

State of Delaware
Department of Transportation

SUPPLY OF REFLECTIVE SIGN SHEETING

Invitation to Bid
Contract No. DOT1220-REFLECTIVE_SHT

June 18, 2012

- Deadline to Respond -
July 17, 2012
2:00 P.M. local time

STATE OF DELAWARE
Department of Transportation
Contract Administration

CONTRACT NO. DOT1220-REFLECTIVE_SHT

ALL BIDDERS:

The enclosed packet contains an "INVITATION TO BID" for **SUPPLY OF REFLECTIVE SIGN SHEETING**. The invitation consists of the following documents:

INVITATION TO BID - CONTRACT NO. **DOT1220-REFLECTIVE_SHT**

- 1 DEFINITIONS and GENERAL PROVISIONS
- 2 SPECIAL PROVISIONS
- 3 TECHNICAL SPECIFICATIONS
- 4 BID QUOTATION REPLY SECTION
 - a. Attachment 1 - No Bid Reply Form
 - b. Attachment 2 - Non-Collusion Statement
 - c. Attachment 3 - Sample Monthly Usage Report
 - d. Attachment 4 - Bid Forms
 - e. Attachment 5 - Office of Minority and Women Business Enterprise Information

In order for your bid to be considered, the bid quotation reply section shall be executed completely and correctly and returned in a sealed envelope clearly displaying the contract number, by July 17, 2012, 2:00 p.m. local time

Bids shall be submitted to:

**STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
CONTRACT ADMINISTRATION
800 BAY ROAD
DOVER, DE 19901**

Please review and follow the information and instructions contained in the general and special provisions section of the invitation. Should you need additional information, please contact Contract Administration via e-mail at dot-ask@state.de.us or call 302-760-2031.

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CONTRACT ADMINISTRATION

DEFINITIONS
AND
GENERAL PROVISIONS

The attached Definitions and General Provisions apply to all contracts and are part of each invitation to bid. The requirement to furnish a bid bond and performance bond is applicable unless waived in the Special Provisions. Should the General Provisions conflict with the Special Provisions, the Special Provisions shall prevail. Bidders or their authorized representatives are required to fully acquaint themselves as to State procurement laws and regulations prior to submitting bid.

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DEFINITIONS

Whenever the following terms are used, their intent and meaning shall be interpreted as follows:

STATE: The State of Delaware

AGENCY: Delaware Department of Transportation.

DESIGNATED OFFICIAL: The agent authorized to act for the Agency.

BID INVITATION: The "bid invitation" or "invitation to bid" is a packet of material sent to vendors and consists of General Provisions, Special Provisions, specifications, and enclosures.

GENERAL PROVISIONS: General Provisions are instructions pertaining to contracts in general. They contain, in summary, requirements of laws of the State, policies of the Agency, and instructions to vendors.

SPECIAL PROVISIONS: Special Provisions are specific conditions or requirements peculiar to the contract under consideration and are supplemental to the General Provisions. Should the Special Provisions conflict with the General Provisions, the Special Provisions shall prevail.

BIDDER OR VENDOR: Any individual, firm, or corporation formally submitting a proposal for the material or work contemplated, acting directly or through a duly authorized representative.

PROPOSAL: The offer of the bidder submitted on the approved form and setting forth the bidder's prices for performing the work or supplying the material or equipment described in the specifications.

SURETY: The corporate body which is bound with and for the contract, or which is liable, and which engages to be responsible for the contractor's payments of all debts pertaining to and for its acceptable performance of the work for which it has contracted.

BIDDER'S DEPOSIT: The security designated in the proposal to be furnished by the bidder as a guaranty of good faith to enter into a contract with the Agency if the work to be performed or the material or equipment to be furnished is awarded to the bidder.

CONTRACT: The written agreement covering the furnishing and delivery of material or work to be performed.

CONTRACTOR: Any individual, firm, or corporation with whom a contract is made by the Agency.

CONTRACT BOND: The approved form of security furnished by the contractors and its surety as a guaranty of good faith on the part of the contractor to execute the work in accordance with the terms of the contract.

SECTION A - GENERAL PROVISIONS

1. **BID INVITATION:**

See "Definitions".

2. **PROPOSAL FORMS:**

The invitation to bid shall contain pre-printed forms for use by the vendor in submitting its bid. The forms shall contain basic information such as description of the item and the estimated quantities and shall have blank spaces for use by the vendor for entering information such as unit bid price, total bid price, etc.

3. **INTERPRETATION OF ESTIMATES:**

- a. The attention of bidders is called to the fact that, unless stated otherwise, the quantities given in the proposal form are to be considered to be approximate only and are given as a basis for the comparison of bids. The Agency may increase or decrease the amount of any item as may be deemed necessary or expedient, during the period of the contract.
- b. An increase or decrease in the quantity for any item is not sufficient ground for an increase or decrease in the unit price.

4. **SILENCE OF SPECIFICATIONS:**

The apparent silence of the specifications as to any detail, or the apparent omission from it of detailed description concerning any point, shall be regarded as meaning that only the best commercial practice is to prevail and only material and workmanship of the first quality are to be used. Proof of specifications compliance will be the responsibility of the vendor.

5. **EXAMINATION OF SPECIFICATIONS AND PROVISIONS:**

The bidder shall examine carefully the proposal and the contract forms for the material contemplated. The bidder shall investigate and satisfy itself as to the conditions to be encountered, quality and quantities of the material to be furnished, and the requirements of the Special Provisions and the contract. The submission of a proposal shall be conclusive evidence that the bidder has made examination of the aforementioned conditions.

6. **PREPARATION OF PROPOSAL:**

The bidder's prices **should be typewritten** on the bid pages provided.

7. **PRICES QUOTED:**

The prices quoted are those for which the material will be furnished F.O.B. Ordering Agency and include all charges that may be imposed during the period of the contract.

8. **DISCOUNT:**

No qualifying letter or statements in or attached to the proposal, or separate discounts will be considered in determining the low bid except as may be otherwise herein noted. Cash or separate discounts should be computed and incorporated into unit bid price(s).

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9. **SAMPLES OR BROCHURES:**

Samples or brochures may be required by the agency for evaluation purposes. They shall be such as to permit the Agency to compare and determine if the item offered complies with the intent of the specifications.

10. **PROPOSAL GUARANTY; BID BOND:**

Waived

11. **DELIVERY OF PROPOSALS:**

Proposals shall be delivered in sealed envelopes, and shall bear on the outside the name and address of the bidder as well as the designation of the contract. Proposals forwarded by U.S. Mail shall be sent first class to the address listed below. Proposals forwarded by delivery service other than the U.S. Mail or hand delivered must be delivered to the address listed below. All bids must clearly display the bid number on the envelope.

Delivery Service:
STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
CONTRACT ADMINISTRATION
800 BAY ROAD
DOVER, DE 19901

U.S. Mail:
STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
CONTRACT ADMINISTRATION
PO Box 778
DOVER, DE 19903

All proposals will be accepted at the time and place set in the advertisement. Bidder bears the risk of delays in delivery. Proposals received after the time set for public opening will be returned unopened.

12. **WITHDRAWAL OF PROPOSALS:**

A bidder may withdraw its proposal unopened after it has been deposited, if such a request is made prior to the time set for the opening of the proposal.

13. **PUBLIC OPENING OF PROPOSALS:**

The bids shall be publicly opened at the time and place specified by the Agency. Bidders or their authorized representatives are invited to be present.

14. **PUBLIC INSPECTION OF PROPOSALS:**

If the bidder designates a portion of its bid as confidential, it shall isolate and identify in writing the confidential portions. The bidder shall include with this designation a statement that explains and supports the firm's claim that the bid items identified as confidential contain trade secrets or other proprietary data.

15. **DISQUALIFICATION OF BIDDERS:**

Any one or more of the following causes may be considered as sufficient for the disqualification of a bidder and the rejection of its proposal or proposals:

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- a. More than one proposal for the same contract from an individual, firm, or corporation under the same or different names.
- b. Evidence of collusion among bidders.
- c. Unsatisfactory performance record as evidenced by past experience.
- d. If the unit prices are obviously unbalanced either in excess or below reasonable cost analysis values.
- e. If there are any unauthorized additions, interlineation, conditional or alternate bids or irregularities of any kind which may tend to make the proposal incomplete, indefinite, or ambiguous as to its meaning.
- f. Non-attendance of mandatory pre-bid meetings may be cause of disqualification.

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SECTION B - AWARD AND EXECUTION OF CONTRACT

1. **CONSIDERATION OF BIDS:**

- a. After the proposals have been opened, the bids will be tabulated and the results will be made available to the public. Tabulations of the bids will be based on the correct summation of items at the unit price bid.
- b. The right is reserved to waive technicalities, to reject any or all bids, or any portion thereof, to advertise for new proposals, to proceed to do the work otherwise, or to abandon the work, if in the judgment of the Agency or its agent, the best interest of the State will be promoted thereby.

2. **MATERIAL GUARANTY:**

Before any contract is awarded, the successful bidder may be required to furnish a complete statement of the origin, composition and manufacture of any or all of the material to be used in the contract together with such samples as may be requested for the purpose of testing.

3. **CONTRACT AWARD:**

Within thirty days from the date of opening proposals, the contract will be awarded or the proposals rejected.

4. **EXECUTION OF CONTRACT:**

- a. The bidder to whom the award is made shall execute a formal contract and bond within twenty days after date of official notice of the award of the contract.
- b. If the successful bidder fails to execute the required contract and bond, as aforesaid, within twenty days after the date of official notice of the award of the contract, its proposal guaranty shall immediately become forfeited as liquidated damages. Award will then be made to the next lowest qualified bidder of the work or re-advertised, as the Agency may decide.

