

State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

# Request for Quotation

859C2037

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ADDRESS:CORRESPONDENCE NO ATTENTION OF

MICHAEL AUSTIN 304-558-2402

BY ORDER

DIVISION OF HIGHWAYS VARIOUS LOCALES AS INDICATED

919-475-6600 **\*709062051** FLINT TRADING INC PO BOX 160

THOMASVILLE NC 27361-0160

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# GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

- 1. Awards will be made in the best interest of the State of West Virginia.
- 2. The State may accept or reject in part, or in whole, any bid.
- 3. All quotations are governed by the West Virginia Code and the Legislative Rules of the Purchasing Division.
- 4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
- 5. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
- 6. Payment may only be made after the delivery and acceptance of goods or services.
- 7. Interest may be paid for late payment in accordance with the West Virginia Code.
- 8. Vendor preference will be granted upon written request in accordance with the West Virginia Code.
- 9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
- 10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
- 11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
- 12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
- 13. BANKRUPTCY: In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
- 14. HIPAA BUSINESS ASSOCIATE ADDENDUM: The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (http://www.state.wv.us/admin/purchase/vrc/hipaa.htm) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
- 15. WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT: If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

#### INSTRUCTIONS TO BIDDERS

- 1. Use the quotation forms provided by the Purchasing Division.
- 2. SPECIFICATIONS: Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as EQUAL to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
- 3. Complete all sections of the quotation form.
- 4. Unit prices shall prevail in case of discrepancy.
- 5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
- 6. BID SUBMISSION: All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130



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State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

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**\*709062051** PO BOX 160

919-475-6600 FLINT TRADING INC

THOMASVILLE NC 27361-0160 DIVISION OF HIGHWAYS VARIOUS LOCALES AS INDICATED BY ORDER

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Inside

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PO BOX 160

FLINT TRADING INC

THOMASVILLE NC

State of West Virginia Department of Administration Quotation Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

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DIVISION OF HIGHWAYS VARIOUS LOCALES AS INDICATED BY ORDER

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State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

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# TYPE V - CATEGORY II PREFORMED PAVEMENT MARKINGS AND APPLICATION ACCESSORIES

## SCOPE OF CONTRACT

The purpose of this Contract shall be to supply Type V, Category II, preformed retroreflective pavement marking materials and required application accessories to various West Virginia Division of Highways (WVDOH) locations, as noted herein. Preheating of the pavement surface, other than to remove moisture, prior to installation shall not be required with Category II material.

# **GENERAL MATERIAL SPECIFICATIONS**

The markings described are preformed, retroreflective pavement markings conforming in color, size and shape to the West Virginia Department of Transportation, Division of Highways' <a href="Standard Details Book">Standard Details Book</a>, Vol. II, and to the Federal Highway Administration's <a href="Standard Alphabets for Highway Signs and Pavement Markings">Standard Alphabets</a> for Highway Signs and Pavement Markings.

Preformed thermoplastic traffic markings shall be fabricated to a uniform thickness of not less than 125 mils, including retroreflective beads.

As a minimum, preformed thermoplastic traffic markings shall be capable of being applied to clean road surfaces at a minimum temperature of 35 degrees Fahrenheit (road surface and ambient air), with a surface primer if necessary, providing moisture has been sufficiently removed from the application surface.

# MATERIAL RETROREFLECTIVITY, COLOR, AND DURABILTIY SPECIFICATIONS

**RETROREFLECTIVITY:** Both white and yellow markings shall be warranted by the Manufacturer to maintain a minimum retroreflectivity level of 150 millicandelas, with beads applied, for the applicable warranty period described above.

All retroreflectivity measurements will be taken with a LTL 2000, or other Traffic Engineering Division approved 30-meter geometry retroreflectometer. A 5% tolerance with the stated minimum required retroreflectivity value shall be allowed when tested with a hand held retroreflectometer. Average retroreflectance values shall be determined by following an adequate sampling plan to be determined by the Division.

Generally, conformance of markings with the retroreflectivity requirement shall be based on a well dispersed sampling, to be determined by the Division, of the retroreflectivity over the whole marking. Retroreflectivity sampling may be concentrated on a specific area of the marking that appears to be in non-compliance with the Road Presence requirement for the purpose of determining non-compliance with quantitative data.

**COLOR:** Each color installed shall be warranted by the Manufacturer to fall within the boundaries created by the following CIE Chromaticity Coordinate Limits, with beads applied, for the applicable warranty period described above:

		CIE	CHROMA	TICITY (	COORDI	NATE LIN	AITS .	
COLOR		1		2		3	2	4
	X	Y	X	Y	X	Y	X	Y
White	0.480	0.410	0.430	0.380	0.405	0.405	0.455	0.435
Yellow	0.575	0.425	0.508	0.415	0.473	0.453	0.510	0.490

The colormeter used shall be a LTL-Y, or other hand-held colormeter device approved by the Division. Average color coordinate values shall be determined by following an adequate sampling plan to be determined by the Division.

Generally, conformance of markings with the color requirements shall be based on a well dispersed sampling, to be determined by the Division, of the color values over the whole marking. Color sampling may be concentrated on a specific area of the marking that appears to be in non-compliance with the Road Presence requirement for the purpose of determining non-compliance with quantitative data.

ADHERENCE AND ROAD PRESENCE: Both white and yellow markings shall be warranted by the Manufacturer to maintain adherence and road presence for the applicable warranty period described above.

