

STATE OF OHIO
DEPARTMENT OF ADMINISTRATIVE SERVICES
GENERAL SERVICES DIVISION
OFFICE OF PROCUREMENT SERVICES
4200 SURFACE ROAD, COLUMBUS, OH 43228-1395

MANDATORY USE CONTRACT FOR: PURCHASE OF MATTRESS CORES AND MATERIALS, TOPPER PADS, AND HEADREST PILLOWS, FIRE RESISTANT

CONTRACT No.: OT905111

EFFECTIVE DATES: 04/28/11 to 01/31/13

*Renewal through: 04/30/2014

The Department of Administrative Services has accepted bids submitted in response to Invitation to Bid No. OT905111 and OT00908308 that opened on 01/19/11 and 10/13/12. The evaluation of the bid response(s) has been completed. The bidder(s) listed herein have been determined to be the lowest responsive and responsible bidder(s) and have been awarded a contract for the items(s) listed. The respective bid response, including the [Terms and Conditions for Bidding, Standard Contract Terms and Conditions, and Supplemental Contract Terms and Conditions](#), special contract terms & conditions, any bid addenda, specifications, pricing schedules and any attachments incorporated by reference and accepted by DAS become a part of this Requirements Contract.

This Requirements Contract is effective beginning and ending on the dates noted above unless, prior to the expiration date, the Contract is renewed, terminated or cancelled in accordance with the Contract Terms and Conditions.

This Requirements Contract is available to DEPARTMENT OF REHABILITATION & CORRECTIONS, OHIO PENAL INDUSTRIES, CHILLICOTHE CORRECTIONAL INSTITUTION, 15802 STATE ROUTE 104 NORTH, CHILLICOTHE, OH 45601, as applicable.

Agencies are eligible to make purchases of the listed supplies and/or services in any amount and at any time as determined by the agency. The State makes no representation or guarantee that agencies will purchase the volume of supplies and/or services as advertised in the Invitation to Bid.

SPECIAL NOTE: State agencies may make purchases under this Requirements Contract up to \$2500.00 using the state of Ohio payment card. Any purchase that exceeds \$2500.00 will be made using the official state of Ohio purchase order (ADM-0523). Any non-state agency, institution of higher education or Cooperative Purchasing member will use forms applicable to their respective agency.

Questions regarding this and/or the Requirements Contract may be directed to:

Meredith Stang
Meredith.stang@das.ohio.gov

This Requirements Contract and any Amendments thereto are available from the DAS Web site at the following address:

<http://www.ohio.gov/procure>

Signed: _____
Robert Blair, Director Date

*Indicates a contract extension through April 30, 2014 effective with Amendment #3.

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SPECIAL CONTRACT TERMS AND CONDITIONS

AMENDMENTS TO CONTRACT TERMS AND CONDITIONS: The following Amendments to the Contract Terms and Conditions do hereby become a part hereof. In the event that an amendment conflicts with the Contract Terms and Conditions, the Amendment will prevail.

CONTRACT AWARD: The contract will be awarded to the lowest responsive and responsible bidder by category of product. Failure to bid all items within the category may result in the bidder being deemed as not responsive and no further consideration given for potential awarding of the contract.

EVALUATION: Bids will be evaluated in accordance with Article I-17 of the "Instructions to Bidders". In addition, the state will multiply the unit price by the estimated usage specified in the bid for each line item and add these together to arrive at a total for each category. All products must meet or exceed the specifications and requirements, as indicated herein. Failure to bid all items within the category may result in the bidder being deemed as not responsive and no further consideration given for potential awarding of the contract.

DESCRIPTIVE LITERATURE: The Bidder may be required to submit descriptive literature of the supplies or services being offered. If requested, the literature will be used in the evaluation process to determine the lowest responsive and responsible bidder. If not provided as part of the bid response, the Bidder must provide said literature within seven (7) calendar days after request/notification by the Office of Procurement Services to do so. Any references, that may appear in the descriptive literature, that may alter the terms and conditions and specifications of the bid (e.g. F.O.B. Shipping Point or Prices Subject to Change), will not be part of any contract and will be disregarded by the state of Ohio. Failure of the bidder to furnish descriptive literature either as part of their bid response or within the time specified herein will deem the bidder not responsive.

PRODUCT SAMPLES: The bidder(s) may be required to submit samples of the supplies being offered. The samples will be used in the evaluation process to determine the lowest responsive and responsible bidder. If not included as part of their bid response, the bidder will be required to provide the samples within seven (7) calendar days after notification. Failure to provide the samples within the stated time period will result in the bidder being deemed not responsive. After award of the contract, the samples will be used as a basis of comparison with actual product delivered under contract. Any variation between the samples and product being delivered will be considered as an event of default. Any variations between the samples and actual product being delivered that are due to manufacturer changes may be acceptable and shall require prior written approval from DAS.

SERVICE: The successful bidder will be required to advise the using agency as necessary, by sending a personal representative to the using facility, about the correct method of product use. For example, the insertion of the core into the cover.

WARRANTY: The bidder shall submit a copy of the manufacturer's five (5) year warranty. If not included as part of their bid response, the bidder will be required to provide a copy of the manufacturer's five (5) year warranty within seven (7) calendar days after notification. Failure to provide a copy of the manufacturer's five (5) year warranty within the stated time period will result in the bidder being deemed not responsive and no further consideration given for potential awarding of the contract.