5. **REQUIREMENT OF CONTRACT BOND:**

Waived

6. **WARRANTY:**

The successful bidder(s) shall be required to extend any policy guarantee usually offered to the general public, FEDERAL, STATE, COUNTY, or MUNICIPAL governments, on material in this contract against defective material, workmanship, and performance.

7. **THE CONTRACT(S):**

The contract(s) with the successful bidder(s) will be executed with the Department of Transportation, Contract Administration section.

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8. **INFORMATION REQUIREMENT:**

The successful bidder's shall be required to advise the Department of Transportation, Contract Administration of the gross amount of purchases made as a result of the contract.

9. **CONTRACT EXTENSION:**

The State reserves the right to extend this contract on a month-to-month basis for a period of up to three months.

10. **TERMINATION FOR CONVENIENCE:**

Contracts shall remain in effect for the time period and quantity specified unless the contract is terminated by the State. The State may terminate the contract at any time by giving written notice of such termination and specifying the effective date thereof, at least sixty (60) days before the effective date of termination.

11. **TERMINATION FOR CAUSE:**

If, for any reasons, or through any cause, the Contractor fails to fulfill in timely and proper manner its obligations under this Contract, or if the Contractor violates any of the covenants, agreements, or stipulations of this Contract, the State shall thereupon have the right to terminate this contract by giving written notice to the Contractor of such termination and specifying the effective date thereof, at least 5 days before the effective date of such termination. In that event, all finished or unfinished documents, data, studies, surveys, drawings, maps, models, photographs, and reports or other material prepared by the Contractor under this Contract shall, at the option of the State, become its property, and the Contractor shall be entitled to receive just and equitable compensation for any satisfactory work completed on such documents and other materials which is usable to the State.

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SECTION C - GENERAL

1. **AUTHORITY OF AGENCY:**

On all questions concerning the interpretation of specifications, the acceptability and quality of material furnished and/or work performed, the classification of material, the execution of the work, and the determination of payment due or to become due, the decision of the Agency shall be final and binding.

2. **LAWS TO BE OBSERVED:**

The contractor is presumed to know and shall strictly comply with all National, State, or County laws, and City or Town ordinances and regulations in any manner affecting the conduct of the work. The contractor shall indemnify and save harmless the State of Delaware, the Agency, and all Officers, Agency and Servants thereof against any claim or liability arising from or based upon the violation of any such laws, ordinances, regulations, orders, or decrees whether by itself or by its employees.

3. **PERMITS AND LICENSES:**

All necessary permits, licenses, insurance policies, etc. required by local, State or Federal laws, shall be provided by the contractor at its own expense.

4. **PATENTED DEVICES, MATERIAL AND PROCESSES:**

- a. The contractor shall provide for the use of any patented design, device, material, or process to be used or furnished under this contract by suitable legal agreement with the patentee or owner, and shall file a copy of this agreement with the Agency.
- b. The contractor and the surety shall hold and save harmless the State of Delaware, the Agency, the Director, their Officers or Agents from any and all claims because of the use of such patented design, device, material, or process in connection with the work agreed to be performed under this contract.

5. **EMERGENCY TERMINATION OF CONTRACT:**

- a. Due to restrictions which may be established by the United States Government on material, or work, a contract may be terminated by the cancellation of all or portions of the contract.
- b. In the event the contractor is unable to obtain the material required to complete the items of work included in the contract because of restrictions established by the United States Government and if, in the opinion of the Agency, it is impractical to substitute other available material, or the work cannot be completed within a reasonable time, the incomplete portions of the work may be cancelled, or the contract may be terminated.

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6. **TAX EXEMPTION:**

- a. Material covered by this proposal is exempt from all FEDERAL and STATE TAXES. Such taxes shall not be included in prices quoted.
- b. Any material which is to be incorporated in the work or any equipment required for the work contemplated in the proposal may be consigned to the Agency. If the shipping papers show clearly that any such material is so consigned, the shipment will be exempt from the tax on the transportation of property under provisions of Section 3475 (b) of the Internal Revenue Code, as amended by Public Law 180 (78th Congress). All transportation charges shall be paid by the contractor. Each bidder shall take its exemption into account in calculating its bid for its work.

7. **OR EQUAL (PRODUCTS BY NAME):**

Specifications of products by name are intended to be descriptive of quality or workmanship, finish and performance. Desirable characteristics are not intended to be restrictive. Substitutions of products for those named will be considered provided the vendor certifies that the function, characteristics, performance and endurance qualities of the material offered is equal or superior to that specified.

8. **BID EVALUATION AND AWARD:**

The Department of Transportation, Contract Administration will award this contract to the lowest responsible bidder(s) which in their judgment best serves the interest of the State of Delaware in accordance with Delaware Code Title 29, Section 6923(k). Personnel with experience and technical background may be utilized by the Department of Transportation in making judgment. In case of error in price extension, the unit price(s) shall prevail.

9. **INVOICING:**

After the awards are made, the agencies participating in the bid may forward their purchase orders to the successful bidder(s) in accordance with State Purchasing Procedures. The State will generate a payment voucher upon receipt of an invoice from the vendor.

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SECTION D - EQUAL OPPORTUNITY

1. **EQUALITY OF EMPLOYMENT OPPORTUNITY ON PUBLIC WORKS:**

During the performance of any contract for public works financed in whole or in part by appropriation of the State of Delaware, the contractor agrees as follows:

- a. The contractor will not discriminate against any employee or applicant for employment because of race, creed, color, sex, age, or national origin. The contractor will take affirmative action to ensure that applicants are employed and that employees are treated equally during employment without regard to their race, creed, color, sex, age, or national origin. Such action shall include, but not be limited to the following: advertising, lay-off or termination, rates of pay or other forms of compensation, and selection for training including apprenticeships. The contractor agrees to post in conspicuous places, notices to be provided by the contracting agency setting forth the provisions of this non-discrimination clause.
- b. The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, creed, color, sex, age, or national origin.
- c. The term "contractor for public works" means construction, reconstruction, demolition, alteration, and/or repair work, maintenance work, and paid for in whole or in part out of the funds of a public body except work performed under a vocational rehabilitation program. The manufacture or furnishing of materials, articles, supplies or equipment is not a public work within the meaning of this subsection unless conducted in connection with and at the site of the public work.

Revised 7/1/2009

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SPECIAL PROVISIONS

1. **CONTRACT REQUIREMENTS:**

This contract will be issued to cover the **DOT1220-REFLECTIVE_SHT** requirements.

2. **CONTRACT PERIOD:**

Each vendor's contract shall be valid upon contract execution through June 30, 2015. Each contract may be renewed if agreeable to both parties for up to two (2) additional one year terms through price negotiation between the contractor and the Department of Transportation, Contract Administration. Negotiation should be initiated no later than ninety (90) days prior to the termination of the agreement to allow the Department time to re-advertise this contract if not renewed.

3. **PRICES:**

Prices shall remain firm for each term of the contract.

4. **PRICE ADJUSTMENT:**

For each succeeding term, the Department of Transportation, Contract Administration shall have the option of accepting new pricing offered by the contractor, or allowing the contract to expire.

5. **SHIPPING TERMS:**

F.O.B. destination freight pre-paid, unless otherwise ordered.

6. **FUNDING OUT:**

The continuation of this contract is contingent upon funding appropriated by the legislature and funds being made available to the Division of Maintenance and Operations for the indicated fiscal year. The purchase order(s) will not be issued prior to the beginning of that fiscal year.

7. **PERFORMANCE BOND REQUIREMENT:**

Performance Bond Waived

8. **MANDATORY INSURANCE REQUIREMENTS:**

Certificate of Insurance and/or copies of insurance policies for the following:

1. As a part of the contract requirements, the contractor must obtain at its own cost and expense and keep in force and effect during the term of this contract, including all extensions, the minimum coverage limits specified below with a carrier satisfactory to the State. All contractors must carry Comprehensive General Liability and at least one of the other coverages depending on the type of service or product being delivered.

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- a. Comprehensive General Liability - \$1,000,000.00 per person/\$3,000,000 per occurrence.
and
 - b. Medical/Professional Liability - \$1,000,000.00 per person/\$3,000,000 per occurrence.
or
 - c. Miscellaneous Errors and Omissions - \$1,000,000.00 per person/\$3,000,000 per occurrence.
or
 - d. Product Liability - \$1,000,000.00 per person/\$3,000,000 per occurrence.
2. Automotive Liability Insurance covering all automotive units used in the work with limits of not less than \$100,000 each person and \$300,000 each accident as to bodily injury and \$25,000 as to property damage to others.
3. Forty-five (45) days written notice of cancellation or material change of any policies is required.

Contract Administrator, dot-ask@state.de.us
Contract No. DOT1220-REFLECTIVE_SHT
State of Delaware
Department Of Transportation
PO Box 778
DOVER, DE 19903
FAX: 302-739-2254

Note: The State of Delaware shall not be named as an additional insured

9. **BASIS OF AWARD:**

The Department of Transportation, Contract Administration shall award this contract to the lowest responsible and responsive bidder(s) of the contract who best meets the terms and conditions of the bid. The award will be made on basis of price, and prior history of service and capability.

The Department of Transportation, Contract Administration reserves the right to reject any or all bids in whole or in part, to make multiple awards, partial awards, award by types, item by item, or lump sum total, whichever may be most advantageous to the State of Delaware.