The Adherence and Road Presence requirement shall apply to materials worn uniformly, from the surface down, by normal traffic and snow-plowing. In addition, these requirements shall apply to materials at intersections subject to turning movements by normal traffic. However, these requirements shall not apply in cases of <u>damage</u> attributable to snow-plowing such as chiseling, cutting, chipping, or in cases of material removal from the roadway (other than removal from the surface down due to normal wearing as described above) when it can be shown that the material removal is due to snow-plowing rather than material adhesion failure. Loss due to pavement failure, unless caused by the marking material, will not be considered as a material failure.

## ADDITIONAL SPECIFICATIONS FOR SKID RESISTANCE ENHANCED MATERIAL

Items indicated as being "Skid Resistance Enhanced" shall be specially manufactured to provide additional skid resistance above that which is provided by the other items listed on this Contract.

The material must have factory applied surface abrasives, wherein every other shaped portion contains glass beads, or abrasives with a minimum hardness of 7 (Mohs scale).

The surface of the preformed retroreflective marking materials, wherein every other shaped portion contains glass beads, or abrasives with a minimum hardness of 7 (Mohs scale), shall upon application provide a minimum skid resistance value of 60 BPN when tested according to ASTM: E 303.

#### ADDITIONAL SPECIFICATIONS FOR MANHOLE RINGS

The manhole protection rings included as part of this Contract shall meet the following specifications. The rings shall be in general conformance with the sample drawings shown immediately following these specifications:

- 1. USE: A durable material that is preformed for use as a manhole protection ring.
- 1.1. The material must be able to provide a durable sloped surface with a pitch more shallow than 1:12 to the edge of exposed manholes that vertically exceed the substrate surface.
- 1.2. The material must be a resilient black or grey thermoplastic product. The material must be resistant to the detrimental effects of motor fuels, lubricants, hydraulic fluids etc. The material must be capable of being affixed to bituminous and/or Portland cement concrete pavements by the use of the normal heat of a propane torch. Other colors shall be available as required.
- 1.3. The material must be capable of conforming to pavement contours, breaks and faults through the action of traffic at normal pavement temperatures. The material shall have resealing characteristics, such that it is capable of fusing with itself when heated with the torch.
- 1.4. The material must be able to be applied in temperatures down to 32°F without any special storage, preheating or treatment of the material before application.
- 2. MANUFACTURING CONTROL AND ISO CERTIFICATION: The manufacturer must be ISO9002 certified and provide proof of current certification.
- 3. MATERIAL: Must be composed of an ester-modified rosin resistant to degradation by motor fuels, lubricants etc. in conjunction with aggregates, pigments, and binders that have been factory produced as a finished product.
- 3.1. Heating indicators: The top surface of the material shall have regularly spaced indents. These indents shall act as a visual cue during application that the material has reached a molten state so satisfactory adhesion has been achieved and a post-application visual cue that the installation procedures have been followed.
- 3.2. Thickness: The material must be supplied at a minimum thickness of 125 mils (3.18 mm) per individual layer.
- The material kit as provided by the manufacturer will provide minimum pre-applied vertical height adjustment of 125 mils (3.18mm) to 375 mils (9.53 mm).
- 3.3. Environmental Resistance: The material must be resistant to deterioration due to exposure to sunlight, water, salt or adverse weather conditions and impervious to oil and gasoline.

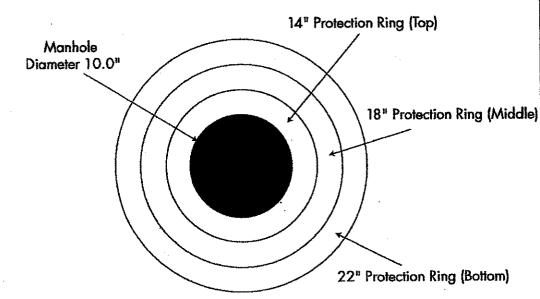
## 4. APPLICATION:

4.1. Asphalt: The materials shall be applied using the propane torch method recommended by the manufacturer.

The material must be able to be applied at ambient and road temperatures down to 32°F without any preheating of the pavement to a specific temperature. The material must be able to be applied without the use of a thermometer. The pavement shall be clean, dry and free of debris. Supplier must enclose application instructions with each box/package.

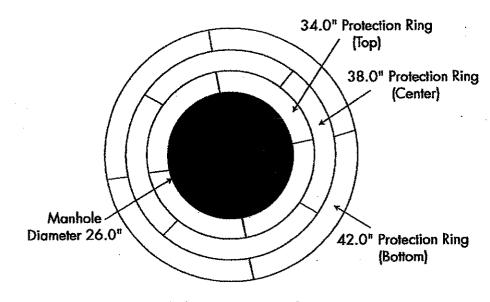
4.2. Portland Concrete: The same application procedure shall be used as described under Section 4.1. However, a compatible primer sealer may be applied before application to assure proper adhesion.

# MANHOLE RING TYPICAL DRAWING



Manhole Protection Ring System

**ITEM #37** 



Manhole Protection Ring System

**ITEM #38** 

ITEMS 36, 39, AND 40 SIMILAR

# **MANUFACTURERS WARRANTY**

Transverse markings shall be warranted by the Manufacturer to adhere to both asphalt and concrete, maintain road presence, and meet the retroreflectivity and color requirements described herein, for a minimum of three (3) years when applied according to the Manufacturer's recommendations. Transverse markings shall include stop bars, yield bar markings, legend, symbols such as lane assignment arrows and lane drop arrows, railroad crossing markings, crosswalk markings, stripes inside lane shunts and gore areas, and other similar markings.