DELIVERY AND ACCEPTANCE: Supplies will be delivered to the participating agency within fifteen (15) days after receipt of order and, in accordance with paragraphs S-8, S-9, and S-10 of the SUPPLEMENTAL CONTRACT TERMS AND CONDITIONS. The delivery location will be noted on the purchase order issued by the participating agency. Acceptance (transfer of title) will occur upon the inspection and written confirmation by the ordering agency that the supplies delivered conform to the requirements set forth in the Contract. Unless otherwise provided in the Contract, acceptance shall be conclusive except as regards to latent defects, fraud, or such gross mistakes as amount to fraud. Unless otherwise noted on purchase order, all items on the bid shall be made available for delivery to:

OPI – Chillicothe Correctional Institution
15802 State Route 104 North
Chillicothe, OH 45601

Contact Person: Brendee Billings, Mattress Factory – (740) 774-7080 x 2440

Delivery: 7:00 a.m. to 10:00 am and 12:00 pm to 2:30 pm. No deliveries shall be made Fridays or on State holidays.

If there are problems concerning delivery, contact the OPI Business Administrator at 1221 McKinley Avenue Columbus, OH 43222, (614) 752-0287, Fax (614) 752-0491.

SPECIAL CONTRACT TERMS AND CONDITIONS (Cont'd)

SPECIAL NOTE: DAS and DRC-OPI reserves the right to add any additional institutional sites for shipment. Primary shipment institution is listed on page 3 and other potential institutional locations for shipment are listed on page 6 with the possibility of other institutions to be added or deleted from the list.

ON ORDERS TOTALING LESS THAN SPECIFIED MINIMUM ORDER: Shipment is to be made by freight, parcel post, express or commercial package delivery, whichever is the most economical method for proper delivery of the item F.O.B. destination freight prepaid and added to the invoice.

FIXED-PRICE WITH ECONOMIC ADJUSTMENT: The contract prices(s) will remain firm for the first twelve (12) months duration of the contract. Thereafter, the Contractor may submit a request to increase their price(s) to be effective thirty (30) calendar days after acceptance by DAS. No price adjustment will be permitted prior to the effective date of the increase received by the Contractor from his suppliers, or on purchase orders that are already being processed, or on purchase orders that have been filled and are awaiting shipment. If the Contractor receives orders requiring quarterly delivery, the increase will apply to all deliveries made after the effective date of the price increase.

The price increase must be supported by a general price increase in the cost of the finished supplies, due to increases in the cost of raw materials, labor, freight, Workers' Compensation and/or Unemployment Insurance, etc. Detailed documentation, to include a comparison list of the contract items and proposed price increases, must be submitted to support the requested increase. Supportive documentation should include, but is not limited to: copies of the old and the current price lists or similar documents which indicate the original base cost of the product to the Contractor and the corresponding increase, and/or copies of correspondence sent by the Contractor's supplier on the supplier's letterhead, which contain the above price information and explains the source of the increase in such areas as raw materials, freight, fuel or labor, etc.

Should there be a decrease in the cost of the finished product due to a general decline in the market or some other factor, the Contractor is responsible to notify DAS immediately. The price decrease adjustment will be incorporated into the contract and will be effective on all purchase orders issued after the effective date of the decrease. If the price decrease is a temporary decrease, such should be noted on the invoice. In the event that the temporary decrease is revoked, the contract pricing will be returned to the pricing in effect prior to the temporary decrease. For quarterly deliveries, any decrease will be applied to deliveries made after the effective date of the decrease. Failure to comply with this provision will be considered as a default and will be subject to Provision I.C. "Termination/Suspension" and Provision II. of the "Contract Remedies:" of the "Standard Contract Terms and Conditions".

USAGE REPORTS: Every three (3) months the contractor must submit a report (written or on disk) indicating sales generated by this contract. The report shall list usage by customer, by line item, showing the quantities/dollars generated by this contract. The report shall be forwarded to the Office of State Purchasing, 4200 Surface Road, Columbus, OH 43228-1395, Attn: Justine Wasmus or by email at Justine.Wasmus@das.state.oh.us.

Notice on the Use of Social Security Numbers as Federal Tax Identification Numbers:

The Department of Administrative Services (Department) requires vendors and contractors wishing to do business with the State to provide their Federal Taxpayer Identification Number to the Department. The Department does this so that it can perform statutorily required "responsibility" analyses on those vendors and contractors doing business with the State and, under limited circumstances, for tax reporting purposes. If you are a vendor or contractor using your Social Security Number as your Federal Taxpayer Identification Number, please be aware that the information you submit is a public record, and the Department may be compelled by Ohio law to release Federal Taxpayer Identification Numbers as a public record. If you do not want to have your Social Security Number potentially disclosed as a Federal Taxpayer Identification Number, the Department encourages you to use a separate Employer Identification Number (EIN) obtained from the United States Internal Revenue Service's to serve as your Federal Taxpayer Identification Number.

SPECIAL CONTRACT TERMS AND CONDITIONS (Cont'd)

Bid Automobile Liability Checklist:

Contractor will indicate, by checking the appropriate box(es) below, which mode of transportation will apply to this contract.

