



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 2

List View

General Information

Contact

Default Values

Discount

Document Information

Procurement Folder: 321334

Procurement Type: Central Master Agreement

Vendor ID: 000000164192 

Legal Name: ARROW SAFETY DEVICE CO

Alias/DBA:

Total Bid: \$16,050.00

Response Date: 07/25/2017 

Response Time: 13:13

SO Doc Code: CRFQ

SO Dept: 0803


SO Doc ID: DOT1800000002

Published Date: 7/10/17

Close Date: 7/25/17

Close Time: 13:30

Status: Closed

Solicitation Description: REFLECTORIZED TRAFFIC CONES 

Total of Header Attachments: 2

Total of All Attachments: 2



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

**State of West Virginia
 Solicitation Response**

Proc Folder : 321334
Solicitation Description : REFLECTORIZED TRAFFIC CONES
Proc Type : Central Master Agreement

| Date issued | Solicitation Closes | Solicitation Response | Version |
|-------------|------------------------|------------------------------|---------|
| | 2017-07-25 13:30:00 | SR 0803 ESR07251700000000277 | 1 |

| VENDOR |
|--|
| 000000164192 ARROW SAFETY DEVICE CO |

Solicitation Number: CRFQ 0803 DOT1800000002

Total Bid : \$16,050.00 **Response Date:** 2017-07-25 **Response Time:** 13:13:25

Comments:

FOR INFORMATION CONTACT THE BUYER
 Mark A Atkins
 (304) 558-2307
 mark.a.atkins@wv.gov

| | | |
|--------------------------|---------------|-------------|
| Signature on File | FEIN # | DATE |
|--------------------------|---------------|-------------|

All offers subject to all terms and conditions contained in this solicitation

| Line | Comm Ln Desc | Qty | Unit Issue | Unit Price | Ln Total Or Contract Amount |
|------|----------------------|-----------|------------|-------------|-----------------------------|
| 1 | 28 INCH TRAFFIC CONE | 300.00000 | EA | \$15.460000 | \$4,638.00 |

| Comm Code | Manufacturer | Specification | Model # |
|-----------|--------------|---------------|---------|
| 46161508 | | | |

Extended Description : SPECIFICATIONS: PHYSICAL PROPERTIES 28 "Traffic Cone:
 -Thickness (minimum), two (2) inches from bottom0.125-
 Total weight (minimum) 10 lbs -Base weight (minimum) 6 lbs -Base dimension (minimum)13-3/4 x 13-3/4 -
 Cone Diameter at Base (minimum)10. -Tensile Strength (minimum) 1000 PSI -
 Elongation (minimum) *200% -Tensile Strength at 200%Elongation 900PSI -

| Line | Comm Ln Desc | Qty | Unit Issue | Unit Price | Ln Total Or Contract Amount |
|------|----------------------|-----------|------------|-------------|-----------------------------|
| 2 | 36 INCH TRAFFIC CONE | 500.00000 | EA | \$16.680000 | \$8,340.00 |

| Comm Code | Manufacturer | Specification | Model # |
|-----------|--------------|---------------|---------|
| 46161508 | | | |

Extended Description : Thickness (minimum), two (2) inches from bottom 0.120
 Total weight (minimum) 12 lbs
 Base Weight (minimum) 6 lbs. 8 oz.
 Base Dimension (minimum) 15" x 15"
 Cone Diameter at Base (minimum) 10.50"

| Line | Comm Ln Desc | Qty | Unit Issue | Unit Price | Ln Total Or Contract Amount |
|------|----------------------|-----------|------------|-------------|-----------------------------|
| 3 | 28 INCH SLENDER CONE | 200.00000 | EA | \$15.360000 | \$3,072.00 |

| Comm Code | Manufacturer | Specification | Model # |
|-----------|--------------|---------------|---------|
| 46161508 | | | |

Extended Description : Thickness(minimum), two (2) inches from bottom 0.125
 Total Weight (minimum) 10 lbs
 Base Weight (minimum) 6 lbs
 Base Dimension (minimum) 14" x 14"
 Cone Diameter at Base 7.50" minimum 9.50" maximum

West Virginia Ethics Commission



Disclosure of Interested Parties to Contracts

Pursuant to W. Va. Code § 6D-1-2, a state agency may not enter into a contract, or a series of related contracts, that has/have an actual or estimated value of \$100,000 or more until the business entity submits to the contracting state agency a Disclosure of Interested Parties to the applicable contract. In addition, the business entity awarded a contract is obligated to submit a supplemental Disclosure of Interested Parties reflecting any new or differing interested parties to the contract within 30 days following the completion or termination of the applicable contract.