Longitudinal lines shall be warranted by the Manufacturer to adhere to both asphalt and concrete, maintain road presence, and to meet the retroreflectivity and color requirements described herein, for a minimum of four (4) years when applied according to the Manufacturer's recommendations. Longitudinal lines shall include lane lines, barrier lines, channelizing lines, edge lines, and other similar markings.

If the material fails the adherence, road presence, color, or retroreflectivity requirements described above, the material shall be corrected by the Manufacturer in a manner acceptable to the Division at no additional cost to the Division. All warranty related work required shall be completed within sixty (60) calendar days of notification. The Manufacturer may, but shall not be required to replace preformed thermoplastic Type V material between December 1<sup>st</sup> and March 1<sup>st</sup> of the following year. Calendar Days falling within the time frames specified above will not be counted against the Manufacturer.

## APPROVED PRODUCTS

Materials eligible to be bid for supply as part of this Contract shall meet the following requirements:

- 1. Reflective marking materials shall be included on the current WVDOH Approved Products List (APL) for Type V materials.
- 2. Reflective marking materials shall be a preformed thermoplastic requiring heat to melt and adhere the material to the road surface. Preformed tapes are not eligible.
- 3. Reflective marking materials, per the manufacturer's specifications and/or the application method under which the material was originally tested and approved by the WVDOH, shall not require pre-heating of the pavement surface to a specific temperature prior to applying the material.

Reflective marking materials approved for bidding on this Contract, based on the current Approved Products List, are as follows:

MANUFACTURER	MATERIAL
Flint Trading Company	Premark Plus White or Yellow
Flint Trading Company	Premark Plus Vizigrip White or Yellow

## PRICE ADJUSTMENT CLAUSE

The State of West Virginia will consider bids that contain provisions for price adjustments prior to the original expiration date of the Contract, provided that such price adjustment covers both upward and downward movement of the commodity price, and that adjustment is based on the "pass through" increase or decrease of raw materials and/or labor, which make up all or a substantial part of a product. Adjustments are to be based upon an actual dollar figure, not a percentage. All price adjustment requests must be substantiated in a manner acceptable to the Director of the WV Purchasing Division (e.g. governmental bench marks, general market increases, and published price lists). All documentation of price increases incurred by the vendor shall be based on governmental bench marks, general market increases, published price lists, etc. in effect on the original effective date of the Contract, or the effective date of the currently approved price increase in effect, as applicable. Such requests for price increases shall be received in writing by the Director of the Traffic Engineering Division at least 30-days in advance of the proposed effective date of the increase. The price increase request will be evaluated by the Traffic Engineering Division and will be forwarded to the Purchasing Division for concurrence. The vendor may not submit a request for a price increase with a proposed effective date less than 90-days from the original effective date of the Contract. Subsequent requests for price increases may not have a proposed effective date less than 90-days from the effective date of the currently approved price increase in effect. Any time the vendor requests a price adjustment, the Purchasing Division may either accept the price adjustment and amend the Contract accordingly or reject the adjustment in its' entirety and cancel the Contract.

## **DELIVERY**

The minimum State Contract Order (SCO) quantity for delivery to any specified destination shall not be less than \$1,000. The supplier shall be allowed fifteen (15) calendar days A.R.O. for delivery.

A minimum of forty-eight (48) hours prior to delivery, a documented telephone call shall be placed to the District at one of the numbers given within this contract document. First preference shall be the particular District's Sign Shop telephone number. If contact cannot be made at this number, second preference shall be the particular District's Headquarters. The vendor shall make it understood to the contact what is to be delivered and when. The vendor shall document who the contact was, and the time and date that the call was placed.

The WVDOH shall assess liquidated damages against the supplier for each day that any delivery of material is delayed beyond the fifteen (15) day limit. The District may waive a portion or all of the liquidated damages at their discretion provided an ample supply of material is in stock at the District. The total amount of the liquidated damages shall be \$60 per calendar day per SCO and is in accordance with section 108.7 of the Standard Specifications.

## TECHNICAL ASSISTANCE

The successful bidder shall provide the services of a qualified technician for instruction and training of WVDOH personnel in each of the ten (10) District Sign Shops. These services shall be provided once to each District within one (1) week of notification by the Division and at no additional costs. In the event that this contract is renewed after one (1) year, the successful bidder shall again, if required, provide the above services to each of the District Sign Shops, as described above, during the initial renewal year and subsequent renewal years, at no additional costs.

BID SCHEDULE
The following estimated quantities are for bid purposes only. Actual quantities will be determined by needs of the West Virginia Division of Highways and may be increased or decreased.