- Bidder/Broker ("The Contractor") or their Sub Contractor will make delivery or be performing services using a vehicle that is owned, leased or rented. Provide Certificate of Insurance documenting automobile liability with a Combined Single Limit of \$500,000.00.
- Goods/Services will be delivered via common carrier.
- No employee or representative of the contractor will have cause to be on state property to make deliveries or to perform services.

DISCLOSURE OF SUBCONTRACTORS / JOINT VENTURES (See Standard Contract Terms and Conditions, Section (roman numeral) V. General Provisions:, Paragraph Q.):

List names of subcontractors who will be performing work under the Contract.

| | |
|-------|-------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

By the signature affixed to Page 1 of this Bid, Bidder hereby certifies that the above information is true and accurate. The Bidder agrees that no changes will be made to this list of subcontractors or locations where work will be performed or data will be stored without prior written approval of DAS. Any attempt by the Bidder/Contractor to change or otherwise alter subcontractors or locations where work will be performed or locations where data will be stored, without prior written approval of DAS, will be deemed as a default. If a default should occur, DAS will seek all legal remedies as set forth in the Terms and Conditions which may include immediate cancellation of the Contract. Failure to complete this page may deem your bid not responsive.

OHIO DEPARTMENT OF REHABILITATION AND CORRECTION - INSTITUTIONS

Allen Correctional Institution
Lima, Ohio 45802

Belmont Correctional Institute
St. Clairsville, Ohio 43950

Chillicothe Correctional Institute
Chillicothe, Ohio 45601

Corrections Medical Center
Columbus, Ohio 43223

Correctional Reception Center
Orient, Ohio 43146

Dayton Correctional Institution
Dayton, Ohio 45417

Franklin Pre-Release Center
Columbus, Ohio 43223

Grafton Correctional Institution
Grafton, Ohio 44044

Hocking Correctional Facility
Nelsonville, Ohio 45764

Lake Erie Correctional Institution
Conneaut, Ohio 44030

Lebanon Correctional Institution
Lebanon, Ohio 45036

London Correctional Institution
London, Ohio 43140

Lorain Correctional Institution
Grafton, Ohio 44044

Madison Correctional Institution
London, Ohio 43140

Mansfield Correctional Institution
Mansfield, Ohio 44901

Marion Correctional Institution
Marion, Ohio 43302

Montgomery Education & Pre-Release Ctr.
Dayton, Ohio 45418

Noble Correctional Institution
Caldwell, Ohio 43724

North Central Correctional Institution
Marion, Ohio 43302

North Coast Correctional Treatment Facility
Grafton, Ohio 44044

Northeast Pre-Release Center
Cleveland, Ohio 44115

Oakwood Correctional Facility
Lima, Ohio 45801

Ohio Reformatory for Women
Marysville, Ohio 43040

Ohio State Penitentiary
Youngstown, Ohio 44505

Pickaway Correctional Institution
Orient, Ohio 43146

Richland Correctional Institution
Mansfield, Ohio 44901

Ross Correctional Institution
Chillicothe, Ohio 45601

Southeastern Correctional Institution
Lancaster, Ohio 43130

Southern Ohio Correctional Facility
Lucasville, Ohio 45699

Toledo Correctional Institution
Toledo, Ohio

Trumbull Correctional Institution
Leavittsburg, Ohio 44430

Warren Correctional Institution
Lebanon, Ohio 45036

*SPECIFICATIONS

I. SCOPE AND CLASSIFICATION

- A. Scope: The purpose of this bid is to obtain contractors to provide supplies and materials for the manufacture of mattresses and pillows at the Ohio Penal Industries (OPI), Chillicothe Correctional Institution, 15802 State Route 104 North, Chillicothe, OH 45601
- B. Classification:
- | | |
|----|--------------------------------|
| 1) | Cellular Flexible Cushioning |
| 2) | Bonded Polyester |
| 3) | Border Foam |
| 4) | Gray Typar |
| 5) | Permalator |
| 6) | 6 Inch Foam Mattress Core |
| 7) | Innerspring Mattress |
| 8) | *Clear Vinyl Protective Fabric |
| 9) | *Urethane Foam Sheets |

II. APPLICABLE DOCUMENTS

The following documents, in whole or in part, shall apply to both the flammability and physical characteristics specified within this document:

- A. ASTM-E162; Standard Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source.
- B. ASTM-E662 Test Method for Specific Optical Density of Smoke Generated by Solid Materials.
- C. ASTM E906; Standard Test Method for Heat and Visible Smoke Release Rates for Materials and Products.
- D. ASTM D3574; Methods of Testing Flexible Cellular Materials Slab, Bonded and Molded Urethane Foams.
- E. ASTM D1354; Standard Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter.
- F. ASTM D1055; Specification for Flexible Cellular Materials Latex Foam.
- G. California Technical Bulletin #117; Requirements, Test Procedure and Apparatus for Testing the Flame Retardance of Resilient Filling Materials Used in Upholstered Furniture.
- H. California Technical Bulletin #121; Flammability Test Procedure for Mattresses for Use in High Risk Occupancies.
- I. California Technical Bulletin #129; Flammability Test Procedure for Mattresses for Use in Public Buildings.
- J. California Technical Bulletin # 603; Open-Flame Standard for Mattresses.