10. **STATE OF DELAWARE BUSINESS LICENSE:**

Prior to receiving an award, the successful vendor shall either furnish the Department of Transportation, Contract Administration with proof of State of Delaware Business Licensure or initiate the process of application where required. An application may be requested in writing to: Division of Revenue, Carvel State Building, P.O. Box 8750, 820 N. French Street, Wilmington, DE 19899 or by telephone to one of the following numbers: (302) 577-8201 - Public Service, (302) 577-8205 - Licensing Department.

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Information regarding the award of this contract will be given to the Division of Revenue. Failure to comply with the State of Delaware licensing requirements may subject your organization to applicable fines and/or interest penalties.

11. **HOLD HARMLESS:**

The successful bidder agrees that it shall indemnify and hold the State of Delaware and all its agencies harmless from and against any and all claims for injury, loss of life, or damage to or loss of use of property caused or alleged to be caused, by acts or omissions of the successful bidder, its employees, and invitees on or about the premises and which arise out of the successful bidder's performance, or failure to perform as specified in the Agreement.

12. **OWNERSHIP OF INTELLECTUAL PROPERTY:**

All copyright and patent rights to all papers, reports, forms, materials, creations, or inventions created or developed in the performance of this contract shall become the sole property of the State of Delaware. On request, the contractor shall promptly provide an acknowledgment or assignment in a tangible form satisfactory to the State to evidence the State's sole ownership of specifically identified intellectual property created or developed in the performance of the contract.

13. **NON-PERFORMANCE:**

In the event the vendor does not fulfill its obligations under the terms and conditions of this contract, the ordering agency may purchase equivalent product on the open market. Any difference in cost between the contract prices herein and the price of open market product shall be the responsibility of the vendor. Under no circumstances shall monies be due the vendor in the event open market products can be obtained below contract cost. Any monies charged to the vendor may be deducted from an open invoice.

14. **FORCE MAJEURE:**

Neither the vendor nor the ordering agency shall be held liable for non-performance under the terms and conditions of this contract due, but not limited to, government restriction, strike, flood, fire, or unforeseen catastrophe beyond either party's control. Each party shall notify the other in writing of any situation that may prevent performance under the terms and conditions of this contract.

15. **CONTRACTOR NON-ENTITLEMENT:**

State of Delaware Contractors for Materiel and for Services shall not have legal entitlement to, nor seek business from another Contractors' Central Contract. Additionally, they shall not utilize other Central Contracts to fulfill the requirements of their respective contract as they are not a "Covered Agency" as defined by Title 29 Chapter 69 of the State Procurement Code.

16. **MANDATORY USAGE REPORT:**

One of the primary goals in administering this contract is to keep accurate records regarding its actual value. This information is essential in order to update the contents of the contract and to establish proper bonding levels if they are required. The integrity of future contracts revolves around our ability to convey accurate and realistic information to all interested bidders.

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A report shall be furnished by the successful contractor **MONTHLY Electronically in Excel format** detailing the purchasing of all items on this contract. The format to be followed is described herein and shall be filed within fifteen (15) days after the end of each reporting period. Any exception to this mandatory requirement may result in cancellation of the award. Failure to provide the report with the minimum required information may also negate any contract extension clauses. Additionally, contractors who are determined to be in default of this mandatory report requirement may have such conduct considered against them, in assessment of responsibility, in the evaluation of future proposals. Vendors not having activity during a specific reporting period, shall reply with a "no activity" if there is no activity during the reporting period.

The report shall be submitted electronically in EXCEL and sent as an attachment to dot-ask@state.de.us. It shall contain the six-digit department and organization code.

17. **ORDERING PROCEDURE:**

Successful contractors are required to have either a local telephone number within the (302) area code, a toll free (800) number, or agree to accept collect calls. Each agency is responsible for placing their orders and may be accomplished by written purchase order, telephone, fax or computer on-line systems. The contractor or vendor must accept full payment by procurement (credit) card and/or conventional check and/or other electronic means at the State's option, without imposing any additional fees, costs or conditions.

18. **BILLING:**

The successful vendor is required to "Bill as Shipped" to the respective ordering agency(s). Ordering agencies shall provide contract number, ship to and bill to address, contact name and phone number.

19. **PAYMENT:**

The agency involved will authorize and process for payment each invoice within thirty (30) days after the date of receipt of a correct invoice. The contractor or vendor must accept full payment by procurement (credit) card and/or conventional check and/or other electronic means at the State's option, without imposing any additional fees, costs or conditions.

20. **PRODUCT SUBSTITUTION:**

All items delivered during the life of the contract shall be of the same type and manufacture as specified or accepted as part of the bid proposal unless specific approval is given by the Department of Transportation, Contract Administration to do otherwise. However, awarded vendors are highly encouraged to offer any like substitute product (s); either generic or brand name, at any time during the subsequent contract term, especially if an opportunity for cost savings to the state exists. In such cases, the state may require the submission of written specifications and/or product samples for evaluation prior to any approvals being granted.

21. **BID/CONTRACT EXECUTION:**

Both the non-collusion statement that is enclosed with this Invitation to Bid and the contract form delivered to the successful bidder for signature **shall** be executed by a representative who has the legal capacity to enter the organization into a formal contract with the State of Delaware, Department of Transportation.

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The awarded vendor(s) will be required to complete the new W-9 Form by visiting the Division of Accounting's Website: <http://accounting.delaware.gov> .

22. **CONTRACTOR RESPONSIBILITY:**

The State will enter into a contract with the successful contractor(s). The successful contractor shall be responsible for all products and services as required by this ITB. Subcontractors, if any, shall be pre-approved by the agency prior to use.

23. **PERSONNEL:**

- a. The Contractor represents that they have, or will secure at their own expense, all personnel required to perform the services required under this contract.
- b. All of the services required hereunder shall be performed by the Contractor or under its direct supervision, and all personnel, including subcontractors, engaged in the work shall be fully qualified and shall be authorized under State and local law to perform such services.
- c. None of the work or services covered by this contract shall be subcontracted without the prior written approval of the State.

24. **LIFE CYCLE COSTING:**

If applicable, the specifications contained within this ITB have been developed through Life Cycle Cost Analysis that will allow the State to realize the lowest total cost of ownership and operation over the useful life of the equipment.

25. **ENERGY STAR PRODUCTS:**

The contractor **must** provide products that earn the ENERGY STAR rating and meet the ENERGY STAR specifications for energy efficiency. The offeror is encouraged to visit www.energystar.gov for complete product specifications and updated lists of qualifying products.

26. **TERMINATION FOR CONVENIENCE:**

Contracts shall remain in effect for the time period and quantity specified unless the contract is terminated by the State. The State may terminate the contract at any time by giving written notice of such termination and specifying the effective date thereof, at least sixty (60) days before the effective date of termination.

27. **TERMINATION FOR CAUSE:**

If, for any reasons, or through any cause, the Contractor fails to fulfill in timely and proper manner its obligations under this Contract, or if the Contractor violates any of the covenants, agreements, or stipulations of this Contract, the State shall thereupon have the right to terminate this contract by giving written notice to the Contractor of such termination and specifying the effective date thereof, at least 5 days before the effective date of such termination. In that event, all finished or unfinished documents, data, studies, surveys, drawings, maps, models, photographs, and reports or other material prepared by the Contractor under this Contract shall, at the option of the State, become its property, and the Contractor

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shall be entitled to receive just and equitable compensation for any satisfactory work completed on such documents and other materials which is usable to the State.

28. **VENDOR EMERGENCY RESPONSE POINT OF CONTACT:**

The awarded vendor(s) shall provide the name(s), telephone, or cell phone number(s) of those individuals who can be contacted twenty four (24) hours a day, seven (7) days a week to meet a critical need for commodities or services when the Governor of the State of Delaware declares a state of emergency under the current Delaware Emergency Operations Plan. Failure to provide this information could render the bid as non-responsive.

29. **CONTRACT USE BY OTHER STATE AGENCIES**

Other state agencies may procure product under this contract so long as the arrangement is agreeable to all parties. (REF: Title 29, Chapter 6914(e) Delaware Code)

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SPECIAL PROVISIONS

General:

This contract provides for the preparation and delivery of Reflective Sheeting to the Delaware Department of Transportation, Division of Transportation Solutions, Traffic Signs and Markings Section, Sign Shop, Dover, Delaware, as designated in the proposal and as ordered by the Director of Transportation Solutions or his authorized representative.

Length of Contract:

The period of this contract is from the date of "execution" for three (3) calendar years with the option to extend the contract for two (2) additional one year periods. The one year extensions must be approved by both parties in writing, at least 90 days prior to expiration of the existing contract.

Price Adjustment:

It is the intent of the Department to purchase material during the entire contract life. Extension to future years is dependent on legislative appropriations for these Fiscal Years and agreement on succeeding year's pricing as described herein. The bid prices in the contract must be guaranteed for the first three years of the contract. The vendor's bid price may be adjusted for the difference in manufacturer's list price at the time of original award and the manufacturer's list price upon extension of the contract. If the difference exceeds the change in the Nationwide All Urban Consumer Price Index (CPI-U), U.S. city average for the same period, approval of any price adjustment offered the Vendor above the CPI-U will be at the discretion of the Director of Transportation Solutions.

Delivery:

Delivery must be made within forty five (45) days after receipt of a purchase order. An acknowledgment in writing of the approximate day of delivery must be submitted upon receipt of a purchase order.

