

INVITATION TO BID

State of Ohio
Department of Administrative Services
General Services Division
Office of Procurement Services

The Original Signed Bid must be submitted to the Office of Procurement Services to receive consideration for award.		BIDDER NAME	
BID NUMBER <u>OT905111</u>	OPENING DATE (1:00 p.m.) <u>January 10, 2011</u>	STREET ADDRESS <input type="checkbox"/> Check if remit address is different and list on separate sheet	
General Services Division Office of Procurement Services 4200 Surface Road Columbus, OH 43228-1395		CITY	STATE ZIP
Attn: Bid Desk		COUNTY	MBE/EDGE CERTIFICATE NUMBER
		TELEPHONE NO. ()	TOLL FREE NO. 1 - ()
		CONTACT PERSON	FAX NO. ()
REQ./INDEX NO. <u>OPI005</u>	BID NOTICE DATE <u>12/27/2010</u>	CONTRACTOR'S E-MAIL ADDRESS	
SELECT YOUR PREFERRED METHOD OF RECEIVING PURCHASE ORDERS AND ENTER THE E-MAIL OR FAX NUMBER INFORMATION (ONLY SELECT ONE METHOD)			
<input type="checkbox"/> E-Mail <input type="checkbox"/> Fax			
In addition to the standard terms for payment, the payment terms for state agency(ies) will be 2%,10 Days, Net 30 Days unless otherwise stated in the following space. If no discount is offered, bidder should circle "Net 30 Days". _____%, _____Days, Net 30 Days			
PARTICIPATING AGENCY(IES): DEPARTMENT OF REHABILITATION & CORRECTIONS, OHIO PENAL INDUSTRIES, CHILLICOTHE CORRECTIONAL INSTITUTION, 15802 STATE ROUTE 104 NORTH, CHILLICOTHE, OH 45601			
<p><u>THE DEPARTMENT OF ADMINISTRATIVE SERVICES, OFFICE OF PROCUREMENT SERVICES, IS SOLICITING BIDS FOR:</u></p> <p>MATTRESS CORES AND MATERIALS, TOPPER PADS, AND HEADREST PILLOWS, FIRE RESISTANT</p> <p>TERM OF CONTRACT: This Invitation to Bid is to establish a requirements contract to procure the described supplies or services on behalf of the above participating agency(ies). The agency(ies) may place orders against the Contract beginning <u>02/01/11</u> or upon the date when DAS signs the Contract, whichever is later in time. The Contract will expire <u>01/31/13</u> unless DAS terminates the Contract based upon reasons set forth in Article I-C of the Standard Contract Terms and Conditions. No agencies may place purchase orders against the Contract beyond the expiration date unless DAS renews the Contract by amendment. The Contractor may begin performance under the Contract only upon receipt of a valid order from a participating state agency.</p> <p>INSTRUCTIONS TO BIDDERS AND CONTRACT TERMS AND CONDITIONS, Revised 10-01-07, are a part of this Invitation to Bid. Copies may be downloaded by clicking on this link: Instructions: Terms and Conditions for Bidding, Standard Contract Terms and Conditions, and Supplemental Contract Terms and Conditions. All prior versions of Instructions to Bidders, Contract Terms and Conditions are null and void.</p> <p>By submitting this Invitation to Bid, the Contractor certifies that Contractor has truthfully disclosed the location(s) where all services are to be performed; the location(s) where all applicable State contract data is to be maintained or made available; and the principal location of business for the Contractor and all subcontractors. The Contractor further certifies and acknowledges that Contractor will not change the country of the location(s) where services are performed and will not change the country of the location(s) where data is maintained or made available without prior written consent of the State.</p> <p>Any questions or clarifications regarding this Invitation to Bid should be directed to the Office of Procurement Services through the Internet at www.procure.ohio.gov/. All questions should be submitted a minimum of five (5) working days prior to the bid opening date.</p>			
PRINTED/TYPED SIGNATURE		AUTHORIZED SIGNATURE (ORIGINAL SIGNATURE ONLY) (Please sign in blue ink)	DATE

The original signed Bid must be submitted to the Office of Procurement Services by 1:00 o'clock p.m., on the above listed opening date to receive consideration for award. It is requested that the Bidder not sign their bid in black ink. Bidder certifies, by signature affixed to its bid, that the information provided by it in its bid including the certified statements, is accurate and complete. Bidder declares to have read and understood and agrees to be bound by all of the instructions, terms, conditions and specifications of this Invitation to Bid and agrees to fulfill the requirements of any awarded contract at the prices bid.