III. REQUIREMENTS

- A. Cellular Flexible Cushioning
1. Materials: The material shall be cellular flexible cushioning, suitable for intended use, processed to meet or exceed all of the flammability and physical characteristics stated herein. The materials shall contain no normal or reclaimed rubber.
 2. Construction: The material shall have a homogeneous cellular structure with a porous surface, open cells, and flat surface. The cells shall be interconnecting and uniform in size. The form of the material shall be sheets or molded shape.
 3. Finish: The surface of the material shall be finished in accordance with the standard to the industry.

*Denotes added specifications from supplemental bid OT00908308 that was added with Amendment #1 on 02/01/13.

SPECIFICATIONS (cont'd)

4. Physical Characteristics: The material shall comply with the following properties:

| | | |
|--------------------------------|---|----------------------------|
| Density | ASTM-D3574-95 Test A | 5.0 to 5.5/cu. ft. maximum |
| Indentation | ASTM-D3574-95 measured @ 3" thickness Test B ₁ | Medium 40 ± 5 lbs. |
| Compression Set | ASTM-D3574-95 50% constant deflection - Percent of Original thickness Test D | 10% maximum |
| Tensile | ASTM-D3574-95 Test E | 8 Lbs./Sq. In. Minimum |
| Elongation | ASTM-D3574-95 Test E | 150% Minimum |
| Flex Fatigue | ASTM-D1055-97 | |
| Thickness Loss | ASTM-D1055-97 Calculated Per Percent of Original thickness | 5% Maximum |
| Indentation | Measure IFD per ASTM D3574-95 after 1 hour rest - compare to original | 35% Maximum |
| Tear Strength | ASTM-D3574-95 Test F | 2.0 lbs./in. Minimum |
| Resiliency | ASTM-D3574-95 Test H | 30% Minimum |
| Fungal and Bacterial Growth | ASTM G-21 & G-22 | No Growth |

5. Odor: The material shall be properly cured in order to prevent any objectionable odor. It shall be given an adequate airing by a moving current of air so as to completely remove all volatile matter.

6. Flame-resistance: The material shall comply with all of the following flammability characteristics:

| | | |
|----------------------|--|---|
| Radiant Panel | ASTM E162-94 or ASTM D3574-95 | Maximum flame spread Index-5 No melting or dripping |
| NBS Smoke Chamber | ASTM E662-94 Flaming & Non-Flaming 1" sample | Ds90 sec: 100 max. Ds4 min: 175 max. Dmax: 200 max. |

SPECIFICATIONS (Cont'd)

| | | |
|---|--|---|
| Rate of Heat Release (Method A or B) | A. ASTM E906-83 | Heat Release Rate |
| | a) Radiant Flux 3.5 W/cm ² | 50 KW m ² maximum |
| | b) Vertical Mode | Heat Release at 3 minutes |
| | c) Ignition - 2 pilots | 5.0 MJ/m ² maximum |
| | B. ASTM E1354-94 | Heat Release Rate |
| | a) Radiant Flux 35 kW/m ² | 75 kW/m ² maximum |
| | b) Horizontal Mode (2" Sample) | Heat Release at 3 minutes 25 kW/m ² maximum |
| Vertical Burn Test | California 117 | Pass |
| Other Tests | California 121 | Pass |
| | California 129 | Pass |
| | California 603 | Pass |

7. Workmanship: The product shall be of uniform texture and shall be free from any obvious manufacturing imperfections which may impair its serviceability.
8. The core and topper pads shall be made in the following sizes:

| | |
|---|---------------------------------|
| a. 28.5" x 12" x 2.5" (Headrest Pillow) | g. 34" x 73" x 3" |
| b. 28.5" x 73" x 3" | h. 34" x 73" x 4" |
| c. 28.5" x 73" x 4" | i. 34" x 77" x 3" |
| d. 28.5" x 77" x 3" | j. 34" x 77" x 4" |
| e. 28.5" x 77" x 4" | k. 38" x 83" x 1" (Topper Pads) |
| f. 34" x 12" x 2.5" (Headrest Pillow) | |
9. The 4" thick core may be laminated by using neoprene rubber base adhesive which must have the same degree of flame resistant quality as the cushioning.
10. The thickness of any piece of cushion used for lamination shall not be less than one (1") inch.
11. All products shall carry a 5-Year Manufacturers Warranty.
12. Quality verification through inspection and test procedures for cellular flexible cushioning
 - a. Sampling: When requested, one sample, 15" x 15" x 4", shall be made available to State Purchasing for visual inspection and approval prior to laboratory testing. Samples of other dimensions may also be required for testing purposes.
13. Preparation for delivery
 - a. Packaging: Shall be standard to the industry.
 - b. Packing: Cores and topper pads shall be wrapped in Kraft paper, poly bag, or any other strong wrapping material so that no damage can be made to the insert or topper pads.
 - c. Marking: Each package shall indicate the name of the material, size, contractor's name, and the name of the institution/agency.
14. Notes: Intended Use: The inserts and pads required by this specification are intended for the use in high risk mattresses and innerspring construction.