For purposes of complying with these requirements, the following definitions apply:

"Business entity" means any entity recognized by law through which business is conducted, including a sole proprietorship, partnership or corporation.

"Interested party" or *"Interested parties"* means:

- (1) A business entity performing work or service pursuant to, or in furtherance of, the applicable contract, including specifically sub-contractors;
- (2) the person(s) who have an ownership interest equal to or greater than 25% in the business entity performing work or service pursuant to, or in furtherance of, the applicable contract. (This subdivision does not apply to a publicly traded company); and
- (3) the person or business entity, if any, that served as a compensated broker or intermediary to actively facilitate the applicable contract or negotiated the terms of the applicable contract with the state agency. (This subdivision does not apply to persons or business entities performing legal services related to the negotiation or drafting of the applicable contract.)

"State agency" means a board, commission, office, department or other agency in the executive, judicial or legislative branch of state government, including publicly funded institutions of higher education: Provided, that for purposes of W. Va. Code § 6D-1-2, the West Virginia Investment Management Board shall not be deemed a state agency nor subject to the requirements of that provision.

The contracting business entity must complete this form and submit it to the contracting state agency prior to contract award and to complete another form within 30 days of contract completion or termination.

This form was created by the State of West Virginia Ethics Commission, 210 Brooks Street, Suite 300, Charleston, WV 25301-1804. Telephone: (304)558-0664; fax: (304)558-2169; e-mail: ethics@wv.gov; website: www.ethics.wv.gov.

West Virginia Ethics Commission

Disclosure of Interested Parties to Contracts

Contracting business entity: ARROW SAFETY DEVICE COMPANY

Address: 123 DIXON STREET, SELBYVILLE DE 19975

Contracting business entity's authorized agent:

Address:

Number or title of contract: REFLECTORIZED TRAFFIC CONES

Type or description of contract: 1 YEAR TERM CONTRACT

Governmental agency awarding contract: WVDOH

Names of each Interested Party to the contract known or reasonably anticipated by the contracting business entity (attach additional pages if necessary):

NONE

Signature: DAVID SPETER, PRESIDENT Date Signed: 7/25/17

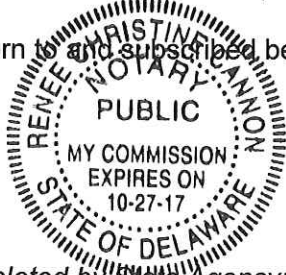
Check here if this is a Supplemental Disclosure.

Verification

State of Delaware, County of Sussex

I, Renee Cannon, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledges that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 25 day of July, 2017.



Rene Cannon Notary Public's Signature

To be completed by State Agency:

Date Received by State Agency:

Date submitted to Ethics Commission:

Governmental agency submitting Disclosure:

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL OTHER CONTRACTS: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: ARROW SAFETY DEVICE COMPANY

Authorized Signature: _____ Date: 7/25/17

State of Delaware

County of Sursex, to-wit:

Taken, subscribed, and sworn to before me this 25 day of July, 2017.

My Commission expires Oct 27, 2017.