Should this notification not be given, the supplier is warned that there may be a lengthy unloading delay. Any and all expenses incurred because of this delay will be the responsibility of the supplier.

Extension of Delivery Time:

The Department will only consider an extension of the delivery time or date specified under the terms of this contract in cases where labor strikes shall prevent the required fulfillment of the

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contract. Evidence of such delays must be submitted for consideration. Knowledge of existing or pending strikes will be taken into consideration in awarding the contract.

Liquidated Damages:

A sum of Twenty-five Dollars (\$25.00) per day will be deducted by the Department from monies due the vendor, not as a penalty, but as Liquidated Damages for each ordered shipment not delivered within the time specified in DELIVERY. Saturday, Sunday, and State legal holidays will be excluded from the computations for the assessment of Liquidated Damages.

Exempt from Taxes:

Articles covered by the proposal are exempt from all Federal and State taxes, if any are applicable, and such taxes shall not be included in the prices quoted. The successful bidder will be required to finish necessary or applicable tax exemption forms with his invoices.

Prices Quoted:

The prices quoted shall be those for which the article(s) will be furnished F.O.B. designated points of delivery and shall include all charges that may be imposed during the life of the contract.

Subletting or Assignment of Contract:

The vendor shall give his personal attention to the faithful prosecution of the work; shall keep the same under his personal control and shall not assign by power of attorney or otherwise sublet the work or any part thereof without the previous written consent of the Director of Transportation Solutions and shall not either legally or equitably assign any of the monies payable under this agreement or his claim thereto unless by and with the written consent of said Director of Transportation Solutions.

Right to Terminate the Contract:

The Delaware State Department of Transportation reserves the right to terminate the contract for failure to meet the provisions of the contract.

Basis of Award:

This contract will be awarded to the lowest bidder on the basis set forth by these provisions and specifications, said specifications are attached to, and are part of this contract. The Department reserves the right to award this contract based on criteria deemed to be in the best interest of the State.

Basis of Payment:

The article(s) referred to in this contract will be paid for at the unit price bid, upon presentation of triplicate billing certified to by an authorized representative of the Department as to approval and acceptance of the delivered item(s).

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Inspection:

Upon delivery, the article(s) will be inspected by an authorized representative of the Division of Transportation Solutions, and if found defective or if it fails in any way to meet the specifications in this proposal, it will be rejected. The decision(s) of the Director of Transportation Solutions will be final. Rejected material will be replaced by the supplier within the time limit specified at no cost to the Department.

Products by Name:

Specifications of products by name are intended to be descriptive of quality, workmanship, finish, function and approximate characteristics desired and are not necessarily intended to be restrictive. Substitution of products for those named may be considered, provided the substitute offered is in the opinion of the Department, equal or superior in quality, workmanship, finish, function and approximate characteristics to that specified in the Department's specifications.

For Bid Consideration:

The bidder must furnish with his proposal, the manufacturer's latest dated printed brochure which shall contain complete specifications to enable the Department to compare and determine if the article(s) and/or service(s) offered complies with the intent of the specifications and will be satisfactory for the work to be accomplished. The Department shall be the sole judge in this determination. A blanket statement that proposed material meets all specified requirements is not acceptable to establish equivalence.

Contract Award:

The award of this contract shall be based on the total low bid. Bidders must bid on all components of the contract to be eligible for award document. All products must be compatible with the materials that will be used in the production of traffic signs and graphic markings. A no bid on any item will disqualify bidder from award. Considerations will be made to availability of material, and the past history delivery.

Non-Reflective Sheeting:

All non-reflective sheeting supplied under this contract shall be compatible with the reflective sheeting supplied. All non-reflective sheeting shall meet the same certification and warranty requirement specified herein.

Certification:

The vendor shall submit with each shipment, a certification that attests that all material supplied does meet the requirement and specifications of the contract.

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Compatibility with Application Equipment:

All sheeting supplied by the vendor shall be suitable for bonding to clean, treated aluminum sign blanks in the Department's squeeze roll applicator.

Warranty:

The successful bidder shall be required to extend any policy guarantee usually offered to the general public on article(s) and/or services against defective material and workmanship.

Quantities:

The quantities shown are for comparison of bids only. The Department may increase or decrease any quantity or quantities without penalty or change in the bid price.

Bidder Requirements:

The Division of Transportation Solutions has the need to purchase reflective sheeting meeting ASTM Type I, Type IV and Type IX requirements.

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**SUPPLY OF REFLECTIVE SIGN SHEETING
CONTRACT NO. DOT1220-REFLECTIVE_SHT**

General Contract Provisions

- 749600 - REFLECTIVE SHEETING, TYPE I, 24" X 50 YDS
- 749601 - REFLECTIVE SHEETING, TYPE I, 30" X 50 YDS
- 749602 - REFLECTIVE SHEETING, TYPE I, 36" X 50 YDS
- 749603 - REFLECTIVE SHEETING, TYPE I, 42" X 50 YDS
- 749604 - REFLECTIVE SHEETING, TYPE I, 48" X 50 YDS
- 749605 - REFLECTIVE SHEETING, TYPE IX, FLUORESCENT, 24" X 50 YDS
- 749606 - REFLECTIVE SHEETING, TYPE IX, FLUORESCENT, 30" X 50 YDS
- 749607 - REFLECTIVE SHEETING, TYPE IX, FLUORESCENT, 36" X 50 YDS
- 749608 - REFLECTIVE SHEETING, TYPE IX, FLUORESCENT, 42" X 50 YDS
- 749609 - REFLECTIVE SHEETING, TYPE IX, FLUORESCENT, 48" X 50 YDS
- 749610 - REFLECTIVE SHEETING, TYPE IV, 24" X 50 YDS
- 749611 - REFLECTIVE SHEETING, TYPE IV, 30" X 50 YDS
- 749612 - REFLECTIVE SHEETING, TYPE IV, 36" X 50 YDS
- 749613 - REFLECTIVE SHEETING, TYPE IV, 42" X 50 YDS
- 749614 - REFLECTIVE SHEETING, TYPE IV, 48" X 50 YDS
- 749615 - REFLECTIVE SHEETING, TYPE IX, 24" X 50 YDS
- 749616 - REFLECTIVE SHEETING, TYPE IX, 30" X 50 YDS
- 749617 - REFLECTIVE SHEETING, TYPE IX, 36" X 50 YDS
- 749618 - REFLECTIVE SHEETING, TYPE IX, 42" X 50 YDS
- 749619 - REFLECTIVE SHEETING, TYPE IX, 48" X 50 YDS
- 749620 - STOP AHEAD SIGN FACE (SYMBOL), TYPE IV, 36" X 36", W3-1
- 749621 - STOP AHEAD SIGN FACE (SYMBOL), TYPE IV, 48" X 48", W3-1
- 749622 - SIGNAL AHEAD SIGN FACE (SYMBOL), TYPE IV, 36" X 36", W3-3
- 749623 - SIGNAL AHEAD SIGN FACE (SYMBOL), TYPE IV, 48" X 48", W3-3
- 749624 - INTERSTATE BLANK SIGN FACE, TYPE IV, 24" X 24", M1-1
- 749625 - INTERSTATE BLANK SIGN FACE, TYPE IV, 30" X 24", M1-1
- 749626 - STOP SIGN FACE, TYPE IX, 30" X 30", R1-1
- 749627 - STOP SIGN FACE, TYPE IX, 36" X 36", R1-1
- 749628 - STOP SIGN FACE, TYPE IX, 48" X 48", R1-1
- 749629 - YIELD SIGN FACE, TYPE IX, 36" X 36", R1-2
- 749630 - DO NOT ENTER SIGN FACE, TYPE IX, 30" X 30", R5-1
- 749631 - WRONG WAY SIGN FACE, TYPE IX, 36" X 24", R5-1A
- 749632 - REFLECTIVE VEHICLE CONSPICUITY MARKING, TYPE IX, RED/WHITE, 4" X 50 YDS
- 749633 - NON-REFLECTIVE SHEETING, BLACK, 36" X 50 YDS
- 749634 - OPAQUE SCREEN PRINTING INK, BLACK, 1 GALLON
- 749635 - TRANSPARENT SCREEN PRINTING INK, GREEN, 1 GALLON
- 749636 - TRANSPARENT SCREEN PRINTING INK, BLUE, 1 GALLON
- 749637 - TRANSPARENT SCREEN PRINTING INK, YELLOW, 1 GALLON
- 749638 - TRANSPARENT SCREEN PRINTING INK, BROWN, 1 GALLON
- 749639 - TONER, 1 GALLON