SPECIFICATIONS (Cont'd)

B. Bonded Polyester

1. Physical Characteristics
 - a. Thickness: 1"
 - b. Width: 30"
 - c. Length: 50' Minimum
 - d. Fiber: 15 Denier
 - e. Staple Length: 3"
 - f. Resin: 25% by weight
 - g. Weight: .75 ounce per square foot (+10% - 7%)
2. Preparation for Delivery
 - a. Packaging: Rolls shall be wrapped in plastic

C. Border Foam

1. Physical Characteristics
 - a. Thickness: ¼ inch
 - b. Width: 4 and 6 inches
 - c. Length: Minimum 85 yards length on rolls
2. Packaging: 3 mil or greater plastic waterproof covering
3. Workmanship: Must maintain required dimension

D. Gray Typar

1. Physical Characteristics
 - a. Color: Gray
 - b. Width: 41 Inches
 - c. Length: Approximately 500 linear yards per roll
 - d. Denier Per Filament: 10 +/- 10%
 - e. Weight: 2.0 ounce / square yard, +/- .1 ounce
 - f. Thickness: Approximately 10 mils
 - g. Tensile Strength, MD: Approximately 70 pounds
 - h. Tear Strength, MD: Approximately 13.4 pounds
2. Workmanship: Shall conform to industrial standards

E. Permalator

1. Physical Characteristics
 - a. Must be 34 inches wide by 77 ½ inches long
 - b. Must be fabricated from 62 each 20 gauge high carbon steel wires approximately 1 ¼ inch apart which pass through six (6) lengthwise cords
 - c. Cords
 - i. The cords are made of (6) strands of twisted paper and have an overall diameter or 5/32" (nominal). They are to be approximately 7" apart.
 - ii. The outer two (2) edge cords must be secured to the wire; the wire must pierce the inner four (4) cords.

SPECIFICATIONS (Cont'd)

F. 6 Inch Foam Mattress Core

1. Physical Characteristics: The material shall be available in the following sizes: 36" x 80" and 36" x 75" and comply with the following properties:

| | | |
|--------------------------------|--|----------------------------|
| Density | ASTM-D3574 Test A | 5.0 to 5.5/cu. ft. maximum |
| Indentation | ASTM-D3574 measured @ 3" thickness Test B ₁ | Medium 40 ± 5 lbs. |
| Compression Set | ASTM-D3574 50% constant deflection Percent of Original thickness Test D | 10% maximum |
| Tensile | ASTM-D3574 Test E | 8 Lbs./Sq. In. Minimum |
| Elongation | ASTM-D3574 Test E | 150% Minimum |
| Tear Strength | ASTM-D3574 Test F | 2.0 lbs./in. Minimum |
| Resiliency | ASTM-D3574 Test H | 30% Minimum |
| Fungal and Bacterial Growth | ASTM G-21 & G-22 | No Growth |

2. Odor: The material shall be properly cured in order to prevent any objectionable odor. It shall be given an adequate airing by a moving current of air so as to completely remove all volatile matter.

3. Flame-resistance: The material shall comply with all of the following flammability characteristics:

| | | |
|--|---|---|
| Radiant Panel | ASTM E162-94 or ASTM D3574-95 | Maximum flame spread Index-5 No melting or dripping |
| NBS Smoke Chamber | ASTM E662-94 Flaming & Non-Flaming 1" sample | Ds90 sec: 100 max. Ds4 min: 175 max. Dmax: 200 max. |
| Rate of Heat Release (Method A or B) | A. ASTM E906-83 a) Radiant Flux 3.5 W/cm ² b) Vertical Mode c) Ignition - 2 pilots | Heat Release Rate 50 KW m ² maximum Heat Release at 3 minutes 5.0 MJ/m ² maximum |
| | B. ASTM E1354-94 a) Radiant Flux 35 kW/m ² b) Horizontal Mode (2" Sample) | Heat Release Rate 75 kW/m ² maximum Heat Release at 3 minutes 25 kW/m ² maximum |

*SPECIFICATIONS (Cont'd)

| | | |
|--------------------|----------------|------|
| Vertical Burn Test | California 117 | Pass |
| Other Tests | California 121 | Pass |
| | California 129 | Pass |
| | California 603 | Pass |

When subjected to composite testing
 In addition, the flammability characteristics for the cushioning shall not be affected by exposure to liquids.

4. Workmanship: The product shall be of uniform texture and shall be free from any obvious manufacturing imperfections which may impair its serviceability.

G. *Innerspring Mattress Unit

1. Units must be available in two (2) sizes: 34 ½ inches wide by 74 ½ (regular length) and 34 ½ inches wide by 78 ½ inches long (long length).
2. Physical Characteristics
 - a. Regular length units are to consist of a minimum of 208 coils
 - b. Long length units are to consist of a minimum or 252 coils
3. *Perimeter coils (outside rows) are to be a minimum of 13 gauge and interior coils (middle six (6) rows) are to be a minimum of 13-1/2 gauge.
4. Border rods must extend around the full perimeter of the unit, both top and bottom, and are to be 6 gauge high carbon spring steel.
5. Helical wire must be greater than or equal to 17 ½ gauge
6. The complete spring units must be heat treated *after assembly to relieve stress.
7. *All coils must be Bonnell type and are to have no fewer than three (3) turn/convolutions (five counting top and bottom).
8. *Coil height must be five (5) inches +/- 1/4 inch
9. *Coil wire must be high carbon spring steel, hard drawn American Steel grade or equal with tensile strength specifications of 205,000 p.s.i. minimum and 275,000 p.s.i. maximum
10. *Innerspring units must be compressed and crated so as to meet all safety requirements in bundles of 20 units.