AFFIX SEAL HERE



NOTARY PUBLIC Renee Cannon



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Request for Quotation
 19 – Highways

Proc Folder: 321334

Doc Description: REFLECTORIZED TRAFFIC CONES

Proc Type: Central Master Agreement

| Date Issued | Solicitation Closes | Solicitation No | Version |
|-------------|------------------------|-------------------------|---------|
| 2017-07-10 | 2017-07-25 13:30:00 | CRFQ 0803 DOT1800000002 | 1 |

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Name, Address and Telephone Number:

ARROW SAFETY DEVICE COMPANY
 123 DIXON STREET
 P.O. BOX 205
 SELBYVILLE DE 19975
 (800) 327-2514

FOR INFORMATION CONTACT THE BUYER

Mark A Atkins
 (304) 558-2307
 mark.a.atkins@wv.gov

Signature X

FEIN # 26-3237023

DATE 7/25/17

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION:

The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Division of Highways (WVDOH), to establish an open-end contract for ReflectORIZED Traffic Cones, per the attached documents.

| INVOICE TO | | SHIP TO | |
|---|---------|---|----------|
| VARIOUS AGENCY LOCATIONS AS INDICATED BY ORDER | | STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER | |
| No City | WV99999 | No City | WV 99999 |
| US | | US | |

| Line | Comm Ln Desc | Qty | Unit Issue | Unit Price | Total Price |
|------|----------------------|-----------|------------|------------|-------------|
| 1 | 28 INCH TRAFFIC CONE | 300.00000 | EA | 15.46 | 4,638.00 |

| Comm Code | Manufacturer | Specification | Model # |
|-----------|--------------------------|---------------|---------------|
| 46161508 | JBC SAFETY PLASTICS INC. | 28" 10lb | R570045CT3M64 |

Extended Description :

SPECIFICATIONS: PHYSICAL PROPERTIES 28 "Traffic Cone:

- Thickness (minimum), two (2) inches from bottom 0.125-
- Total weight (minimum) 10 lbs -Base weight (minimum) 6 lbs -Base dimension (minimum) 13-3/4 x 13-3/4
- Cone Diameter at Base (minimum) 10. -Tensile Strength (minimum) 1000 PSI -
- Elongation (minimum) *200% -Tensile Strength at 200% Elongation 900PSI -
- Length, measured from bottom of base of tip of cone 27-3/4 in
- * Tensile Strength as tested shall receive a variance of 15% +/-; Elongation as tested shall receive a variance of 15% +/-

| INVOICE TO | | SHIP TO | |
|---|---------|---|----------|
| VARIOUS AGENCY LOCATIONS AS INDICATED BY ORDER | | STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER | |
| No City | WV99999 | No City | WV 99999 |
| US | | US | |

| Line | Comm Ln Desc | Qty | Unit Issue | Unit Price | Total Price |
|------|----------------------|-----------|------------|------------|-------------|
| 2 | 36 INCH TRAFFIC CONE | 500.00000 | EA | | |

| Comm Code | Manufacturer | Specification | Model # |
|-----------|-------------------------|---------------|---------------|
| 46161508 | JBC SAFETY PLASTIC INC. | 36" 12lb | R590055CT3M64 |

Extended Description :

- Thickness (minimum), two (2) inches from bottom 0.120
- Total weight (minimum) 12 lbs
- Base Weight (minimum) 6 lbs. 8 oz.
- Base Dimension (minimum) 15" x 15"
- Cone Diameter at Base (minimum) 10.50"
- tensile Strength (minimum) * 1200 PSI
- Elongation (minimum) * 200%
- Tensile Strength at 200% Elongation 900 PSI
- Length Measured from bottom of base to tip of cone 35-3/4" min
- Tensile strength as tested e a variance of 15%+/-; Elongation as tested shall receive a variance of 15%+/-

| INVOICE TO | | SHIP TO | |
|---|---------|---|----------|
| VARIOUS AGENCY LOCATIONS AS INDICATED BY ORDER | | STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER | |
| No City | WV99999 | No City | WV 99999 |
| US | | US | |

| Line | Comm Ln Desc | Qty | Unit Issue | Unit Price | Total Price |
|------|----------------------|-----------|------------|------------|-------------|
| 3 | 28 INCH SLENDER CONE | 200.00000 | EA | | |

| Comm Code | Manufacturer | Specification | Model # |
|-----------|-------------------------|------------------|----------------|
| 46161508 | JBC SAFETY PLASTIC INC. | 28" SLENDER 10lb | RS70045SR3M164 |