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- 749696 - STOP SIGN FACE, TYPE IX, 60" X 60", R1-1
- 749697 - YIELD SIGN FACE, TYPE IX, 48" X 48", R1-2
- 749698 - YIELD SIGN FACE, TYPE IX, 60" X 60", R1-2
- 749699 - REFLECTIVE VEHICLE CONSPICUITY MARKING, TYPE IX, RED/WHITE, 2" X 50 YDS
- 749737 - REBOUNDABLE SHEETING, FLUORESCENT ORANGE/WHITE, 4" X 50 YDS
- 749738 - REBOUNDABLE SHEETING, FLUORESCENT ORANGE/WHITE, 6" X 50 YDS
- 749739 - NON-REFLECTIVE SHEETING, BLACK, 24" X 50 YDS
- 749740 - NON-REFLECTIVE SHEETING, BLACK, 30" X 50 YDS
- 749741 - NON-REFLECTIVE SHEETING, BLACK, 48" X 50 YDS
- 749742 - TRANSPARENT OVERLAY FILM, 24" X 50 YDS
- 749743 - TRANSPARENT OVERLAY FILM, 30" X 50 YDS
- 749744 - TRANSPARENT OVERLAY FILM, 36" X 50 YDS
- 749745 - TRANSPARENT OVERLAY FILM, 48" X 50 YDS
- 749746 - DECAL MATERIAL, 24" X 50 YDS
- 749747 - DECAL MATERIAL, 30" X 50 YDS
- 749748 - DECAL MATERIAL, 36" X 50 YDS
- 749749 - DECAL MATERIAL, 48" X 50 YDS
- 749750 - TRANSFER TAPE MATERIAL, 24" X 50 YDS
- 749751 - TRANSFER TAPE MATERIAL, 30" X 50 YDS
- 749752 - TRANSFER TAPE MATERIAL, 36" X 50 YDS
- 749753 - TRANSFER TAPE MATERIAL, 48" X 50 YDS
- 749754 - ANTI-GRAFFITI MATERIAL, 36" X 50 YDS
- 749755 - LINER PAPER, 24" X 50 YDS
- 749756 - LINER PAPER, 30" X 50 YDS
- 749757 - LINER PAPER, 36" X 50 YDS
- 749758 - LINER PAPER, 48" X 50 YDS
- 749759 - TRANSPARENT SCREEN PRINTING INK, RED, 1 GALLON

Material Specification:

1.0 Scope:

This specification covers flexible white or colored, wide angle retroreflective sheeting (hereinafter called sheeting), tape and related processing materials designed to enhance nighttime visibility of traffic control signs and objects. Type I sheeting shall consist of enclosed glass bead lens (Type I) adhered to a synthetic resin and encapsulated by a flexible transparent plastic that has a smooth outer surface. Type IV and Type IX sheetings shall consist of prismatic lens elements.

The sheeting shall be part of a family of matched component products required for the manufacture and imaging of permanent traffic control signs as described in section 4. Only section 2.0, section 6.2.4, section 6.4 and section 7.2.1 cover printed colored areas of signs.

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Product Warranty Bond:

The contractor shall furnish, in addition to the Contract performance and payment bond, as required in Subsection 103.05 of the Standard Specifications, a supplemental performance and payment bond to the Department. The bond is to secure the performance by the Contractor to correction work on any defects that the Contractor is directed by the Department to perform following initial inspection and shall force the period covering the warranty. The bond shall be in an amount equal to the maximum warranty penalties allowed on the volume of materials estimated for purchase. Should actual purchases during the contract period exceed the amounts estimated, the vendor will be required to increase the bond to cover the additional liability.

2.0 Performance History:

The sheeting manufacturer shall provide test data showing that representative combined production material (sheeting and process inks) of the type to be supplied has met the requirements for 36 months for Type IV and IX, and 24 months for Type I of accelerated outdoor weathering described in section 6.10.

All bidders must provide a minimum of three (3) years' data from the National Transportation Product Evaluation program (NTPEP) results on weathering for both sheeting and inks.

3.0 Classification and Conformance:

All sheetings shall conform to FP-96, AASHTO M 268 and ASTM D 4956 adhesive Class 1.

3.1 Sheeting is intended for shop production of new stationary traffic control signs or objects, exclusive of those used for construction and maintenance work zones.

3.1.1 The sheeting shall have a precoated pressure sensitive adhesive (Class 1). An easily removable liner shall protect the adhesive class.

4.0 Additional Items:

4.1 Process Inks:

4.1.1 The process inks will be required in standard traffic colors, clears and thinners recommended for the sheeting to meet the performance requirements of this specification. The sheeting manufacturer shall further be responsible for technical assistance in the use of these inks in accordance with Section 8, below.

4.1.2 The process colors shall be a single line of traffic colors which: may be applied before and after sheeting is applied to a substrate; require no component premixing; and will air dry for packing in 3 hours or less.

4.1.3 The sheeting manufacturer shall, upon request, provide custom color match formulas from the ink series within 7 days at no charge to the agency.

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4.2 Liner Paper:

4.2.1 Liner paper for use in packaging, storing or shipping. Liner paper shall be in rolls of equal square footage and in the same widths as the sign sheeting. The Liner paper is glossy, non-stick on one side and plain paper on the other.

4.3 Transfer Tape:

4.3.1 A transparent tape designed to be used to transfer prepositioned copy. Tape has a low tack pressure sensitive adhesive. Transfer film shall be in rolls of equal square footage and in the same widths as the sign sheeting

4.4 Transparent Colored Overlay film:

4.4.1 A transparent, colored film used for application over reflective sheeting. Film has pressure sensitive adhesive and used with electronic cutting machines. The overlay film shall be in rolls of equal square footage and in the same widths as the sign sheeting.

4.5 Decal material: (Minimum Type I)

4.5.1 A white reflective sheeting designed for screen and digital printing for use on fleet markings. Film has pressure sensitive adhesive and used with electronic cutting machines. Decal material shall be in rolls of equal square footage and in the same widths as the sign sheeting.

4.6 Reboundable Sheeting:

4.6.1 A prismatic white and fluorescent orange sheeting used to mark traffic control devices used in construction zones.

4.7 Anti Graffiti Material:

4.7.1 A clear protective overlay film designed to protect finished the face of a sign from paint and other foreign materials. It should not affect the performance of the sign sheeting of the sign.

5.0 Test Panels and Test Conditions:

Unless otherwise specified herein, sheeting shall be supplied to test panels in accordance with ASTM D 4956 section 7.

6.0 Requirements:

6.1 Color Requirements. Color shall be as specified and shall conform to the requirements of Table I. Conformance to color requirements shall be determined spectrophotometrically

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in accordance with ASTM E 1164, with instruments utilizing either 45/0, or 0/45 illumination/viewing conditions and tolerances as described in ASTM E 1164 for retroreflective materials. CIE Tristimulus values for the 2° observer and illuminant D65 shall be calculated in accordance with ASTM E 308.

Table I Type I										
Color Specification Limits* and Reference Standards										
									Daytime Luminance Factor (Y _T %) Limit (y)	
Color	<u>x</u>	<u>y</u>	<u>x</u>	<u>y</u>	<u>x</u>	<u>y</u>	<u>x</u>	<u>y</u>	Min.	Max.
White	.303	.300	.368	.366	.340	.393	.274	.329	27.0	-
Yellow	.498	.412	.557	.442	.479	.520	.438	.472	15.0	40.0
Red	.648	.351	.735	.265	.629	.281	.565	.346	2.5	12.0
Blue	.140	.035	.244	.210	.190	.255	.065	.216	1.0	10.0
Brown	.430	.340	.610	.390	.550	.450	.430	.390	4.0	9.0
Green	.026	.399	.166	.364	.286	.446	.207	.771	3.0	9.0

Table I Type IV										
Color Specification Limits* and Reference Standards										
									Daytime Luminance Factor (Y _T %) Limit (y)	
Color	<u>x</u>	<u>y</u>	<u>x</u>	<u>y</u>	<u>x</u>	<u>y</u>	<u>x</u>	<u>y</u>	Min.	Max.
White	.303	.300	.368	.366	.340	.393	.274	.329	40.0	-
Yellow	.498	.412	.557	.442	.479	.520	.438	.472	24.0	45.0
Red	.648	.351	.735	.265	.629	.281	.565	.346	3.0	12.0
Blue	.140	.035	.244	.210	.190	.255	.065	.216	1.0	10.0
Green	.026	.399	.166	.364	.286	.446	.207	.771	3.0	12.0

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Table I Type IX										
Color Specification Limits* and Reference Standards										
Color	\underline{x}	\underline{y}	\underline{x}	\underline{y}	\underline{x}	\underline{y}	\underline{x}	\underline{y}	Reflective Limit (y)	
									Min.	Max.
White	.303	.300	.368	.366	.340	.393	.274	.329	40.0	-
Yellow	.498	.412	.557	.442	.479	.520	.438	.472	24.0	45.0
Red	.648	.351	.735	.265	.629	.281	.565	.346	3	15
Blue	.140	.035	.244	.210	.190	.255	.065	.216	1.0	10.0
Green	.026	.399	.369	.546	.428	.496	.460	.540	3.0	9.0
*Florescent Yellow/Green	.387	.610	.369	.546	.428	.496	.460	.540	60.0	
*Florescent Yellow	.479	.520	.446	.483	.512	.421	.557	.442	45.0	

* The four pairs of chromaticity coordinates determine the acceptable color in terms of the CIE 1931 standard colorimetric system measured with standard illumination Source D65.

6.1.1 Fluorescence Requirements:

6.1.2 Fluorescence Test. Conformance to fluorescence luminance factor requirements in Table II and IV shall be determined instrumentally, on sheeting applied to aluminum test panels, using a 2-monochromator spectrophotometer employing annular 45/0 (or equivalent 0/45) illuminating and viewing geometry.¹ The fluorescence luminance factor shall be calculated from the fluorescence spectral radiance factors computed for CIE illuminant D65 in accordance with ASTM E-308 "Practice for Computing the Colors of Objects by Using the CIE System" for the CIE 1931 (2°) standard colorimetric observer. The measurements shall be made on a Labsphere BFC-450 Bispectral Fluorescence Colorimeter or equivalent.

Table II	
Minimum Fluorescence Luminance Factor - New Sheeting	
Sheeting Type	Fluorescent Luminance Factor Limit, Y _F
	Min.
Fluorescence Yellow/Green	35%
Fluorescence Yellow	25%

¹ "Principles of Bispectral Fluorescence Colorimetry" by Jim Leland, N. Johnson, and A. Arcchi, Proceedings of SPIE - The International Society for Optical Engineering: Vol. 3140, pp. 76-87 (1997).