H) *Clear Vinyl Protective Fabric

| Gauge | 12 | 14 | 16 | 20 |
|------------------------|------|------|------|------|
| Softness-(PHR) | 42 | 45 | 45 | 45 |
| Tensile Strength-(PSI) | 2980 | 2700 | 2700 | 2400 |
| Elongation-(%) | 240 | 240 | 240 | 260 |
| Tear Strength-LB/IN | 34 | 34 | 34 | 32 |
| U.V. Rating (HOUR) | 200 | 200 | 200 | 200 |
| Cold Crack | +0 | +0 | +0 | +0 |

Sizes: Interlvd 5" x 56" 35lbs
 Interlvd 7" x 57" 105lbs

*Denotes added specifications from supplemental bid OT00908308 that was added with Amendment #1 on 02/01/13.

*SPECIFICATIONS (Cont'd)

I) *Urethane Foam sheets

A. Classifications

1. Type: The urethane foam is to be furnished in the following type as specified: Type II - Conventional, combustion - modified. *
2. Class: Urethane foam is to be furnished in the following class as specified: Class 5 - Extra firm.
3. Dimensions and Thickness: Dimensions and thickness are to be as specified in the Invitation to Bid.

B. Applicable Documents

1. American Society for Testing and Materials (ASTM) Standards: D 3574 - Flexible cellular materials – slab, bonded, and molded urethane foams.

C. Requirements

1. Material: Urethane foam is to be made from polyhydroxy compounds, isocyanates, and water reacted together to form an expanded flexible open cell product. Auxiliary expanding agents such as halogenated hydrocarbons will be acceptable.
2. Filler: Filler is to consist of inert mineral powders such as calcium carbonate, barium sulfate, zirconium silicate, or alumina trihydrate.
3. Tolerances: Tolerances on thickness, length, and width are to be as specified.

| <u>THICKNESS</u> | <u>TOLERANCES</u> |
|------------------|-------------------|
| 1/4" to 1-1/2" | ± 1/16" |
| 1-1/2" to 3" | ± 1/8" |
| 3" to 5" | ± 3/16" |

Length and Width

- a. LENGTH ± 1/2"
- b. WIDTH ± 1/2"

4. Density: The urethane polymer density of all foams is to be determined according to IV B.1 and is to be as specified as follows:

TYPE II - CLASS 5 EXTRA FIRM
MINIMUM DENSITY OF URETHANE FOAM

| | |
|---------|--------------|
| Kg/CU M | Lbs./Cu. Ft. |
| 25.6 | 1.6 |

5. Tensile Strength and Elongation: The tensile strength and elongation is to be determined according to IV B.2 and is to be as specified as follows:

Additives are designed to lessen combustibility of foams; they do not prevent foams from burning.

*Denotes added specifications from supplemental bid OT00908308 that was added with Amendment #1 on 02/01/13.

*SPECIFICATIONS (Cont'd)

TYPE II

| | | |
|---------------------------------------|--------|-----|
| Tensile Strength, Minimum Kilopascals | (K Pa) | 83 |
| Lbs./Sq. In., Minimum | | 12 |
| Elongation, Minimum Percent | | 120 |

6. Force Deflection

- a. Indentation - Deflection: When tested as specified in IV B.3, the indentation force deflection (IFD) is to fall within the below range designation. IFD values are based on a 380 x 380 x 102 - MM (15 x 15 x 4 in.) sample.

Force Deflection (identification-deflection)

| <u>IFD (25 Percent of deflection)</u> | | | | <u>IFD (65 Percent)</u> |
|---------------------------------------|--------------|-----------------------|----------------------|-------------------------|
| <u>Type</u> | <u>Class</u> | <u>Lbs/50 sq. in.</u> | <u>N/323 sq. cm.</u> | |
| II | 5 | 40-50 | 178-222 | |

Measured 25 percent IFD times support factor specified in III E.2 gives minimum values.

- b. Support Factor: The support factor is the ratio of 65 percent IFD to 25 percent IFD and is to be as follows:

TYPE II 1.8 Minimum

7. Constant Deflection Compression Set (75 Percent Deflection): The constant deflection compression set is to be a maximum of 15 percent (based on the original thickness, C_f) for all types when tested as specified in IV B4.

8. Steam Autoclave Effects: The material is to be exposed in a steam autoclave. Exposed material is to conform to the following requirements when tested as specified IV B5.

| | |
|--------------------------------------|--------------------|
| Force deflection change: | 20 percent maximum |
| Constant deflection compression set: | 15 percent maximum |

9. Fatigue Test: When tested as specified in IV B6, the material is to meet the following requirements for Type II.

| | |
|-----------------|---|
| Thickness Loss: | 5 Percent Maximum Force Deflection Loss |
| | 35 Percent Maximum |

10. Workmanship: Urethane foam is to be uniform in mechanical properties. The finished product is to be free of non-expanded resin and is to show no defects which may affect its serviceability.

IV. *Quality Verification Through Inspection And Test Procedures

- A. Sampling: Random slabs of urethane of the thickness, width and length normally supplied by the manufacturer to satisfy orders is to be furnished to the Office of State Purchasing upon request.

B. Testing of End Item:

1. Density: Apparent density is to be measured according to ASTM D 3574, Test A.

*Denotes added specifications from supplemental bid OT00908308 that was added with Amendment #1 on 02/01/13.