REQUIRED CERTIFICATION FOR BIDDING

Those bidders claiming preference for Domestic Source End Products and/or the Ohio preference, pursuant to Revised Code Sections 125.09 and 125.11 and Administrative Code Section 123:5-1-06 must complete the following information. Bidders who qualify as an "Ohio" bidder (offer an Ohio product or who have significant Ohio economic presence) or who qualify as a Border State bidder are eligible to receive a five percent (5%) preference over non-Ohio/Border state bidders. The state reserves the right to clarify any information during the evaluation process. **BIDDERS MUST COMPLETE THIS CERTIFICATION TO RECEIVE THE PREFERENCE.**

A. DOMESTIC PREFERENCE (BUY AMERICA): [Not applicable to "Excepted Products"]

1. Where is each product/services being offered mined, raised, grown, produced or manufactured?
 United States: _____ (State) Canada Mexico (Go to B-1)
 Other: (Specify Country) _____ (Go to A-2)
2. End product is manufactured outside the United States and at least 50% of the cost of its components are produced, mined, raised, grown or manufactured within the United States. The cost of components may include transportation costs to the place of manufacture and, in the case of components of foreign origin, duty whether or not a duty free entry certificate is issued.
 Yes (Go to Section B-1) No (Go to Section A-3)
3. The Bidder hereby certifies that each end product, except the products listed below, is a domestic source end product as defined in the Buy America Act and that components of unknown origin have been considered to have been mined, produced, grown or manufactured outside the United States.
_____(Item) _____(Country of Origin)
_____(Item) _____(Country of Origin)

A domestic end source product is deemed to be excessively priced if it exceeds the cost of the foreign product by more than 6%. Pursuant to FAR, Part 25, the state of Ohio does not acquire supplies or services that cannot be imported lawfully into the United States. The contractor, their subcontractor(s) and any agent of the contractor or subcontractor must not acquire any supplies or services originating from sources within, or that were located in or transported from or through Cuba, Iran, Iraq, Libya, North Korea, Sudan Territory of Afghanistan controlled by the Taliban, or Serbia (excluding the territory of Kosovo).

B. OHIO PREFERENCE (BUY OHIO):

1. The products/services being offered are raised, grown, produced, mined or manufactured in Ohio.
 Yes (Go to C) No (Go to B-2)
2. Bidder has significant economic presence within the state of Ohio. Yes (Answer a, b, c, d below) No (Go to B-3)
 - a) Bidder has paid the required taxes due the state of Ohio Yes No
 - b) Bidder is registered with the Ohio Secretary of State
 Yes (Charter/Registration No.: _____) No
Questions regarding registration should be directed to (614) 466-3910 or visit their web site at:
<http://www.sos.state.oh.us/>
 - c) Bidder has ten or more employees based in Ohio or border state. Yes No (Go to B-2d)
 - d) Bidder has seventy-five percent or more employees based in Ohio or border state. Yes No (Go to B-3)
3. Border state bidder:
 Yes (Specify which state then go to B-2c): KY MI NY PA IN No (Go to B-4)
4. Border state bidder: mined products mined in respective border state Yes No Not Applicable



C. E.D.G.E. DESIGNATION

Bidder is certified E.D.G.E. business Yes No

For information on E.D.G.E. designation, please visit the DAS Equal Opportunity Division website at:

<http://www.das.ohio.gov/Divisions/EqualOpportunity/tabid/80/Default.aspx>

D. DECLARATION REGARDING MATERIAL ASSISTANCE/NON-ASSISTANCE TO A TERRORIST ORGANIZATION (DMA)

The Bidder being awarded this Contract must:

1. review the Terrorist Exclusion List at http://www.publicsafety.ohio.gov/links/terrorist_exclusion_list.pdf
2. complete the Declaration Regarding Material Assistance/Non-Assistance to a Terrorist Organization (DMA) form <http://www.publicsafety.ohio.gov/links/HLS0038.pdf> and submit this with your bid response.

Failure to complete the Declaration Regarding Material Assistance/Non-Assistance to a Terrorist Organization (DMA) form may result in the bidder being deemed not responsive and/or may invalidate any Contract award. If not submitted with the bid response, the bidder will have seven (7) calendar days, after notification, to submit the form.

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: Cassity Butler or by email at cassity.butler@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 Tyvar
 - 5) Permalator
 - 6) 6 Inch Foam Mattress Core
 - 7) Innerspring Mattress

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.
- 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.

SPECIFICATIONS (cont'd)

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.
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
Vertical Burn Test	California 117	Pass
Other Tests	California 121 California 129 California 603	Pass* Pass* Pass*

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

SPECIFICATIONS (Cont'd)

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)
 - b. 28.5" x 73" x 3"
 - c. 28.5" x 73" x 4"
 - d. 28.5" x 77" x 3"
 - e. 28.5" x 77" x 4"
 - f. 34" x 12" x 2.5" (Headrest Pillow)
 - g. 34" x 73" x 3"
 - h. 34" x 73" x 4"
 - i. 34" x 77" x 3"
 - j. 34" x 77" x 4"
 - k. 38" x 83" x 1" (Topper Pads)
 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.
- 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.
- 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:

a. Density	ASTM-D3574 Test A	5.0 to 5.5/cu. ft. maximum
b. Indentation	ASTM-D3574 measured @ 3" thickness Test B ₁	Medium 40 ± 5 lbs.
c. Compression Set	ASTM-D3574 50% constant deflection Percent of Original thickness Test D	10% maximum