Extended Description :

Thickness(minimum), two (2) inches from bottom 0.125
Total Weight (minimum) 10 lbs
Base Weight (minimum) 6 lbs
Base Dimension (minimum) 14" x 14"
Cone Diameter at Base 7.50" minimum 9.50" maximum
Tensile Strength (minimum) 1000 PSI
Elongation (minimum) * 200%
Tensile Strength at 200% Elongation 900 PSI
Lengths, measured from bottom of base to tip of cone 27 3/4" min
* Tensile strength as tested shall receive a variance of 15%+/-; Elongation as tested receive a variance of 15 %

SCHEDULE OF EVENTS

| Line | Event | Event Date |
|------|-----------------------------|------------|
| 1 | Technical Questions due by: | 2017-07-17 |

| | | | |
|----------------------|--------------------------------|--|------------------------------|
| DOT1800000002 | Document Phase Final | Document Description REFLECTORIZED TRAFFIC CONES | Page 4 of 4 |
|----------------------|--------------------------------|--|------------------------------|

ADDITIONAL TERMS AND CONDITIONS


See attached document(s) for additional Terms and Conditions

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Lora Holland State Contract Administrator
(Name, Title)
LORA HOLLAND STATE CONTRACT ADMINISTRATOR
(Printed Name and Title)
123 DIXON STREET, SELBYVILLE DE 19975
(Address)
800-327-2514 X 203 (302) 856-1549
(Phone Number) / (Fax Number)
LHOLLAND@ARROW SAFETY DEVICE.COM
(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

ARROW SAFETY DEVICE COMPANY
(Company)


(Authorized Signature) (Representative Name, Title) PRESIDENT

DAVID SPEIER, PRESIDENT
(Printed Name and Title of Authorized Representative)

7/25/17
(Date)

800-327-2514 X 11 (302) 856-1549
(Phone Number) (Fax Number)

State of West Virginia
VENDOR PREFERENCE CERTIFICATE

Certification and application is hereby made for Preference in accordance with **West Virginia Code**, §5A-3-37. (Does not apply to construction contracts). **West Virginia Code**, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the **West Virginia Code**. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Vendor Preference, if applicable.

1. **Application is made for 2.5% vendor preference for the reason checked:**
 Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or**,
 Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification;
 Bidder is a resident vendor partnership, association, or corporation with at least eighty percent of ownership interest of bidder held by another entity that meets the applicable four year residency requirement; **or**,
 Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; **or**,
2. **Application is made for 2.5% vendor preference for the reason checked:**
 Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; **or**,
3. **Application is made for 2.5% vendor preference for the reason checked:**
 Bidder is a nonresident vendor that employs a minimum of one hundred state residents, or a nonresident vendor which has an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia and employs a minimum of one hundred state residents, and for purposes of producing or distributing the commodities or completing the project which is the subject of the bidder's bid and continuously over the entire term of the project, on average at least seventy-five percent of the bidder's employees or the bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years and the vendor's bid; **or**,
4. **Application is made for 5% vendor preference for the reason checked:**
 Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; **or**,
5. **Application is made for 3.5% vendor preference who is a veteran for the reason checked:**
 Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; **or**,
6. **Application is made for 3.5% vendor preference who is a veteran for the reason checked:**
 Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.
7. **Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with West Virginia Code §5A-3-59 and West Virginia Code of State Rules.**
 Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) rescind the contract or purchase order; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: ARROW SAFETY DEVICE COMPANY

Signed: 

Date: 7/25/17

Title: PRESIDENT DAVID SPIER

*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.



PO Box 205, 123 Dixon Street, Selbyville, DE 19975
Ph: 800-327-2514 / 302-856-2516 Fx: 302-856-1549
www.arrowsafetydevice.com

July 25, 2017

Re: CRFQ 0803 DOT 1800000002
Reflectorized Traffic Cones

The reflective sheeting to be applied to the Traffic Cones proposed, is 3M 3340 which is ASTM IV and listed on the West Virginia Approved Products List for Temporary Traffic Devices. The Manufacturer, JBC Safety, uses this Reflective Sheeting on all of their Traffic Cones and has reviewed the recommended procedures for application with 3M.