*SPECIFICATIONS (Cont'd)

2. Tensile Strength and Elongation: Tensile strength and elongation is to be tested according to ASTM D 3574, Test E.
3. Force Deflection: The indentation force deflection (IFD) is to be measured according to ASTM D 3574, Test B1.
4. Constant Deflection Compression Set: The constant deflection compression set is to be measured according to ASTM D 3574. Test D.
5. Steam Autoclave Test: Material is to be tested according to ASTM D 3574, Test J.
6. Fatigue Test: Material is to be tested according to ASTM D 3574, Test I1.
7. Standard Conditioning: Samples for testing are to be conditioned according to ASTM D 3574.

V. *Preparation For Delivery

Urethane foam is to be packed in commercial containers to insure safe delivery at destination.

VI. *Intended Use

Urethane foam supplied according to this specification is intended for use in general seating applications.

1. Combustibility: Urethane foams are to meet the specified requirements of California Technical Bulletin 133; Requirements, California Technical Bulletin 117, Test Procedure and Apparatus for Testing the Flame Retardance of Resilient Filling Materials Used in Upholstered Furniture.
2. Ordering Data: The purchaser should specify the quantity and sizes desired.

PRICE SCHEDULE

The six (6) digit OPI item numbers are for OPI's use only.

B. Category I: Cellular Flexible Cushioning: Chestnut Ridge Foam, Inc.*

| OAKS NUMBER | SIZE | OPI ITEM NUMBER | BOARD FOOT TRUCKLOAD PRICE | 2500 BOARD FOOT MINIMUM ORDER PRICE (ANY COMBINATION OF ITEMS) |
|-------------|--------------------|-----------------|----------------------------|--|
| 9598 | 28.5" x 12" x 2.5" | 100181 | \$ 1.451 | \$ 1.569 |
| 9601 | 28.5" X 73" X 3" | 090181 | \$ 1.413 | \$ 1.531 |
| 3757 | 28.5" X 73" X 4" | 010181 | \$ 1.469 | \$ 1.589 |
| 3760 | 28.5" X 77" X 3" | 080181 | \$ 1.413 | \$ 1.531 |
| 3761 | 28.5" X 77" X 4" | 140181 | \$ 1.469 | \$ 1.589 |
| 9599 | 34" x 12" x 2.5" | 110181 | \$ 1.451 | \$ 1.569 |
| 9602 | 34" X 73" X 3" | 120181 | \$ 1.413 | \$ 1.531 |
| 3758 | 34" X 73" X 4" | 020181 | \$ 1.469 | \$ 1.589 |
| 3762 | 34" X 77" X 3" | 130181 | \$ 1.413 | \$ 1.531 |
| 9600 | 34" X 77" X 4" | 030181 | \$ 1.469 | \$ 1.589 |
| 3759 | 38" X 83" X 1" | 010192 | \$ 1.497 | \$ 1.615 |

Note – OPI Item #100181 requires 9.18 board feet each and OPI Item #110181 requires 10.95 board foot each.

Quote Bd. Ft. price to be used to calculate any sizes other than those listed: \$ 1.312 for 3" and \$ 1.376 for 4" bd. ft.

Truckload lots consist of varies cores. (How many?) Truckload consists of 32,000 board feet. (How many?)

Truckload shipment may be mixed load of various sizes.

C. Category II: Bonded Polyester: Hickory Springs Manufacturing Company*

| OAKS NUMBER | SIZE | OPI ITEM NUMBER | ESTIMATED ANNUAL USAGE | MINIMUM ORDER | MINIMUM ORDER PRICE |
|-------------|-------------------------|-----------------|------------------------|---------------|---------------------|
| 18278 | 1" x 30" x 50ft minimum | 010749 | 80 Rolls | 80 Rolls | \$ 6,796.00 |
| 18278 | 1" x 30" x 50ft minimum | 010749 | 120 Rolls | 120 Rolls | \$ 10,020.00 |

D. Category III: Border Foam: Hickory Springs Manufacturing Company*

| OAKS NUMBER | SIZE | OPI ITEM NUMBER | ESTIMATED ANNUAL USAGE | MINIMUM ORDER | MINIMUM ORDER PRICE |
|-------------|------------------------------|-----------------|------------------------|---------------|---------------------|
| 18279 | .25" x 4" x 85 yards minimum | 090184 | 20,000 Yards | 15,000 Yards | \$ 3,450.00 |
| 18280 | .25" x 6" x 85 yards minimum | 020184 | 7,500 Yards | 5,000 Yards | \$ 1,650.00 |

E. Category IV: Gray Typar:

| OAKS NUMBER | SIZE | OPI ITEM NUMBER | MINIMUM ORDER | MINIMUM ORDER PRICE |
|-------------|-----------------|-----------------|---------------|---------------------|
| 18281 | 41" x 500 yards | 010189 | 2,500 Yards | \$ NO AWARD |

*Annotates which manufacturer is allowed to sell in each category with Amendment #2 effective 02/25/13.

