall provide one training session not to exceed five days/four nights on the proper care and operation for all training aids at Ft. Leonard wood, MO.

<b>CONTINUATION SHEET</b>	<b>Reference No. of Document Being Continued</b> <b>PIIN/SIIN</b> W56HZV-08-D-0169/0055 <b>MOD/AMD</b>	<b>Page 8 of 9</b>
<b>Name of Offeror or Contractor:</b> CATERPILLAR INC.		

\*\*\* END OF NARRATIVE C0001 \*\*\*

**CONTINUATION SHEET**

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**PIIN/SIIN** W56HZV-08-D-0169/0055 **MOD/AMD**

**Name of Offeror or Contractor:** CATERPILLAR INC.

CONTRACT ADMINISTRATION DATA

LINE	PRON/ AMS CD/ MIPR/ <u>GFEB</u> <u>ATA</u>	OBLG <u>STAT</u>	JO NO/ <u>ACCT ASSIGN</u>	<u>ACRN</u>	OBLIGATED <u>AMOUNT</u>
0740	P146F1462T	2	A.0015252.1.5.1.2	AA	\$ 977,251.39
TOTAL					\$ 977,251.39

<u>ACRN</u>	<u>ACCOUNTING CLASSIFICATION</u>	OBLIGATED <u>AMOUNT</u>
AA	021 201420162035 A5XDO M06100ARF03 3101 L037051164 A.0015252.1.5.1.2	021001 \$ 977,251.39
TOTAL		\$ 977,251.39

LINE	<u>ACRN</u>	<u>EDI/SFIS ACCOUNTING CLASSIFICATION</u>	OBLIGATED <u>AMOUNT</u>
0740	AA	021 201420162035 A5XDO M06100ARF03 3101 L037051164 A.0015252.1.5.1.2	021001