- T	ESTIMATED	TINIT OF	DESCRIPTION	UNIT PRICE	TOTAL AMOUNT	INVENTORY SUBCODE
	CHANTITY	MEASURE		(PER PACKAGE)		(DOH USE ONLY)
						540420 (INVENTORY UM IS
<b>4</b>	6	EA (PACKAGE)	4 inch longitudinal line, white, 60 feet per package	\$55.64	\$5,564.00	PER PACKAGE)
C	Cu	EA (BACKACE)	4 inch longificijnaj lina, valjow, 80 fast par packada	(	٠٠ ١٥٠ ١٥٠	560420 (INVENTORY UNITS
7	3	לשמעטער) עש		\$50.4Z	1 70	PEN PACAGO IN INTERPRETATION INTE
က	5	EA (PACKAGE)	4 inch longitudinal line, blue, 60 feet per package	\$55.64	\$556.40	PER PACKAGE)
4		EA (PACKAGE)	4 inch SKID RESISTANCE ENCHANCED longitudinal line, blue, 60 feet per package (FOR CROSS HATCHING IN LANDICA BEEN BARKING STALL STALL)	\$55.64	\$ 55.64	ĄV
z,	25	EA (PACKAGE)	6 inch longitudinal line, white, 60 feet per package	\$83.07	\$2,076.75	540620 (INVENTORY UM IS PER PACKAGE)
ဖ	-	EA (PACKAGE)	6 inch longitudinal line, black, 60 feet per package	\$89.05	\$ 89.05	NA
	-	EA (PACKAGE)	6 inch longitudinal line, gray, 80 feet per package	\$89.05	\$ 89.05	NA
8	900	EA (PACKAGE)	8 inch longitudinal line, white, 60 feet per package	\$110.83	\$55,415.00	540820 (INVENTORY UM IS PER PACKAGE)
6	10	EA (PACKAGE)	8 inch longitudinal line, yellow, 60 feet per package	\$113,56	\$1,135.60	560820 (INVENTORY UM IS PER PACKAGE)
6	1500	EA (PACKAGE)	12 inch longitudinal line, white, 30 feet per package	\$83,27	\$124,905.00	541210 (INVENTORY UM IS PER PACKAGE)
12	300	EA (PACKAGE)	12 Inch SKID RESISTANCE ENCHANCED Ionaltudinal line, white, 30 feet per package	\$83,27	\$24,981.00	541211 (INVENTORY UM IS PER PACKAGE)
12	300	EA (PACKAGE)	12 inch longitudinal line, yellow, 30 feet per package	\$83.66	\$25,098.00	561210 (INVENTORY UM IS PER PACKAGE)
13		EA (PACKAGE)	12 inch longitudinal line, black, 30 feet per package	\$79.17	\$ 79.17	NA
4	-	EA (PACKAGE)	12 inch longitudinal line, grey, 30 feet per package	\$79.17	\$ 79.17	NA
£	150	EA (PACKAGE)	Straight Arrow 12" @ bottom of shaft, 3-3" x 9-10" 2 ea ner package **	\$149.24	\$22,386.00	555000 (INVENTORY UM IS PER EA.)
6	006	EA (PACKAGE)	Curved Arrow, Left 12" @ bottom of shaft, 6-3" x 8'-2"	\$173.16	\$155,844.00	555011 (INVENTORY UM IS PER EA.)
TON **	= ITEMS 15-18.	29-32, 35-39 - Q	** NOTE ITEMS 15-18, 29-32, 35-39 - QTY INDICATED ON ORDER AND UNIT PRICE TO BE PER PACKAGE, ITEMS WITH INVENTORY SHOULD BE ENTERED	E PER PACKAGE, ITEM	S WITH INVENTORY SHO	ULD BE ENTERED

\*\* NOTE ITEMS 16-18, 29-32, 35-39 - QTY INDICATED ON ORDER AND UNIT PRICE TO BE TEN THE "UNIT PRICE" ADJUSTED ACCORDINGLY. INTO INVENTORY PER THE ESTABLISHED UNIT OF MEASURE NOTED IN THE SUBCODE COLUMN, WITH THE "UNIT PRICE" ADJUSTED ACCORDINGLY.

TEM	ESTIMATED	UNITOF	DESCRIPTION	UNIT PRICE	TOTAL AMOUNT	INVENTORY SUBCODE
Š	QUANTITY	MEASURE		(PER PACKAGE)		(DOH USE ONLY)
17	250	EA (PACKAGE)	Curved Arrow, Right 12" @ bottom of shaft, 6'-3" x 8'-2" 2 ea. per packade **	\$173.16	\$43,290.00	555012 (INVENTORY UM IS PER EA.)
85	100	EA (PACKAGE)	Curved Arrow, unbeaded 12" @ bottom of shaft, 6'-3" x 8'-2" 2 ea. per package **	\$173.16	\$17,316.00	555010 (INVENTORY UM IS PER EA.)
<u>6</u>	20	EA (PACKAGE)	Combination Arrow 12" @ bottom of shaft, 7'-4" x 13'-1" 1 ea. per package SPECIFY RIGHT, LEFT, OR UNBEADED ON ORDER	\$156.59	\$ 7,829.50	555025 (INVENTORY UM IS PER EA.)
20	200	EA (PACKAGE)	"ONLY" 6'-8" x 8'-0" 1 ea. per package	\$123.83	\$24,766.00	555050 (INVENTORY UM IS PER EA.)
2	0	EA (PACKAGE)	"STOP" 7-4" x 8'-0" 1 ea. per package	\$123,96	\$ 1,239.60	555040 (INVENTORY UM IS PER EA.)
22	10	EA (PACKAGE)	"AHEAD" 8'-10" x 8'-0" 1 ea. per package	\$171.99	\$ 1,719.90	555060 (INVENTORY UM IS PER EA.)
23	ເດ	EA (PACKAGE)	"SCHOOL" 11'-4" X 8' 1 ea. per package FOR USE WHERE THE TEXT IS TO SPAN 1 LANE	\$192.92	\$ 964.60	555080 (INVENTORY UM IS PER EA.)
24	ស	EA (PACKAGE)	"SCHOOL" 14'-6" X 10' 1 ea. per package FOR USE WHERE THE TEXT IS TO SPAN 2 LANES	\$250.25	\$ 1,251.25	
25	25	EA (PACKAGE)		\$223.40	\$ 5,585.00	555015 (INVENTORY UM IS PER EA.)
92	52	EA (PACKAGE)	Left side lane drop arrow (POINTS TO RIGHT) 1 ea. per package	\$223,40	\$ 5,585.00	555016 (INVENTORY UM IS PER EA.)
27	10	EA (PACKAGE)	Unbeaded lane drop arrow 1 ea. per package	\$223.40	\$ 2,234.00	555017 (INVENTORY UM IS PER EA.)
788	20	EA (PACKAGE)	Railroad Crossing (package) 2 ea. R's 12×78" "X" 16" material, 20' height, 42" width	\$237.25	\$11,862.50	555030 (INVENTORY UM IS PER EA.)
# NOTE	" ITEMS 45.18	29-32, 35-39 - Q	** NOTE ITEMS 15-18, 29-32, 35-39 - OTY INDICATED ON ORDER AND UNIT PRICE TO BE PER PACKAGE. ITEMS WITH INVENTORY SHOULD BE ENTERED	E PER PACKAGE, ITEM	S WITH INVENTORY SHO	ULD BE ENTERED