F. Category V: Permalator:

| OAKS NUMBER | SIZE | OPI ITEM NUMBER | MINIMUM ORDER | MINIMUM ORDER PRICE |
|-------------|-------------|-----------------|---------------|---------------------|
| 9995 | 34" x 77.5" | 010188 | 300 Each | \$ NO AWARD |

G. Category VI: 6 Inch Foam Mattress Core: Chestnut Ridge Foam, Inc.*

| OAKS NUMBER | SIZE | OPI ITEM NUMBER | TRUCKLOAD PRICE | 2500 BOARD FOOT MINIMUM ORDER PRICE |
|-------------|----------------|-----------------|-----------------|-------------------------------------|
| 18282 | 36" x 75" x 6" | 040181 | \$ 1.469 | \$ 1.589 |
| 18283 | 36" x 80" x 6" | 050181 | \$ 1.469 | \$ 1.589 |

Truckload lots consist of varies cores. (How many?)

Truckload consists of 32,000 board feet. (How many?)

H. Category VII: Innerspring Mattress Unit:

| OAKS NUMBER | SIZE | OPI ITEM NUMBER | TRUCKLOAD PRICE | 300 EACH (ANY COMBINATION OF ITEMS) MINIMUM ORDER PRICE |
|-------------|------------------------------|-----------------|-----------------|---|
| 5226 | 34 1/2" x 74 1/2"; 208 Coils | 010185 | \$ NO AWARD | \$ NO AWARD |
| 9994 | 34 1/2" x 78 1/2"; 252 Coils | 020185 | \$ NO AWARD | \$ NO AWARD |

Truckload lots consist of _____ cores. (How many?)

Truckload consists of _____ board feet. (How many?)

I. Category IX: Clear Vinyl Protective Fabric:

| OAKS NUMBER | SIZE | OPI ITEM NUMBER | ESTIMATED ANNUAL USAGE | MINIMUM ORDER | MINIMUM ORDER PRICE |
|-------------|---------------------------|-----------------|------------------------|---------------|---------------------|
| 22706 | 54"-56"x40 yards 12 gauge | 019234 | 250 Yards | 100 Yards | \$ NO AWARD |
| 22707 | 54"-56"x40 yards 14 gauge | 029234 | 250 Yards | 100 Yards | \$ NO AWARD |
| 22708 | 54"-56"x40 yards 16 gauge | 039234 | 250 Yards | 100 Yards | \$ NO AWARD |
| 22709 | 54"-56"x40 yards 20 gauge | 049234 | 250 Yards | 100 Yards | \$ NO AWARD |

J. Category IX: Urethane Foam Sheets: Hickory Springs Manufacturing Company*

| OAKS NUMBER | SIZE | OPI ITEM NUMBER | ESTIMATED ANNUAL USAGE | MINIMUM ORDER | MINIMUM ORDER PRICE |
|-------------|---------------|-----------------|------------------------|---------------|---------------------|
| 23316 | 1/2"x82"x100" | 040184 | 25 Sheets | 10 Sheets | \$ 234.10 |
| 23317 | 1"x82"x100" | 050184 | 10 Sheets | 5 Sheets | \$ 234.10 |
| 23318 | 2"x82"x100" | 060184 | 10 Sheets | 5 Sheets | \$ 462.50 |
| 23319 | 3"x82"x100" | 070184 | 40 Sheets | 20 Sheets | \$ 2,775.20 |

*Annotates which manufacturer is allowed to sell in each category with Amendment #2 effective 02/25/13.

CONTRACTOR INDEX

CONTRACTOR, TERMS, AND SHIPMENT

11434
Chestnut Ridge Foam, Inc.
443 Warehouse Drive
P.O. Box 781
Latrobe, PA 15650

REMIT TO:

11434
Chestnut Ridge Foam, Inc.
P.O. Box 1331
Johnstown, PA 15907

CONTRACT NO.: OT905111-1 (04/30/2014)

DELIVERY: 15 Days A.R.O.

TERMS: Net 30 Days

CONTRACTOR'S CONTACT: John McManamy

Telephone: (724) 537-9000 - x265
Toll Free: (800) 234-2734 - x265
FAX: (724) 537-9003
E-mail: jmcmnamy@chestnutridgefoam.com

Preferred method of receiving purchase orders: Email: jmcmnamy@chestnutridgefoam.com

CONTRACTOR, TERMS, AND SHIPMENT

94633
Hickory Springs Manufacturing Company
3766 N Kitley Ave
Indianapolis, IN 46226

CONTRACTOR'S CONTACT: Gene Tuberville

CONTRACT NO.: OT905111-3 (04/30/2014)

DELIVERY: 20 Days A.R.O.

TERMS: Net 30 Days

Telephone: (248) 881-1843
E-mail: jeturbeville@hickorysprings.com

Preferred method of receiving purchase orders: Email: kbenton@hitechfoam.com

SUMMARY OF AMENDMENTS

| Amendment Number | Revision Date | Description |
|-------------------------|----------------------|---|
| 3 | 02/01/14 | This amendment is issued to mutually extend the contract with Chestnut Ridge Foam, Inc. and Hickory Springs Manufacturing Company through April 30, 2014 and update the agency contact. All prices and terms & conditions remain unchanged. |
| 2 | 02/25/13 | This amendment is issued to clarify category awards according to contractors and update language in the Summary of Amendments page. All other terms and conditions remain unchanged. |
| 1 | 02/01/13 | Amendment is issued to add Supplemental Bid # OT00908308 to the existing Contract # OT905111. This amendment is also issued to increase the prices for cellular flexible cushioning and 6" foam mattress core, and to extend the contract for a period of 12 months through January 31, 2014. All other terms and conditions remain the same. |