JBC Safety is well versed in the application of the 3M 3340 Reflective Sheeting application onto the Traffic Cones. JBC Safety will notify it's vendors in the event they decide to start using a different reflective sheeting on their Traffic Cones. I have attached the reflective sheeting 3M 3340 documentation for your review.

Should you have any questions, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Speier", is written over a white background.

David T. Speier
President
Arrow Safety Device Co
123 Dixon Street
Selbyville, De 19975
Phone: 302-856-2516 ext 11
Cell: 302-841-0798



Flexible Prismatic Cone Sheeting

Series 3340

For Use on Polyvinyl Chloride Reboundable Traffic Cones

Product Bulletin 3340

May 2014

Replaces PB 4000 Dated October 2011

Description 3M™ Flexible Prismatic Cone Sheeting Series 3340 is a plasticizer resistant, prismatic lens reflective sheeting with pressure sensitive adhesive.

Series 3340 cone sheeting is specifically designed for reflectorizing polyvinyl chloride (PVC) traffic cones. It is not recommended for use on polyethylene or rubber cones. Vinyl cones properly reflectorized with Series 3340 cone sheeting comply with MUTCD requirements for highway and utility use and exceeds the reflectivity values of ASTM Type VI.

Photometric Conformance to color requirements should be determined by instrumental method in accordance with ASTM E 1164 on sheeting applied to aluminum test panels. The values should be determined with a Hunter Color Flex 45/0 spectrophotometer. Computations should be done in accordance with ASTM E 308 for the 2° observer.

Table I — CIE Chromaticity Coordinate Limits² for new sheeting

| Color | 1 | | 2 | | 3 | | 4 | | Limit (Y%) | |
|-------|------|------|------|------|------|------|------|------|------------|-----|
| | x | y | x | y | x | y | x | y | Min. | Max |
| White | .303 | .300 | .368 | .366 | .340 | .393 | .274 | .329 | 27 | - |

²The four pairs of chromaticity coordinates determine the acceptable color in terms of the CIE 1931 standard colorimetric system measured with standard illuminant D64.

Coefficients of Retroreflection

The values in Table II are minimum coefficients of retroreflection for new sheeting expressed in candelas per foot candle per square foot (candelas per lux per square meter).

Test for Coefficients of Retroreflection

Conformance to coefficient of retroreflection requirements should be determined by instrumental method in accordance with ASTM E 810 "Test Method for Coefficient of Retroreflection of Retroreflective Sheeting".

Photometric
(continued)

Table II
Minimum Coefficient of Retroreflection
(Candelas Per Footcandle Per Square Foot
or Candelas Per Lux Per Square meter)

| Observation Angle° | Entrance Angle° | White |
|--------------------|-----------------|-------|
| 0.1 | - 4 | 750 |
| 0.1 | +30 | 300 |
| 0.2 | - 4 | 500 |
| 0.2 | +30 | 200 |
| 0.5 | - 4 | 225 |
| — | +30 | 85 |

Observation (Divergence) Angle - The angle between the illumination axis and the observation axis. Entrance (Incidence) Angle-The angle from the illumination axis to the retroreflector axis. The retroreflector axis is an axis perpendicular to the retroreflective surfaces.

Process Colors Screen processing Series 3340 is not recommended.

Recommended Application Procedures Series 3340 cone sheeting is intended for application to reboundable PVC cones. Applications should be made at temperatures above 60°F (16°C). The surfaces of plasticized vinyl cones sometimes contain oily contaminants that may reduce adhesion. A solvent wipe with a 50-50 blend of isopropyl alcohol and water can be used to clean the cone before application.

Adhesive and Film Properties

Standard Test Panels

Unless otherwise specified herein, sheeting should be applied to test panels and conditioned in accordance with ASTM D4956 and test methods and conditions should conform to ASTM D4956.

Properties

The following properties should conform to the requirements in ASTM D4956.

