



DEPARTMENT OF THE ARMY  
UNITED STATES ARMY TANK - AUTOMOTIVE AND ARMAMENTS COMMAND  
1 Rock Island Arsenal  
ROCK ISLAND, ILLINOIS 61298-7630

TO SHERI Gino

March 27, 2003

REPLY TO  
ATTENTION OF

Crew Served Weapons Contracting Team

SUBJECT: Contract DAAE20-02-C-0092, Request for Waiver (RFW) L3S6186

Mr. Barry Brown  
LanCay Incorporated  
600 Fourth Street  
Carrollton, KY 41008

Dear Mr. Brown:

Enclosed is approved RFW L3S6186. The RFW is approved to use 1000 caliber .50 browning machine gun flash hider cones where the 5.87-.03 dimension is 5.865. This approval was based on the success of 500 round function firing tests and magnetic particle inspections.

If you can incorporate this change at no cost to the government and no change to the delivery schedule, please have an authorized representative sign the acknowledgment below. This authorization becomes your authorization to proceed with the above RFD.

Your authorized representative's signature signifies your agreement to the change and your willingness to incorporate this at no cost to the government. You will need to request a delivery schedule extension with consideration. This change is effective on the date you sign the acknowledgment.

ACKNOWLEDGMENT

SIGNATURE *Barry L Brown* DATE 3-31-03

Printed Name BARRY L BROWN Title VP

If you cannot incorporate this RFD at no cost to the government please notify the point of contact by April 10, 2003 and provide a firm cost proposal. If you plan to submit a cost proposal, do not incorporate this RFD until the contracting officer authorizes you to do so.

*Sheri -  
Thank you very much!  
Barry*

Fx

3813

CLL B

<b>REQUEST FOR DEVIATION / WAIVER</b> (See MIL-STD-480 or 481 for instructions)				<b>DATE (YYMMDD)</b> 030211		<b>Form Approved</b> OMB No. 0704-0188	
<small>Public reporting burden for this collection of information is estimated to average 2 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, sending comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Service, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503</small>						<b>PROCURING ACTIVITY NUMBER</b> L3S6186	
<b>1. ORIGINATOR NAME AND ADDRESS</b>						<b>2.</b> <input type="checkbox"/> DEVIATION <input checked="" type="checkbox"/> WAIVER <b>3.</b> <input type="checkbox"/> MINOR <input checked="" type="checkbox"/> MAJOR <input type="checkbox"/> CRITICAL	
LAN-CAY, INC. 600 FOURTH STREET CARROLLTON, KY. 41008							
<b>4. DESIGNATION FOR DEVIATION / WAIVER</b>				<b>5. BASELINE AFFECTED</b>		<b>6. OTHER SYSTEM CONFIGURATION ITEMS AFFECTED</b>	
a. MODEL/TYP CAL. 50 M2 MG		b. CAL. CODE 19200		c. SYS. SING. CAL. 50 M2MG		d. DE. WAIVER NO. WLC020092-0001	
				<input type="checkbox"/> FUNC. THOROUGH <input type="checkbox"/> ALLO. CATED		<input type="checkbox"/> YES <input type="checkbox"/> NO	
<b>7. SPECIFICATIONS AFFECTED - TEST PLAN</b>				<b>8. DRAWINGS AFFECTED</b>			
a. SYSTEM		b. ITEM		c. TEST PLAN		CASE CODE 19200 NUMBER 7162254	
<b>9. TITLE OF DEVIATION / WAIVER</b> SHORT DIMENSION				<b>9.a. WEAPON SYSTEM CODE OR DESIGNATION</b> 50 CAL. MACHINE GUN			
<b>10. CONTRACT NO. AND LINE ITEM</b> DAAE20-02-C-0092				<b>11. PROCURING CONTRACTING OFFICER</b> SHERI GROSS CODR TEL 309/782-4857			
<b>12. CONFIGURATION ITEM NOMENCLATURE</b> CONE PART OF FLASH SUPPRESSOR				<b>13. CLASSIFICATION OF DEFECT</b>			
a. CD NO		b. DEFECT NO		c. DEFECT CLASSIFICATION <input checked="" type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> CRITICAL			
<b>14. NAME OF LOWEST PART / ASSEMBLY AFFECTED</b> CONE #7162254				<b>15. PART NO. OR TYPE DESIGNATION</b> P/N 7162254			
<b>16. LOT NO.</b>				<b>17. QTY</b> 1000		<b>18. RECURRING DEVIATION / WAIVER</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
<b>19. EFFECT ON COST/PRICE</b>				<b>20. EFFECT ON DELIVERY SCHEDULE</b> 2 MONTHS SOONER			
<b>21. EFFECT ON INTEGRATED LOGISTICS SUPPORT, INTERFACE OR SOFTWARE</b>							
<b>22. DESCRIPTION OF DEVIATION / WAIVER</b> Overall length dimension short by .200--ACTUAL IS 5.665 Should be 5.87, straight part ID also short by/.200 (DERIVED DIM.)							
<b>23.</b> SEE ATTACHED SHEET							
<b>24. SERIAL NUMBER(S) AFFECTED</b>							
<b>25. SUBMITTING ACTIVITY AUTHORIZED SIGNATURE</b> <i>Anthony Brown</i>				<b>25.a. TITLE</b> VICE PRES.			
<b>26. APPROVAL / DISAPPROVAL</b>				<b>26.a. APPROVAL</b>			
a. APPROVAL		b. GOVERNMENT ACTIVITY		SIGNATURE		DATE (YYMMDD)	
<input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED							
a. APPROVAL		b. GOVERNMENT ACTIVITY		SIGNATURE		DATE (YYMMDD)	
<input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED		Ronald E. Eids Chief, CCAC Prod & Field Spt		<i>Ronald Eids</i>		00090291	

20 FEB 2003  
2-18-03

DISTRIBUTION STATEMENT A : UNLIMITED

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Line 23: Need for deviation/waiver

Flash Suppressor PN 7162254 Request for Deviation

Army drawing 7162254 because of repeated reproduction and age. Shows an incorrect dimension in location C-5, 5.87 shows as 5.67. This has now been changed by ECP 12Q2002. The unclear dimension resulted in our subcontractor making almost 1000 parts .200 of an inch too short.

These short cones, while of less length, should be as effective as the standard (in form, fit, function, strength and safety). At the thinnest wall point exiting the muzzle the short cone measures .222 while the standard cone measures .245. The bore diameter of the short cone at the thin point is .711 while the standard is smaller at .653. Because of the increased bore at the thinnest point in the short cone, pressures should be less.

To show the safety of the shorter cone, it was functionally tested by firing 500 rounds through one sample using an M2HB .50 Cal MG. No defects were noted. The suppressor was then subjected to magnetic particle inspection. No defects were found. See reports from Ramo QA attached.

Following sent to Rock Island Engineering for inspection:

- (1) Sectioned short cone
  - (1) Sectioned standard cone
  - (1) Short cone (used for the testing)
- inspection reports on firing and mag part insp