\*\* NOTE ITEMS 15-18, 29-32, 35-39 - QTY INDICATED ON ORDER AND UNIT PRICE TO BE PEK PACKAGE. ILEMS WITH INVENTOR SHOOLD BE ENTENER. INTO INVENTORY PER THE ESTABLISHED UNIT OF MEASURE NOTED IN THE SUBCODE COLUMN, WITH THE "UNIT PRICE" ADJUSTED ACCORDINGLY.

E	ESTIMATED	UNITOF	DESCRIPTION	UNIT PRICE	TOTAL AMOUNT	INVENTORY SUBCODE
Š.	QUANTITY	MEASURE		(PER PACKAGE)		(DOH USE ONLY)
8	10	EA (PACKAGE)	White Handicap symbol with blue background, 48" square 2 ea. per package **	\$179.01	\$ 1,790.10	555100 (INVENTORY UM IS PER EA.)
30	8	EA (PACKAGE)	Yield Line triangle Triangles to be 24"x36" 10 ea. per package **	\$106.34	\$10,634.00	555075 (INVENTORY UM IS PER EA.)
34	25	EA (PACKAGE)	Freeway Ramp Wrong Way Arrow 8" wide material 2 ea. per package **	\$169.65	\$ 4,241.25	NA
32	25	EA (PACKAGE)	SKID RESISTANCE ENCHANCED Bicycle with rider and helmet symbol, 24" x 48". Bicycle to point to left 5 ea. per package **	\$279,37	\$ 6,984.25	555090 (INVENTORY UM IS PER EA.)
33	100	EA	Primer, one (1) gallon container Approx. coverage of one gallon container to be 150 SF.	\$ 44.13	\$ 4,413.00	000015 (INVENTORY UM IS PER EA.)
34	ĸ	EA	Heat gun kit, complete (does not include LPG cylinder)	\$850.00	\$ 4,250.00	080815 Class 019 Type 008 (INVENTORY UM IS PER EA.)
35	100	EA (PACKAGE)	Super Bundy pad, 8 inch x 8 inch 80 ea. per package **	\$116.40	\$11,640.00	080108 Class 019 Type 008 (INVENTORY UM IS PER EA.)
36	-	EA (PACKAGE)	Manhole Protection Ring, 8" I.D. 2 ea. per package ** SPECIFY BLACK OR GREY ON ORDER	\$ 74.62	\$ 74.62	Ą
37	•	EA (PACKAGE)	Manhole Protection Ring, 10" I.D. 2 ea. per package ** SPECIFY BLACK OR GREY ON ORDER	\$ 84.90	\$ 84.90	۸
88	-	EA (PACKAGE)	Manhole Protection Ring, 26" I.D. 2 ea. per package ** SPECIFY BLACK OR GREY ON ORDER	\$121.20	\$ 121.20	۸N
36	•	EA (PACKAGE)	Manhole Protection Ring, 28" I.D. 2 ea. per package ** SPECIFY BLACK OR GREY ON ORDER	\$128.40	\$ 128.40	ĄV
64	-	EA (PACKAGE)	Manhole Protection Ring, 32" I.D. 1 ea. per package SPECIFY BLACK OR GREY ON ORDER	\$ 70.57	\$ 70.57	ΑN
	-		TOTAL FOR ALL ITEMS-		\$589,250.47	

\*\* NOTE ITEMS 15-18, 29-32, 35-39 - QTY INDICATED ON ORDER AND UNIT PRICE TO BE PER PACKAGE. ITEMS WITH INVENTORY SHOULD BE ENTERED INTO INVENTORY PER THE ESTABLISHED UNIT OF MEASURE NOTED IN THE SUBCODE COLUMN, WITH THE "UNIT PRICE" ADJUSTED ACCORDINGLY.