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- 6.2 Coefficient of Retroreflection: The coefficients of Retroreflection shall be determined in accordance with ASTM E-810, for the minimum requirements of Table III.
- 6.2.1 Units: Coefficients of Retroreflection shall be specified in units of candelas per foot-candle per square foot.
- 6.2.2 The observation angles for Type I and Type IV shall be 0.2° and 0.5°. Type IX shall utilize 0.2°, 0.5° and 1.0°.
- 6.2.3 The entrance angles for Type I, Type IV and Type IX shall be -4° and 30°.
- 6.2.4 For screen printed transparent colored areas on white sheeting, the coefficients of retroreflection shall not be less than 70% of the values for corresponding color in Table III.
- 6.3 Specular Gloss: The retroreflective sheeting shall have an 85° specular gloss of not less than 40 when tested in accordance with ASTM D 523.

Table III Type I Minimum Coefficient of Retroreflection (cd/lux/m ²)								
Observation Angle	Entrance Angle	White	Yellow	Orange	Green	Red	Blue	Brown
.2	-4	70	50	25	9	14	4	1
.2	30	30	22	7	3.5	6	1.7	.3
.5	-4	30	25	13	4.5	7.5	2	.3
.5	40	15	13	4	2.2	3	.8	.2

Table III Type IV Minimum Coefficient of Retroreflection (cd/lux/m ²)								
Observation Angle	Entrance Angle	White	Yellow	Orange	Green	Red	Blue	Brown
.2	-4	360	270	145	50	65	30	18
.2	30	170	135	68	25	30	14	8.5
.5	-4	150	110	60	21	27	13	7.5
.5	30	72	54	28	10	13	6	3.5

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Table III Type IX Minimum Coefficient of Retroreflection (cd/lux/m ²)										
Observation Angle	Entrance Angle	White	Yellow	Orange	Green	Red	Blue	FYG	FY	FO
.2	-4	380	285	145	38	76	17	300	230	115
.2	30	215	162	82	22	43	10	170	130	65
.5	-4	240	180	90	24	48	11	190	145	72
.5	30	135	100	50	145	275	6	110	81	41
1.0	-4	80	60	30	8	16	3.6	64	48	24
1.0	30	45	34	17	4.5	9	2	36	27	14

- 6.4 **Color Processing:** The retroreflective sheeting shall be designed to work in concert with recommended imaging systems. Color processing with compatible transparent and opaque process colors shall be possible in accordance with the sheeting manufacture's recommendation at temperatures of 60 to 100°F (16-38° C) and relative humidity of 20 to 80%. The sheeting shall be heat resistant and permit force without staining of applied or unapplied sheeting at temperatures recommended by the sheeting manufacturer.
- 6.5 **Shrinkage:** The retroreflective sheeting shall comply with the shrinkage requirements contained in ASTM D 4956 section 6.6.
- 6.6 **Flexibility:** The retroreflective sheeting shall comply with the shrinkage requirements contained in ASTM D 4956 section 6.7.
- 6.7 **Adhesive:** The retroreflective sheeting shall comply with the liner removal and adhesion requirements contained in ASTM D 4956 sections 6.8 and 6.9.
- 6.8 **Impact Resistance:** The retroreflective sheeting shall comply with the shrinkage requirements contained in ASTM D 4956 section 6.10.
- 6.9 **Resistance to Accelerated Weathering:** The retroreflective surface of the sheeting shall be weather resistant and show no appreciable cracking, blistering, crazing or dimensional change after three years (Level 3,) unprotected outdoor exposure conducted according to ASTM Practice G7 and inclined at 45° from the horizontal facing the equator. After cleaning, the coefficient of Retroreflection shall not be less than 80% of (Level 3), of the values in Table III and the colors shall conform to paragraph 6.10, 6.11, and Table IV.

Following weather exposure, gently wash panels using a soft cloth or sponge and clean water or a dilute solution (1% by weight in water, maximum concentration) of a mild detergent. After washing, rinse thoroughly with clean water and blot dry with a soft clean cloth. After washing and drying, condition the panels at room temperature for at least two hours prior to conducting any property measurements.

- 6.9.1 Shows "good" color fastness or better when tested as in 6.10.
- 6.9.2 Shows no appreciable evidence of cracking, scaling, pitting, blistering, edge lifting or curling or more than 1/32-inch (0.08 cm) shrinkage or expansion.

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6.9.3 Retain not less than 10% (Type IX) of the coefficient of retroreflection values specified in Table III.

Retroreflective performance measurements after weather exposure shall be made at all observation and entrance angles. Sheeting shall be measured using the average values at 0° & 90° rotation (Level 3). Where more than one panel of a color is measured, the coefficient of retroreflection shall be the average of all the determinations.

6.9.4 Not be removable from the aluminum panels without damage

6.10 Colorfastness

One specimen, exposed and prepared as specified in 6.9 shall be wet out with a mild detergent and water solution and compared with a similarly treated unexposed specimen under natural (North sky) daylight or artificial daylight having a color temperature of 7600° Kelvin. The colorfastness shall be evaluated as follows:

- Excellent - no perceptible change in color
- Good - perceptible but no appreciable change in color
- Fair - appreciable change in color.

Appreciable change in color means a change that is immediately noticeable in comparing the exposed specimen with the original comparison specimen. If closer inspection or a change of angle of light is required to make apparent a slight change in color, the change is not appreciable.

Table IV Minimum Fluorescence Luminance Factor (All measurements shall be made after cleaning according to manufacturer's recommendations)			
Color	Warranty Period	Minimum Fluorescence Luminance Factor Y _F %	Minimum Total Luminance Factor Y%
Fluorescent Yellow/Green	10 Years	20%	35%
Fluorescent Yellow	10 Years	20%	35%

6.11 Fungus resistance: The retroreflective sheeting shall comply with the supplementary requirements contained in section S1 of ASTM D 4956.

6.12 Resistance to Corrosion. The retroreflective sheeting applied to a test panel and conditioned as in 5.1, shall show no loss of adhesion, appreciable discoloration or corrosion and after cleaning shall retain a minimum of 80% of the original coefficient of Retroreflection when measured at 0.2° observation, -4° entrance and 0° rotation angles

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after 1000 hours exposure to a 5% concentration salt spray at 35°C (95°F) when tested in accordance with ASTM B 117.

- 6.13 General Characteristics and Packaging: The retroreflective sheeting as supplied shall of good appearance, free from ragged edges, cracks and extraneous materials and shall be furnished in either rolls or sheets.

When furnished in continuous rolls, the number of splices shall not be more than two per 50 yards (45.7 m) of material, with a maximum of three pieces in any 50 yard (45.7 m) length. Splices shall be butted or overlapped and shall be suitable for continuous application as furnished.

The sheeting shall be packaged in accordance with commercially accepted standards. Each carton shall clearly stipulate the brand, quantity, size, lot or run number, color and type adhesive. Stored under normal conditions the retroreflective sheeting as furnished shall be suitable for use for a minimum period of one year.

7.0 Performance Requirements and Obligations:

7.1 Certification

The sheeting manufacturer shall submit with each lot or shipment, a certification that states the material supplied will meet all the requirements listed herein.

7.2 Field Performance Requirements

- 7.2.1 The retroreflective sheeting will be considered unsatisfactory if it has deteriorated due to natural causes to the extent that: (1) the sign is ineffective for its intended purpose when viewed from a moving vehicle under normal day and night driving conditions; or (2) the coefficient of retroreflection is less than the minimum specified for that sheeting during that period listed.

Type I: 50% of values listed in Table III Type I years 1-7.

Type IV: 80% of values listed in Table III Type IV years 1-7 and
70% of values listed in Table III Type IV years 8-10.

Type IX: 100% of values listed in Table III Type IX years 1-7 and
80% of values listed in Table III Type IX years 8-12.

Type IX: Fluorescent Yellow and Yellow-Green
80% of values listed in Table III years 1-7 and
70% of values listed in Table III years 8-10.

Type IX: Fluorescent Orange
80% of values listed in Table III years 1-3.

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Failure of process inks or overlay films provided and/or sold for use on recommended sheeting shall constitute a failure of entire sign and shall be replaced under manufacturer's replacement obligation (7.3).

For screen printed transparent colored areas or transparent colored overlay films on white sheeting, the coefficients of retroreflection shall not be less than 70% of the values for the corresponding color in table III. (Type I and IV) For Level III, the ratios of the R_A for the white to the R_A for the color, when measured at 0.2° observation, -4° entrance, and 0° rotation, shall be 5:1 to 15:1 for the red, and not less than 5:1 for blue and green.

All measurements shall be made after sign cleaning according to sheeting manufacturer's recommendations.

7.3 Sheeting Manufacturer's Replacement Obligation:

Where it can be shown that retroreflective signs supplied and used according to the sheeting manufacturer's recommendations, have not met the performance requirements of Section 7.2, the sheeting manufacturer shall cover restoration costs as follows for sheetings shown to be unsatisfactory during:

- 7.3.1 The entire 12 years (Type IX), 10 years (Type IX FYG and FY, Type IV) and 7 years (Type I): the sheeting manufacturer will replace the sheeting required to restore the sign surface to its original effectiveness.
- 7.3.2 In addition, during the first 7 years (Type IX, Type IX FYG and FY, Type IV) the sheeting manufacturer will cover the cost of restoring the sign surface to its original effectiveness at no cost to the using Agency for materials and labor.