1. Adhesion
2. Outdoor weathering
 - retained coefficient of retroreflection
 - colorfastness
3. Shrinkage
4. Flexibility
5. Liner removal
6. Impact resistance
7. Night time color

In addition, Series 3340 sheeting will conform to the following properties.

1. Gloss

Test Method — Test in accordance with ASTM D523 using a 60° glossmeter.

Requirement — Rating not less than 50.

2. Optical Stability

Test Method — Apply a 3 inch x 6 inch sample to a test panel. Measure R_A then place it in an oven at $71^\circ\text{C} \pm 3^\circ\text{C}$ ($160^\circ\text{F} \pm 5^\circ\text{F}$) for 24 hours followed by conditioning at standard conditions for two hours.

Remeasure R_A .

Requirement — The sheeting shall retain a minimum of 85% and a maximum of 115% of the original coefficient of retroreflection.

| | |
|---|---|
| Cleaning | It is recommended that reflectorized cones be cleaned periodically with a 50-50 isopropyl alcohol-water blend to remove accumulated road grime and any surface contamination that may have occurred as a result of cone stacking. |
| Storage and Packaging | Series 3340 sheeting should be stored in a cool, dry area, preferably at 65-75°F (18-24°C) and 30-50% relative humidity and should be applied within one year of purchase. Rolls and sleeves should be stored horizontally in the shipping carton. Devices should be stored or shipped vertically stacked to avoid scuffing during shipment. |
| General Performance Considerations | <p>The durability of Series 3340 cone sheeting will depend upon compliance with recommended application procedures, geographic area, exposure conditions, and maintenance.</p> <p>Maximum durability of this sheeting is obtained when it is applied to polyvinyl chloride (PVC) traffic cones following manufacturer's recommendations.</p> <p>Purchasers should select a suitable test for determining reflective sheeting durability on reboundable plastic substrates. Test should include plastic manufacturer's recommendation for impact of reboundable plastic traffic control devices.</p> |
| Health and Safety Information | Read all Health Hazard Precautionary, and First Aid statements found in the Material Safety Data Sheet, and/or product label of chemicals prior to handling or use. |
| 3M Basic Product Warranty and Limited Remedy | 3M™ Flexible Prismatic Cone Sheeting Series 3340 ("Product") is warranted to be free of defects in materials and manufacture at the time of shipment and to meet the specifications stated in this Product Bulletin. If the Product is proven not to have met the Basic Warranty on its shipment date, then a buyer's exclusive remedy, and 3M's sole obligation, at 3M's option, will be refund or replacement of the Product. |
| Limitation of Liability and Remedies | 3M's liability under this warranty is limited to replacement or allowance as stated herein, and 3M assumes no liability for incidental or consequential damages such as lost profits, business or revenue in any way related to the product regardless of the legal theory on which the claim is based. THIS WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY, OF FITNESS FOR A PARTICULAR PURPOSE, ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING OR PERFORMANCE, CUSTOM OR USAGE OF TRADE. |

**FOR INFORMATION OR ASSISTANCE
CALL: 1-800-553-1380**

**IN CANADA CALL:
1-800-265-1840**

**Internet:
www.3M.com/roadwaysafety**

3M assumes no responsibility for any injury, loss or damage arising out of the use of a product that is not of our manufacture. Where reference is made in literature to a commercially available product, made by another manufacturer, it shall be the user's responsibility to ascertain the precautionary measures for its use outlined by the manufacturer.

Important Notice

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable as of the date printed, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, or conditions express or implied. Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct, indirect, special or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his/her intended use, and user assumes all risk and liability whatsoever in connection therewith. Statements or recommendations not contained herein shall have no force or effect unless in an agreement signed by officers of seller and manufacturer.