SPECIFICATIONS (cont'd)

d. Tensile	ASTM-D3574 Test E	8 Lbs./Sq. In. Minimum
e. Elongation	ASTM-D3574 Test E	150% Minimum
f. Tear Strength	ASTM-D3574 Test F	2.0 lbs./in. Minimum
g. Resiliency	ASTM-D3574 Test H	30% Minimum
h. 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:

a. Radiant Panel	ASTM E162-94 or ASTM D3574-95	Maximum flame spread Index-5 No melting or dripping
b. NBS Smoke Chamber	ASTM E662-94 Flaming & Non-Flaming 1" sample	Ds90 sec: 100 max. Ds4 min: 175 max. Dmax: 200 max.
c. Rate of Heat Release (Method A or B)	1) 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
	2). 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
d. Vertical Burn Test	California 117	Pass
e. Other Tests	California 121 California 129 California 603	Pass* Pass* 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. Coils are to be a minimum of 13 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
7. All coils must be Bonnell type and are to have no fewer than six (6) convolutions
8. Coil height must be five (5) inches +/- 1 inch
9. Coil wire must be high carbon spring steel 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 in bundles of 20 units

IV. YOUR BID PROPOSAL

Bidders shall not insert a unit cost more than 3 digits after the decimal point. Digit(s) beyond 3, after the decimal point, shall be dropped by the Office of State Purchasing and not used in the evaluation and any subsequent award.

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

A. Category I: Cellular Flexible Cushioning

OAKS NUMBER	SIZE	OPI ITEM NUMBER	EST. BOARD FOOT ANNUAL USAGE	BOARD FOOT TRUCKLOAD PRICE	2500 BOARD FOOT MINIMUM ORDER PRICE (ANY COMBINATION OF ITEMS)
9598	28.5" x 12" x 2.5"	100181	30,000	\$	\$
9601	28.5" X 73" X 3"	090181	10,000	\$	\$
3757	28.5" X 73" X 4"	010181	50,000	\$	\$
3760	28.5" X 77" X 3"	080181	165,000	\$	\$
3761	28.5" X 77" X 4"	140181	10,000	\$	\$
9599	34" x 12" x 2.5"	110181	10,000	\$	\$
9602	34" X 73" X 3"	120181	10,000	\$	\$
3758	34" X 73" X 4"	020181	20,000	\$	\$
3762	34" X 77" X 3"	130181	10,000	\$	\$
9600	34" X 77" X 4"	030181	10,000	\$	\$
3759	38" X 83" X 1"	010192	30,000	\$	\$

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: \$ _____ bd. ft.*

Truckload lots consist of _____ cores. (How many?)* Truckload consists of _____ board feet. (How many?)*

Truckload shipment may be mixed load of various sizes.

B. Category II: Bonded Polyester

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	\$

C. Category III: Border Foam

OAKS NUMBER	SIZE	OPI ITEM NUMBER	ESTIMATED ANNUAL USAGE	MINIMUM ORDER	MINIMUM ORDER PRICE
18279	.25" x 4" x 85 yards minimum	010184	20,000 Yards	15,000 Yards	\$
18280	.25" x 6" x 85 yards minimum	020184	7,500 Yards	5,000 Yards	\$

* Not part of the evaluation, but will become part of the contract.

D. Category IV: Gray Typar

OAKS NUMBER	SIZE	OPI ITEM NUMBER	ESTIMATED ANNUAL USAGE	MINIMUM ORDER	MINIMUM ORDER PRICE
18281	41" x 500 yards	010189	2,500 Yards	2,500 Yards	\$

E. Category V: Permalator

OAKS NUMBER	SIZE	OPI ITEM NUMBER	ESTIMATED ANNUAL USAGE	MINIMUM ORDER	MINIMUM ORDER PRICE
9995	34" x 77.5"	010188	1,000 Each	300 Each	\$

F. Category VI: 6 Inch Foam Mattress Core

OAKS NUMBER	SIZE	OPI ITEM NUMBER	ESTIMATED ANNUAL USAGE	TRUCKLOAD PRICE	2500 BOARD FOOT MINIMUM ORDER PRICE
18282	36" x 75" x 6"	040181	50,000 Board Foot	\$	\$
18283	36" x 80" x 6"	050181	50,000 Board Foot	\$	\$

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

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

G. Category VII: Innerspring Mattress Unit

OAKS NUMBER	SIZE	OPI ITEM NUMBER	ESTIMATED ANNUAL USAGE	TRUCKLOAD PRICE	300 EACH (ANY COMBINATION OF ITEMS) MINIMUM ORDER PRICE
5226	34 1/2" x 74 1/2"; 208 Coils	010185	300 Each	\$	\$
9994	34 1/2" x 78 1/2"; 252 Coils	020185	300 Each	\$	\$

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

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

* Not part of the evaluation, but will become part of the contract.