



CITY OF TORRINGTON
REQUEST FOR BID
ADDENDA #1

BID # PBA-023-050107 BODY ARMOR

Date of bid opening: **May 1, 2007** Time: **10:00AM** Location: **Room 109A, City Hall**

Dated in Torrington: **4/20/07** Purchasing Agent _____
Charlene R. Antonelli, CPPB

The Purchasing Agent is authorized to offer City based bidders that exceed the lowest bid by up to 6%, the opportunity to match the lowest bid. A City based bidder within the 6% differential who agrees to accept the amount of the lowest bid will be awarded the bid. When multiple City based bidders agree to accept the amount of the low bid then the City based bidders will be invited to submit a new bid, not to exceed the low bid. The bid will then be awarded to the lowest responsive, responsible bidder.

ADDENDA #1 ACKNOWLEDGEMENT

COMPANY NAME: _____

SIGNATURE : _____

DATE: _____

ADDENDA # 1
BID #PBA-023-050107
POLICE BODY ARMOR

- I. Bullet resistant vests shall meet current updated NIJ Level II requirements:
 - A. Must meet or exceed ballistic testing to NIJ Standard 0101.03, 0101.04 and interim 0101.05
 - 1. 357 magnum or 9mm FMJ RN @ ~1/175 fps (~mps)
 - B. Must meet or exceed stab testing to NIJ Standard 0115.00**
 - 1. Test pressure minimum of 33 Joules
 - 2. Over-test pressure penetration minimum of 50 Joules

DELETE "B" REQUIREMENT

- C. A letter from the manufacturer shall be included with the bid proposal stating *"The manufacturer certifies that this model of armor, _____, has been tested through NLECTC and has been found to comply with Type II performance for NIJ Standard-0101.04 AND INTERIM 0101.05."*
- D. Shall meet or exceed MIL-STD-662, V50 Ballistic Test for Armor. Each bidder shall submit V50 test reports for the vest offered. The V50 test shall be in accordance with MIL-STD-662F.
- E. Shall meet or exceed Federal Standard No. 751, Stitches, Seams & Stitching

F. Manufacturer shall maintain ISO 9001 certification by an accredited registrar of the Registrar Accreditation Board.

G. Manufacturer shall meet or exceed ANSI/ASQC – 09000 Quality Standard dated August 1, 1994.

ADD REQUIREMENTS "H" AND "I"

H. Level II vest must meet all special threat rounds required by the State of Connecticut and show testing by HP White or US Test labs.

I. The maximum aerial density of the proposed body armor shall be .87".

- II. Two (2) carriers and one (1) trauma plate shall be supplied for each vest
- III. Full wrap side coverage is required.
- IV. Since relative strength to weight ratio of a ballistic design is important in determining its comfort and performance characteristics, a high **Relative Performance Index** is required. Therefore the minimum RPI shall be no lower than 1931 FPS for 9mm, 124 grain FMJRN or 1986 fps for 357 mag. 158 grain FMJRN.
- V. Since low **Back Face Signature (BFS)** should result in reduced blunt force trauma injury, the BFS results of the NIJ 0101.04 certification test reports for BFS shall be no higher than 29 mm (maximum) for 9 mm, 124 grain FMJRN or 34 mm (max.) for 357 mag. 158 grain FMJRN.
- VI. On site (at TPD) fitting and alteration/adjustments for all City of Torrington police personnel over all 3 shifts shall be included in the bid price. Successful bidder shall be required to measure/fit all City of Torrington police officers and provide alterations/adjustments over as many sessions as needed to complete the task at no additional charge to the City. The Torrington Police Department will minimize the number of sessions required to the extent possible in order to minimize the impact on the vendor's business.
- VII. Each bidder is encouraged to submit multiple models for consideration along with appropriate documentation for each model proposed. Use separate photocopy of bid cover page for each proposed model
- VIII. Materials shall be aramid Kevlar®, Twaron® or Vectran® materials - no plastic stiffeners are permitted
- IX. Manufacturer's sales and specification literature shall be included for each model vest proposed including information such as the weight, density, thickness, colors, etc. for the proposed vest. Include any additional data that may be of assistance to the City of Torrington when evaluating the various proposals.
- X. Bidders shall provide the names and contact numbers of at least three (3) departments to whom the bidder has provided the proposed vest. At least two (2) of the departments should be Connecticut police departments.
- XI. The manufacturer's warranty and insurance coverage liability certificate shall be included with the bid proposal.
- XII. The bidder's warranty and insurance coverage liability certificate shall be included with the bid proposal if bidder is not the manufacturer
- XIII. It is the bidder's responsibility to provide sufficient documentation to enable the City of Torrington to compare various manufacturers and models proposed on an "apples to apples" basis.