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Av. Santa Fe No. 55
Col. Santa Fe, Del. Alvaro Obregón
México, D.F. 01210

Please Recycle
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Electronic Only

Approved Products List
Retroreflective Sign Sheeting
Material Code - 715.009.002
Effective Date: July 19, 2016 (see notes 1, 2, and 22)

| <u>TRANSFER FILMS</u> | | |
|-------------------------------|--|----------------------------|
| <u>MANUFACTURER</u> | <u>PRODUCT</u> | <u>LAB APPROVAL NUMBER</u> |
| 3M 3MC1.01.709 | TPM5 clear transfer tape (see note 11) | 1433733 |
| Avery Dennison ADC1.01.664 | Z1XXX clear application tape (see note 11) | 1433734 |

| <u>TYPE ASTM-I</u> | | |
|-------------------------------|----------------------------|----------------------------|
| <u>MANUFACTURER</u> | <u>PRODUCT</u> | <u>LAB APPROVAL NUMBER</u> |
| 3M 3MC1.01.709 | 34XX Series (See note 3) | 1433735 |
| Avery Dennison ADC1.01.664 | T-15XX Series (See note 3) | 1394149 |

| <u>TYPE ASTM-III</u> | | |
|-------------------------------|----------------------------------|----------------------------|
| <u>MANUFACTURER</u> | <u>PRODUCT</u> | <u>LAB APPROVAL NUMBER</u> |
| Avery Dennison ADC1.01.664 | WR-610X Series (see note 4) | 1435782 |
| Nippon Carbide NCX2.01.715 | ULG-II N8XX Series (See note 15) | 1394159 |

| <u>TYPE ASTM-IV</u> | | |
|-----------------------------------|-----------------------------|----------------------------|
| <u>MANUFACTURER</u> | <u>PRODUCT</u> | <u>LAB APPROVAL NUMBER</u> |
| 3M 3MC1.01.709 | Series 393X (See note 3) | 1392883 |
| 3M 3MC1.01.709 | Series 331X (See note 4) | 1433736 |
| 3M 3MC1.01.709 | Series 333X (See note 5) | 1433737 |
| 3M 3MC1.01.709 | Series 33X (See note 5) | 1394157 |
| 3M 3MC1.01.709 | Series 3340 (See note 17) | 1433738 |
| Avery Dennison ADC1.01.664 | T-6XXX Series (See note 3) | 1394161 |
| Avery Dennison ADC1.01.664 | W-6XXX Series (See note 4) | 1394160 |
| Avery Dennison ADC1.01.664 | WR-71XX Series (see note 4) | 1435783 |
| Orafol of Americas OOA1.01.715 | 5900 Series (See note 20) | 1436962 |
| Orafol of Americas OOA1.01.715 | 5930 Series (See note 4) | 1436963 |

CRFQ 0803 DOT1800000002
REQUEST FOR QUOTATION
ReflectORIZED Traffic Cones

8. MISCELLANEOUS:

8.1 No Substitutions: Vendor shall supply only Contract Items submitted in response to the solicitation unless a contract modification is approved in accordance with the provisions contained in this Contract.

8.2 Vendor Supply: Vendor must carry sufficient inventory of the Contract Items being offered to fulfill its obligations under this Contract. By signing its bid, Vendor certifies that it can supply the Contract Items contained in its bid response.

8.3 Reports: Vendor shall provide quarterly reports and annual summaries to the Agency showing the Agency's items purchased, quantities of items purchased, and total dollar value of the items purchased. Vendor shall also provide reports, upon request, showing the items purchased during the term of this Contract, the quantity purchased for each of those items, and the total value of purchases for each of those items. Failure to supply such reports may be grounds for cancellation of this Contract.

8.4 Contract Manager: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: LORA HOLLAND
Telephone Number: 800-327-2514 X 203
Fax Number: 302-856-1549
Email Address: LHOLLAND@ARROWSAFETYDEVICE.COM

8.5 Product Information: The Vendor should specify the information requested below where provided. This Contract shall not be awarded to the Vendor without this information and failure to provide this information may result in disqualification of the Vendor's bid.

Bid Item #1

- Cone manufacturer: JBC SAFETY PLASTIC INC.
- Manufacturer model name or number: R570045 CT 3M64

Bid Item #2

CRFQ 0803 DOT1800000002
REQUEST FOR QUOTATION
ReflectORIZED Traffic Cones

- Cone manufacturer: JBC SAFETY PLASTIC INC
- Manufacturer model name or number: RS90055 CT-3M64

Bid Item #3

- Cone manufacturer: JBC SAFETY PLASTIC INC.
- Manufacturer model name or number: RS700 455R 3M64

Sheeting: If the manufacturer may potentially utilize more than one brand or series sheeting during the Contract, the Vendor should indicate this below by specifying each sheeting. If multiple sheeting manufacturers are indicated, the Vendor will be required to submit multiple reflective sheeting letters of assurance per 3.1.3.1.