7.4 Government Using Agency Obligation

The using Agency shall be responsible for requiring the dating of all signs at the time of application. That date constitutes the start of the field performance obligation period.

8.0 Technical Assistance Requirement:

The manufacturer supplying the retroreflective sheeting requirements shall provide at no charge the services of a qualified technician for instruction and training at the primary sign manufacturing facility designated by the Agency. This instruction shall be provided biannually and at the request of the Agency. Instruction shall include but not be limited to training films, material application, equipment operation, silk screening techniques, packaging, storage, and other proven sign shop practices as they apply to the reflective sheeting supplied by the manufacturer, and to assure that the resulting signs can comply with the applicable specifications.

Additional on-site technical assistance by the manufacturer supplying the retroreflective sheeting shall be provided at each of the sign shops designated in the bid invitation. This assistance shall be provided annually and at the request of the Agency.

STATE OF DELAWARE
Department of Transportation
Contract Administration

The sheeting manufacturer shall, without additional cost to the Agency, provide the sign shops with competent technical service and product information, including service on screen printing problems with the inks furnished or recommended by the manufacturer for their sheeting. The manufacturer supplying the retroreflective sheeting shall provide technical assistance for their recommended sheeting application equipment. The manufacturer shall certify that trained personnel will be available on 72 hours notice to render such service to facilitate the manufacture of finished signs. "Service" is understood to mean the capability of calibration and troubleshooting, as well as the training and retraining of personnel as required. In addition, a manufacturer's representative shall be available on site within 24-hour notice to assess and advise on any manufacturing difficulty that arises.

9.0 Reflective Vehicle Conspicuity Markings:

Vehicle Conspicuity Markings shall be prismatic, wide angle, color retroreflective sheeting designed to enhance both day and night visibility and detection of vehicles. The highly reflective sheeting shall consist of prismatic lenses formed in a durable transparent resin backed with an aggressive pressure sensitive adhesive and protective liner. Retroreflectance of Markings shall conform to the following table:

Minimum Coefficient of Retroreflection (Candelas per lux per meter squared) (0 and 90° Orientation)			
Observation Angle (°)	Entrance Angle (°)	White	Red
0.2	-4	600	120
0.2	+30	300	70
0.2	+45	90	20
0.2	+65	20	5
0.5	-4	250	50
0.5	+30	120	20
0.5	+45	45	10
0.5	+65	10	2

Color Specifications Limits* (Daytime)										
Color	1		2		3		4		Reflective Limit Y(%)	
	X	Y	X	Y	X	Y	X	Y	Min	Max.
White	0.305	0.305	0.355	0.355	0.355	0.375	0.285	0.325	40	-
Red	0.690	0.310	0.595	0.315	0.569	0.341	0.655	0.345	3	15

10.0 Applicable Documents:

The following documents, of the issues in effect on the date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein.

STATE OF DELAWARE
Department of Transportation
Contract Administration

10.1 ASTM Standards

10.1.1 B 209 Specification for Aluminum and Aluminum Alloy Sheet and Plate.

10.1.2 D 523 Standard Method for Test for Specular Gloss.

10.1.3 D 4956 Standard Specification for Retroreflective Sheeting for Traffic Control.

10.1.4 E 284 Standard Definition of terms Relating to Appearance of Materials.

10.1.5 E 308 Standard Method for computing the colors of objects by using the CIE system.

10.1.6 E 810 Standard Test Method for Coefficient of Retroreflection of Retroreflective Sheeting.

10.1.7 E 1164 Standard Practice for obtaining spectrophotometric data for object color evaluation.

10.2 Other Standards

10.2.1 AASHTO M 268 Standard Specification for Retroreflective Sheeting for Traffic Control

10.2.2 FHWA FP-96 Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects

10.2.3 National Product Evaluation Program (NTPEP) testing results.

5/15/12

STATE OF DELAWARE
Department of Transportation
Contract Administration

BID QUOTATION REPLY SECTION

CONTRACT NO. **DOT1220-REFLECTIVE_SHT**

SUPPLY OF REFLECTIVE SIGN SHEETING

Please fill out the attached forms fully and completely and return with your bid in a sealed envelope clearly displaying the contract number to the Department of Transportation / Contract Administration by July 17, 2012, 2:00 p.m. local time at which time bids will be opened.

Bids shall be submitted to:

**STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
CONTRACT ADMINISTRATION
800 BAY ROAD
DOVER, DE 19901**

PUBLIC BID OPENINGS

The public bid opening insures the citizens of Delaware that contracts are being bid fairly on a competitive basis and comply with Delaware procurement laws. The agency conducting the opening is required by law to publicly open the bids at the time and place specified and the contract shall be awarded within thirty (30) days thereafter. The main purpose of the bid opening is to reveal the name(s) of the bidders(s), not to serve as a forum for determining the apparent low bidders. The disclosure of additional information, including prices, shall be at the discretion of the contracting agency until such time that the responsiveness of each bid has been determined.

After receipt of a fully executed contract(s), the Delaware public and all bidders are invited to make an appointment with the contracting officer in order to review pricing and other non-confidential information.

ATTACHMENT 1

STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
CONTRACT ADMINISTRATION
800 BAY ROAD
DOVER, DE 19901

NO BID REPLY FORM

BID # DOT1220-REFLECTIVE_SHT
BID TITLE: SUPPLY OF REFLECTIVE SIGN SHEETING

To assist us in obtaining good competition on our Request for Bids, we ask that each firm that has received an invitation, but does not wish to bid, state their reason(s) below and return in a clearly marked envelope displaying the contract number. This information will not preclude receipt of future invitations unless you request removal from the Bidder's List by so indicating below, or do not return this form or bona fide bid.

Unfortunately, we must offer a "No Bid" at this time because:

- _____ 1. We do not wish to participate in the bid process.
- _____ 2. We do not wish to bid under the terms and conditions of the Request for Bid document. Our objections are:

- _____ 3. We do not feel we can be competitive.
- _____ 4. We cannot submit a Bid because of the marketing or franchising policies of the manufacturing company.
- _____ 5. We do not wish to sell to the State. Our objections are: _____

- _____ 6. We do not sell the items/services on which Bids are requested.
- _____ 7. Other: _____

FIRM NAME

SIGNATURE

- _____ We wish to remain on the Bidder's List **for these goods or services.**
- _____ We wish to be deleted from the Bidder's List **for these goods or services.**

ATTACHMENT 2

CONTRACT NO.: DOT1220-REFLECTIVE_SHT
TITLE: SUPPLY OF REFLECTIVE SIGN SHEETING

OPENING DATE: July 17, 2012

BIDDER'S INFORMATION

NOTE: Signature of the authorized representative **MUST** be of an individual who legally may enter his/her organization into a formal contract with the State of Delaware, Government Support Services.

COMPANY NAME _____ (Check one)

<input type="checkbox"/>	Corporation
<input type="checkbox"/>	Partnership
<input type="checkbox"/>	Individual

COMPANY ADDRESS _____

PHONE NUMBER _____ FAX NUMBER _____

EMAIL ADDRESS _____

FEDERAL E.I. NUMBER _____ STATE OF DELAWARE LICENSE NUMBER _____

COMPANY CLASSIFICATIONS: CERT. NO.	(circle one)		(circle one)		(circle one)	
	<u>Women Business Enterprise (WBE)</u>	Yes No	<u>Minority Business Enterprise (MBE)</u>	Yes No	<u>Disadvantaged Business Enterprise (DBE)</u>	Yes No

[The above table is for information and statistical use only.]

PURCHASE ORDERS SHOULD BE SENT TO:
 (COMPANY NAME) _____

ADDRESS _____

CONTACT _____

PHONE NUMBER _____ FAX NUMBER _____

EMAIL ADDRESS _____

AFFIRMATION: Within the past five years, has your firm, any affiliate, any predecessor company or entity, owner, Director, officer, partner or proprietor been the subject of a Federal, State, Local government suspension or debarment?

YES _____ NO _____ if yes, please explain _____

NAME OF AUTHORIZED REPRESENTATIVE
 (Please type or print) _____

SIGNATURE _____ TITLE _____

ATTACHMENT 3

BID PROPOSAL FORMS

CONTRACT _DOT1220-REFLECTIVE_SHT

STATE OF DELAWARE
Office of Management and Budget
Government Support Services

DELAWARE DEPARTMENT OF TRANSPORTATION
SCHEDULE OF ITEMS

PAGE: 1
DATE:

CONTRACT ID: DOT1220-REFLECTIVE_SHT PROJECT(S): DOT1220-REFLECTIVE_SHT

All figures must be typewritten.

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS

SECTION 0001 SIGN SHEETING						

0010	749600 REFLECTIVE SHEETING, TYPE I, 24" X 50 YD	EACH	25.000			

0020	749601 REFLECTIVE SHEETING, TYPE I, 30" X 50 YD	EACH	25.000			

0030	749602 REFLECTIVE SHEETING, TYPE I, 36" X 50 YD	EACH	15.000			

0040	749603 REFLECTIVE SHEETING, TYPE I, 42" X 50 YD	EACH	10.000			

0050	749604 REFLECTIVE SHEETING, TYPE I, 48" X 50 YD	EACH	10.000			

0060	749605 REFLECTIVE SHEETING, TYPE IX, FLUORESCENT, 24" X 50 YDS	EACH	15.000			

0070	749606 REFLECTIVE SHEETING, TYPE IX, FLUORESCENT, 30" X 50YDS	EACH	12.000			

0080	749607 REFLECTIVE SHEETING, TYPE IX, FLUORESCENT, 36" X 50YDS	EACH	15.000			

DELAWARE DEPARTMENT OF TRANSPORTATION
SCHEDULE OF ITEMS

PAGE: 2
DATE:

CONTRACT ID: DOT1220-REFLECTIVE_SHT PROJECT(S): DOT1220-REFLECTIVE_SHT

All figures must be typewritten.