# CONTACT PERSON AND DELIVERY ADDRESS FOR EACH DIVISION OF HIGHWAYS DESTINATION

Delivery Address	Contact	Phone Number
WVDOH - D1 Sign Shop	Jim Russell	304-759-0708
75 Pickens Rd.		304-558-3001*
Nitro, WV 25143		
WVDOH - D2 Sign Shop	Tim Mills	304-528-5679
801 Madison Ave.		304-528-5600*
Huntington, WV 25704		
WVDOH - D3 Sign Shop	Tom Potts	304-420-4815
720 Depot St.	101111 0110	304-420-4645*
Parkersburg, WV 26101		004 420 4040
WVDOH - D4 Sign Shop	Rick Reed	304-627-2401
US-19 - 1 mile N. of Clarksburg (gore yard)	Mon Need	304-842-1500*
Clarksburg, WV 26301		304-042-1300
WVDOH - D5 Sign Shop	Doug Placka	304-289-3521
US-50 - 14 miles E. of Keyser		304-289-3521*
Burlington, WV 26710	a a constitution of the co	
WVDOH District 6 Sign Shop	Jim Wurtzbacher	304-238-1205
1 DOT Drive, Bldg. 3		304-238-4008*
Moundsville, WV 26041		
WVDOH - D7 Sign Shop	Tyrone Campbell	304-269-0460
US-33 - 1/2 mile E. of Weston		304-269-0414*
Weston, WV 26452		
WVDOH - D8 Sign Shop	Mike Westfall	304-637-0215
Rt. 219 - 1 mile N. of Elkins		304-637-0220*
Elkins, WV 26241		
WVDOH - D9 Sign Shop	Harry Honaker	304-647-7551
US-219 - 1-1/2 miles N. of Lewisburg		304-647-7450*
Country Club Rd Brush Rd.	Ì	. '
Lewisburg, WV 24901		
WVDOH - D10 Sign Shop	Curtis Whitlow	304-487-5283
270 Hardwood Lane	1	304-487-5228*
Princeton, WV 24740		,
WVDOH - Traffic Services Complex	Chuck Swigger	304-558-6356
180 Dry Branch Rd.	Ted Whitmore	304-558-9468
Charleston, WV 25306		

<sup>\*</sup> District/Division headquarters phone number

# 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)

preferei	nce for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in ance with the <b>West Virginia Code</b> . This certificate for application is to be used to request such preference. The Purchasing will make the determination of the Resident Vendor Preference, if applicable.
1. N/A N/A	Application is made for 2.5% resident 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; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; 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. N <u>/A</u>	Application is made for 2.5% resident 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. N <u>/A</u>	Application is made for 2.5% resident vendor preference for the reason checked: Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
<b>4.</b> N / A	Application is made for 5% resident 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,
<b>5.</b>	Application is made for 3.5% resident 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,
- Application is made for 3.5% resident vendor preference who is a veteran for the reason checked: 6. Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for N/Apurposes 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.

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) reject the bid; 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.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), 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:	Flint Trading, Inc.	Signed: Jan Westy
Date:	2/13/09	Title: Inside Sales Manager

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

# STATE OF WEST VIRGINIA Purchasing Division

# **PURCHASING AFFIDAVIT**

# VENDOR OWING A DEBT TO THE STATE:

West Virginia Code §5A-3-10a provides that: 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 the debt owed is an amount greater than one thousand dollars in the aggregate.

# **PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:**

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the **West Virginia Code**. The vendor **must** make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the **West Virginia Code** and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the **West Virginia Code** may take place before their work on the public improvement is begun.

#### **ANTITRUST:**

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

#### LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

## **CONFIDENTIALITY:**

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf.

Under penalty of law for false swearing (**West Virginia Code** §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

Vendor's Name:/	riint	Trading,	Inc.		
Authorized Signature:	Mart		Date	e: 2/13	/09
Purchasing Affidavit (Revised 01/01/09)	//				

# SPECIFICATION PREFORMED THERMOPLASTIC PAVEMENT MARKINGS

- USE: A durable, retroreflective pavement marking material suitable for use as roadway, intersection, commercial or private pavement delineation and markings.
  - 1.1. The markings must be a resilient white or yellow thermoplastic product with uniformly distributed glass beads throughout the entire cross sectional area. The markings must be resistant to the detrimental effects of motor fuels, lubricants, hydraulic fluids, antifreeze, etc. Lines, legends and symbols are capable of being affixed to bituminous and/or portland cement concrete pavements by the use of the normal heat of a propane torch. Other colors shall be available as required.
  - 1.2. The markings must be capable of conforming to pavement contours, breaks and faults through the action of traffic at normal pavement temperatures. The markings shall have resealing characteristics, such that it is capable of fusing with itself and previously applied thermoplastic when heated with the torch.
  - 1.3. The markings shall not have minimum ambient and road temperature requirements for application, storage, or handling.
- 2. MANUFACTURING CONTROL AND ISO CERTIFICATION: The manufacturer must be ISO 9001:2000 certified and provide proof of current certification. The scope of the certification shall include manufacture of preformed thermoplastic marking materials.
- 3. MATERIAL: Must be composed of an ester modified rosin resistant to degradation by motor fuels, lubricants etc. in conjunction with aggregates, pigments, binders and glass beads which have been factory produced as a finished product, and meets the requirements of the current edition of the Manual on Uniform Traffic Control Devices for Streets and Highways. The thermoplastic material conforms to AASHTO designation M249, with the exception of the relevant differences due to the material being supplied in a preformed state.

### 3.1. Graded Glass Beads:

- 3.1.1. The material must contain a minimum of thirty percent (30%) intermixed graded glass beads by weight. The intermixed beads shall be conforming to AASHTO designation M247, with minimum 80% true spheres and minimum refractive index of 1.50.
- 3.1.2. The material must have factory applied coated surface beads in addition to the intermixed beads at a rate of 1 lb. ( $\pm$  10%) per 10 sq. ft. These factory applied coated surface beads shall have a minimum of 90% true spheres, minimum refractive index of 1.50, and meet the following gradation.