- Sheeting manufacturer: 3M
- Series sheeting: 33



working together

JBC Revolution Series Cones

- ◆ Great for day or night time use.
- ◆ Patented Leveling Differential system locks the Orange conical area with the recycled base to prevent separation.
- ◆ Features 3M 3340 Flexible Reflective cone collar sheeting
- ◆ Injection Molded cones with no white liner or fading issues.
- ◆ Entire black base comprised of recycled content.
- ◆ New Indented handle for 2014 makes picking up cones even easier.
- ◆ Non stick area inside conical portion keeps cones from sticking even in the worst conditions.
- ◆ Recessed areas on collared cones protects expensive sheeting.
- ◆ UV stabilized to keep your cones Fluorescent orange for a long, long time.
- ◆ 3 Convenient locations in NJ, Houston, and Los Angeles.
- ◆ **Don't' Settle for Knock Offs of the original– look for the JBC Name and Part # on the bottom of any cones you buy to ensure you are getting the BEST!!**



JBC Safety Plastic Inc.
710 Nogales St.
City of Industry, CA 91748
www.jbcsafety.com
866-742-5522 (office)
855-522-6688 (fax)

Send all orders to: orders@jbcsafety.com

JBC Revolution Series Cones



RS30008C
12" 1.5 LB. WIDE



RS30008CM4
12" 1.5 LB. WIDE
4" COLLAR



RS45015C
18" 3 LB. WIDE



RS45015C3M6
18" 3 LB. WIDE
6" COLLAR



RS70025C
28" 5.5 LB. WIDE



RS70025C3M64
28" 5.5 LB. WIDE
4" & 6" COLLARS



RS70032C
28" 7 LB. WIDE



RS70032CT3M64
28" 7 LB. WIDE
4" & 6" COLLARS



RS70032S
28" 7 LB. SLIM



RS70032SR3M64
28" 7 LB. SLIM
4" & 6" COLLARS



RS70045S
28" 10. LB
SLIM



RS70045SR3M64
28" 10 LB. SLIM
4" & 6" COLLARS



RS70045CT
28" 10 LB.
WIDE



RS70045CT3M64
28" 10 LB. WIDE
4" & 6" COLLARS



RS90045CT
36" 10 LB WIDE



RS90045CT3M64
36" 10 LB. WIDE
4" & 6" COLLARS



RS90055CT
36" 12 LB.
WIDE



RS90055CT3M64
36" 12 LB. WIDE
4" & 6" COLLARS



RS90070CT
36" 15 LB.
WIDE



RS90070CT3M64
36" 15 LB.
4" & 6" COLLARS

EXHIBIT A - PRICING PAGE

CRFQ 0803 DOT1800000002

TRAFFIC CONES

| Item | Estimated Quantity | Unit of Measure | Description | Unit Price | Extended Total Amount | UNSPSC Code |
|---------------------|---------------------------|------------------------|---------------------------------|-------------------|------------------------------|--------------------|
| 1 | 300 | EACH | 28 INCH TRAFFIC CONE | \$ 15.46 | \$ 4,638.00 | 46161508 |
| 2 | 500 | EACH | 36 INCH TRAFFIC CONE | \$ 16.68 | \$ 8,340.00 | 46161508 |
| 3 | 200 | EACH | 28 INCH SLENDER TRAFFIC CONE | \$ 15.36 | \$ 3,072.00 | 46161508 |
| Total Amount | | | | | \$ 16,050.00 | |

Quantities listed in this RFQ are approximations only. It is understood and agreed that the contract shall cover the quantities actually ordered for delivery during the term of the contract, whether more or less than the quantities shown. Award will be based on lowest total cost.

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