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0090	749608 REFLECTIVE SHEETING, TYPE IX, FLUORESCENT, 42" X 50 YDS	10.000 EACH				
0100	749609 REFLECTIVE SHEETING, TYPE IX, FLUORESCENT, 48" X 50 YDS	15.000 EACH				
0110	749610 REFLECTIVE SHEETING, TYPE IV, 24" X 50 YD	100.000 EACH				
0120	749611 REFLECTIVE SHEETING, TYPE IV, 30" X 50 YD	75.000 EACH				
0130	749612 REFLECTIVE SHEETING, TYPE IV, 36" X 50 YD	75.000 EACH				
0140	749613 REFLECTIVE SHEETING, TYPE IV, 42" X 50 YD	50.000 EACH				
0150	749614 REFLECTIVE SHEETING, TYPE IV, 48" X 50 YD	75.000 EACH				
0160	749615 REFLECTIVE SHEETING, TYPE IX, 24" X 50 YD	35.000 EACH				
0170	749616 REFLECTIVE SHEETING, TYPE IX, 30" X 50YDS	35.000 EACH				
0180	749617 REFLECTIVE SHEETING, TYPE IX, 36" X 50YDS	35.000 EACH				

DELAWARE DEPARTMENT OF TRANSPORTATION
SCHEDULE OF ITEMS

PAGE: 3
DATE:

CONTRACT ID: DOT1220-REFLECTIVE_SHT PROJECT(S): DOT1220-REFLECTIVE_SHT

All figures must be typewritten.

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0190	749618 REFLECTIVE SHEETING, TYPE IX, 42" X 50YD	20.000 EACH				
0200	749619 REFLECTIVE SHEETING, TYPE IX, 48" X 50YD	20.000 EACH				
0210	749620 STOP AHEAD SIGN FACE (SYMBOL), TYPE IV, 36" X 36", W3-1	25.000 EACH				
0220	749621 STOP AHEAD SIGN FACE (SYMBOL), TYPE IV, 48" X 48", W3-1	25.000 EACH				
0230	749622 SIGNAL AHEAD SIGN FACE (SYMBOL), TYPE IV, 36"X36", W3-3	50.000 EACH				
0240	749623 SIGNAL AHEAD SIGN FACE (SYMBOL), TYPE IV, 48"X48", W3-3	25.000 EACH				
0250	749624 INTERSTATE BLANK SIGN FACE, TYPE IV, 24" X 24", M1-1	25.000 EACH				
0260	749625 INTERSTATE BLANK SIGN FACE, TYPE IV, 30" X 24", M1-1	25.000 EACH				
0270	749626 STOP SIGN FACE, TYPE IX, 30" X 30", R1-1	500.000 EACH				
0280	749627 STOP SIGN FACE, TYPE IX, 36" X 36", R1-1	200.000 EACH				

DELAWARE DEPARTMENT OF TRANSPORTATION
SCHEDULE OF ITEMS

PAGE: 4
DATE:

CONTRACT ID: DOT1220-REFLECTIVE_SHT PROJECT(S): DOT1220-REFLECTIVE_SHT

All figures must be typewritten.

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0290	749628 STOP SIGN FACE, TYPE IX, 48" X 48", R1-1	50.000 EACH				
0300	749629 YIELD SIGN FACE, TYPE IX, 36" X 36", R1-2	250.000 EACH				
0310	749630 DO NOT ENTER SIGN FACE, TYPE IX, 30" X 30", R5-1	150.000 EACH				
0320	749631 WRONG WAY SIGN FACE, TYPE IX, 36" X 24", R5-1A	150.000 EACH				
0330	749632 REFLECTIVE VEHHCLE CONSPICUITY MARKING, TYPE IX, RED/WHITE, 4" X 50 YDS	10.000 EACH				
0340	749633 NON-REFLECTIVE SHEETING, BLACK, 36" X 50 YDS	10.000 EACH				
0350	749634 OPAQUE SCREEN PRINTING INK, BLACK, 1 GALLON	10.000 EACH				
0360	749635 TRANSPARENT SCREEN PRINTING INK, GREEN, 1 GALLON	10.000 EACH				
0370	749636 TRANSPARENT SCREEN PRINTING INK, BLUE, 1 GALLON	10.000 EACH				
0380	749637 TRANSPARENT SCREEN PRINTING INK, YELLOW, 1 GALLON	10.000 EACH				

DELAWARE DEPARTMENT OF TRANSPORTATION
SCHEDULE OF ITEMS

PAGE: 5
DATE:

CONTRACT ID: DOT1220-REFLECTIVE_SHT PROJECT(S): DOT1220-REFLECTIVE_SHT

All figures must be typewritten.

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0390	749638 TRANSPARENT SCREEN PRINTING INK, BROWN, 1 GALLON	EACH 10.000				
0400	749639 TONER, 1 GALLON	EACH 10.000				
0410	749696 STOP SIGN FACE, TYPE IX, 60" X 60", R1-1	EACH 50.000				
0420	749697 YIELD SIGN FACE, TYPE IX 48" X 48", R1-2	EACH 50.000				
0430	749698 YIELD SIGN FACE, TYPE IX 60" X 60", R1-2	EACH 50.000				
0440	749699 REFLECTIVE VEHICLE CONSPICUITY MARKING, TYPE IX, RED/WHITE, 2" X 50 YDS.	EACH 10.000				
0450	749737 REBOUNDABLE SHEETING, FLUORESCENT ORANGE/WHITE, 4" X 50 YDS	EACH 10.000				
0460	749738 REBOUNDABLE SHEETING, FLUORESCENT ORANGE/WHITE, 6" X 50 YDS	EACH 10.000				
0470	749739 NON-REFLECTIVE SHEETING, BLACK, 24" X 50 YDS	EACH 20.000				

DELAWARE DEPARTMENT OF TRANSPORTATION
SCHEDULE OF ITEMS

PAGE: 6
DATE:

CONTRACT ID: DOT1220-REFLECTIVE_SHT

PROJECT(S): DOT1220-REFLECTIVE_SHT

All figures must be typewritten.

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0480	749740 NON-REFLECTIVE SHEETING, BLACK, 30" X 50 YDS	20.000 EACH				
0490	749741 NON-REFLECTIVE SHEETING, BLACK, 48" X 50 YDS	10.000 EACH				
0500	749742 TRANSPARENT OVERLAY FILM, 24" X 50 YDS	20.000 EACH				
0510	749743 TRANSPARENT OVERLAY FILM, 30" X 50 YDS	20.000 EACH				
0520	749744 TRANSPARENT OVERLAY FILM, 36" X 50 YDS	20.000 EACH				
0530	749745 TRANSPARENT OVERLAY FILM, 48" X 50 YDS	20.000 EACH				
0540	749746 DECAL MATERIAL, 24" X 50 YDS	15.000 EACH				
0550	749747 DECAL MATERIAL, 30" X 50 YDS	15.000 EACH				
0560	749748 DECAL MATERIAL, 36" X 50 YDS	15.000 EACH				
0570	749749 DECAL MATERIAL, 48" X 50 YDS	10.000 EACH				

DELAWARE DEPARTMENT OF TRANSPORTATION
SCHEDULE OF ITEMS

PAGE: 7
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CONTRACT ID: DOT1220-REFLECTIVE_SHT

PROJECT(S): DOT1220-REFLECTIVE_SHT

All figures must be typewritten.

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0580	749750 TRANSFER TAPE, 24" X 50 YDS	20.000 EACH				
0590	749751 TRANSFER TAPE, 30" X 50 YDS	20.000 EACH				
0600	749752 TRANSFER TAPE, 36" X 50 YDS	20.000 EACH				
0610	749753 TRANSFER TAPE, 48" X 50 YDS	10.000 EACH				
0620	749754 ANTI GRAFFITI OVERLAY FILM, 36" X 50 YDS	10.000 EACH				
0630	749755 LINER PAPER, 24" X 50 YDS	10.000 EACH				
0640	749756 LINER PAPER, 30" X 50 YDS	10.000 EACH				
0650	749757 LINER PAPER, 36" X 50 YDS	10.000 EACH				
0660	749758 LINER PAPER, 48" X 50 YDS	10.000 EACH				
0670	749759 TRANSPARENT SCREEN PRINGING INK, RED, 1 GALLON	10.000 EACH				
	SECTION 0001 TOTAL					
	TOTAL BID					

ATTACHMENT 5

OMWBE Certification Application found here:

<http://gss.omb.delaware.gov/omwbe/certify.shtml>

State of Delaware

**Office of Minority and Women Business Enterprise
Certification Information**



Complete application and mail, email or fax to:

Office of Minority and Women Business Enterprise (OMWBE)
100 Enterprise Place, Suite 4 Dover, DE 19904 Telephone: (302) 857-4554 Fax: (302) 677-7086

Email: deomwbe@state.de.us

Web site: <http://gss.omb.delaware.gov/omwbe/index.shtml>

Link to Certification Application: <http://gss.omb.delaware.gov/omwbe/certify.shtml>