Size Gr	adation		
US Mesh	μm	Retained, %	Passing, %
12	1700	0 - 2%	98 - 100%
14	1400	0 - 3.5%	96.5 - 100%
16	1180	2 - 25%	75 - 98%
18	1000	28 - 63%	37 - 72%
20	850	63 - 72%	28 - 37%
30	600	67 - 77%	23 - 33%
50	300	89 - 95%	5 - 11%
80	200	97-100%	0 - 3%

#### 3.2. Pigments:

- 3.2.1. White: The material shall be manufactured with sufficient titanium dioxide pigment to meet FHWA Docket No. FHWA-99-6190 Table 5 and Table 6 as revised and corrected.
- 3.2.2. Red, Blue, and Yellow: The material shall be manufactured with sufficient pigment to meet FHWA Docket No. FHWA-99-6190 Table 5 and Table 6 as revised and corrected. The yellow pigments must be organic and must be heavy-metal free.
- 3.2.3. Other Colors: The pigments must be heavy-metal free.
- 3.3. <u>Heating indicators:</u> The top surface of the material (same side as the factory applied surface beads) shall have regularly spaced indents. These indents shall act as a visual cue during application that the material has reached a molten state so satisfactory adhesion and proper bead embedment has been achieved and a post-application visual cue that the installation procedures have been followed.
- 3.4. <u>Skid Resistance:</u> The surface, with properly applied and embedded surface beads, must provide a minimum resistance value of 45 BPN when tested according to ASTM E 303.
- 3.5. Thickness: The material must be supplied at a minimum thickness of 125 mils (3.15 mm).
- 3.6. <u>Versatility:</u> As an option, turn arrows and combination arrows may come without surface applied glass beads, thus facilitating the use of those arrows as either left or right indicators, thereby reducing inventory requirements.
- 3.7. <u>Environmental Resistance:</u> The material must be resistant to deterioration due to exposure to sunlight, water, salt or adverse weather conditions and impervious to oil and gasoline.
- 3.8. <u>Retroreflectivity:</u> The material, when applied in accordance with manufacturer's guidelines, must demonstrate a uniform level of sufficient nighttime retroreflection when tested in accordance to ASTM E 1710. The applied material must have an initial minimum intensity reading of 500 mcd·m<sup>-2</sup>·lx<sup>-1</sup> for white and 300 mcd·m<sup>-2</sup>·lx<sup>-1</sup> for yellow as measured with an LTL-2000 or LTL-X Retroreflectometer.

Note: Initial retroreflection is affected by the amount of heat applied during installation. When ambient temperatures are such that greater amounts of heat are required for proper installation, initial retroreflection levels may be affected.

#### 4. APPLICATION:

- 4.1. <u>Asphalt:</u> The materials shall be applied using the propane torch method recommended by the manufacturer. The material must be able to be applied without minimum requirements for ambient and road temperatures and without any preheating of the pavement to a specific temperature. The material must be able to be applied without the use of a thermometer. The pavement shall be clean, dry and free of debris. Supplier must enclose application instructions in English and Spanish with each box/package.
- 4.2. <u>Portland Cement Concrete:</u> The same application procedure shall be used as described under Section 4.1. However, a compatible primer sealer shall be applied before application to assure proper adhesion.
- 5. **PACKAGING:** The preformed thermoplastic markings shall be placed in protective plastic film with cardboard stiffeners where necessary to prevent damage in transit. Linear material must be cut to a maximum of 3' long pieces. Legends and symbols must also be supplied in flat pieces. The cartons in which packed shall be non-returnable and shall not exceed 40" in length and 25" in width, and be labeled for ease of identification. The weight of the individual carton must not exceed seventy (70) pounds. A protective film around the box must be applied in order to protect the material from rain or premature aging.
- TECHNICAL SERVICES: The successful bidder shall provide technical services as required.
- PERFORMANCE: The preformed thermoplastic markings shall meet state specifications and be approved for use by the
  appropriate state agency.



P.O. Box 160 Thomasville, NC 27361 115 Todd Court Thomasville, NC 27360

Phone: (336) 475-6600 Fax: (336) 475-7900 flint@flinttrading.com www.flinttrading.com

February 13, 2009

Mr. Michael Austin
State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Charleston, WV 25305

Reference: RFQ 859C2037

Retroreflective Preformed Thermoplastic Pavement Marking Materials

Dear Mr. Austin:

Thank you for the opportunity to quote you on our PreMark® Preformed Thermoplastic Pavement Marking Material. Please find attached our completed bid for your RFQ 859C2037 for Type V, Category II Preformed Retroreflective Pavement Marking Materials.

I trust this bid will meet with your approval. If you have any questions or require additional information, please call me at 336-475-6600 or you may contact me by e-mail at <a href="mailto:sales@flinttrading.com">sales@flinttrading.com</a>. Thank you for considering Flint Trading, Inc. We look forward to serving the State of West Virginia.

Sincerely,

Tim Montgomery

Inside Sales and Support Manager

PreMark® DecoMark® TopMark® HotTape™ DELTA



MARCAS TERMOPLÁSTICAS PREFORMADAS DE PREMARK

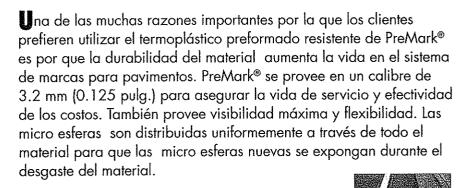








Las Marcas Retrorreflectivas Termoplásticas Preformadas de PreMark® tienen un funcionamiento de alto rendimiento en señalizaciones para áreas de pavimento, concreto o adoquines, son diseñadas para optimizar la seguridad de los automovilistas, motociclistas, peatones y trabajadores que recorren las calles.



ViziGrip® es una característica única que se puede agregar a las marcas de PreMark® para asegurar la resistencia de resbalones y la retrorreflectividad es maximizada, especialmente cuando se aumenta la perdida de tracción en áreas que se encuentren mojadas que es la mayor preocupación.

ViziGrip® esta diseñado especialmente para pasos peatonales, pasos de bicicletas, señales para discapacitados y otros usos de peatones.

PreMark® esta disponible en diseño estándar de la Administración Federal de Carreteras (FHWA) y cumplen con el Manual sobre los Dispositivos Uniformes del Control de Trafico (MUTCD) y diseños hechos a la medida.

El PreMark® se hace para uso en calles, intersecciones, carreteras, cruces peatonales, así como en estacionamientos de centros comerciales, campus de escuelas y parques de negocios.

- Líneas, Leyendas, Flechas
- Marca o señales para discapacitados
- Marcas de carril de bicicletas
- Marcas de líneas de ceder el paso
- Insignias para carreteras interestatales

- Marcas de contrastes
- Pasos peatonales
- Anillos de protección de boca de alcantarillas o accesos
- Barras de estruendos
- Marcas para desagues o drenajes.



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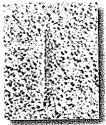
Los aplicadores nuevos deberán ponerse en contacto con Flint Trading en los EE.UU, al (336)475-6600 para soporte del producto y capacitación local gratis.

# Instalación Rápida y Fácil >> >> >> >>

La instalación de PreMark® es rápida, segura y rentable con una antorcha industrial de calor como la Flint 2000EX®.

PreMark® no requiere precalentamiento del pavimento a una temperatura específica antes de la aplicación. La temporada de marcado del pavimento se puede extender porque PreMark® no tiene requisitos de temperatura ambiente ni temperatura del área en el cual se hará la aplicación del producto.

La superficie superior del material tiene mellas posicionadas regularmente espaciadas que proporcionan una indicación visual durante la aplicación cuando el material ha llegado un estado de fundición que indican una adhesión e incrustación adecuada de las micro esferas de vidrio. Las mellas también proporcionan una indicación visual post aplicación que los pasos de instalación han sido seguidos.



Se requiere un sellador recomendado cuando se use PreMark® en las superficies de concreto. El sellador aumenta la fuerza de adhesión, evitando que la humedad penetre a través del concreto.

## Visibilidad Aumentada

Con una retroreflectancia inicial alta y duradera, PreMark® provee mayor luminosidad y una mejor visibilidad durante su vida útil; con la adición de las micro esferas de vidrio entremezcladas en el material, las micro esferas aplicadas a la superficie del material durante la fabricación dan una visibilidad de los micro esferas grandes y la durabilidad de las micro esferas más pequeñas.

# Durabilidad Aumentada

Ingeniado como una marca de pavimento de intersección de trabajo pesado, PreMark® provee un desgaste graduado óptimo en condiciones adversas. Con una instalación adecuada, PreMark® no se desliza, no se despega, ni de ninguna manera pierde su adherencia. PreMark® dura 6 a 8 veces más que las superficies pintadas.

# Impermeable al Aceite y Gasolina

PreMark® es impermeable al aceite y gasolina, pero, compatible con todas las superficies del asfalto. PreMark® puede estar incrustado o aplicado en el asfalto fresco en cuanto la superficie de la calle fragüe.

# La Seguridad del Trabajador y Medio Ambiente

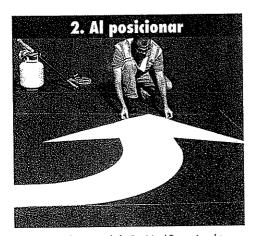
No contiene cromatos de plomos, ni compuestos de metales pesados o COVs (Compuestos Orgánicos Volátiles). PreMark® no es peligroso basado en las normas actuales de la Agencia de Protección Ambiente de Estados Unidos (EPA) y La Administración de la Seguridad y Salud (OSHA) durante la aplicación o eliminación del material.

# Control de Fabricación

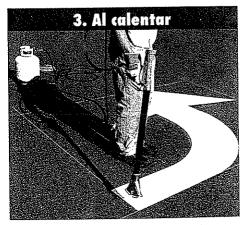
Todos de los materiales termoplásticos preformados de PreMark® son fabricados en las plantas de Flint que están certificadas conforme a la norma ISO 9001:2000 para el diseño, fabricación y desarrollo.



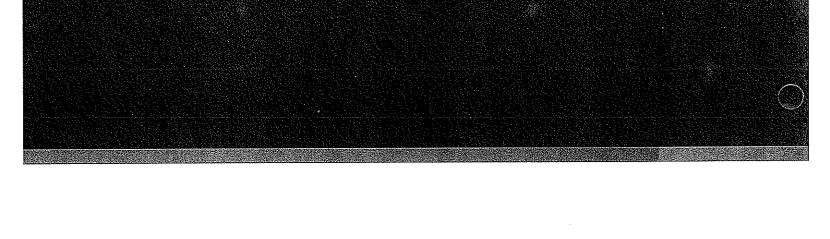
Limpie la superficie y asegure que no haya



Posicione el material de PreMark® según el trazo.



Caliente el PreMark® con una antorcha de propano como la Flint 2000EX® y haga una prueba con un cincel para asegurar una . adhesión adecuada.



# Flint TRADING INC.

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PreMark® has a patented visible indent system, U.S. Patent 5,861,206

ViziGrip® combines surface beads and abrasives which enhance skid resistance and nighttime visibility, U.S. Patent 6,217,254