



# CONTRACT DATA SHEET

Monroe County Division of Purchasing  
200 County Office Building, Rochester NY 14614

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**TITLE:** PREFORMED THERMOPLASTIC  
PAVEMENT MARKINGS

**CONTRACT #:** 0315-25 (7700000316)

**CONTRACT DATES:** 05/14/2025 – 04/30/2026

**BUYER:** Sean Wilcox  
**PHONE:** 585/753-1136  
**EMAIL:** swilcox@monroecounty.gov

**VENDOR(S):** Preform, LLC  
PO Box 269  
St. Augustine, FL 32085-0269

Sean Wilcox  
Buyer

XC: BP FILE  
VENDOR

## **TERMS AND CONDITIONS**

<b><u>BID ITEM:</u></b>	PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
<b><u>FOR:</u></b>	Department of Transportation
<b><u>PURCHASING CONTACT:</u></b>	<p>The Buyer, identified below, is the sole point of contact regarding this Bid from the date of issuance until the bids are opened and the results made public.</p> <p>Sean Wilcox Monroe County Division of Purchasing 39 West Main Street Room 200 Rochester, NY 14614 Email: <a href="mailto:swilcox@monroecounty.gov">swilcox@monroecounty.gov</a></p> <p>All requests for bid clarification must be submitted in writing to the Buyer referenced above and received no later than close of business (5:00 PM Eastern Standard Time) on <b><u>Tuesday, April 15, 2025</u></b>.</p> <p>All questions will be answered and documented in writing as an Addendum to the Bid. These will be sent out to all Bidders who received the original Bid no later than <b><u>Wednesday, April 16, 2025</u></b>.</p>
<b><u>DUPLICATE COPIES:</u></b>	<b><u>PLEASE SUBMIT YOUR BID IN DUPLICATE; THE ORIGINAL AND ONE (1) COPY.</u></b>
<b><u>BID INFORMATION:</u></b>	At the time of bid, the bidder shall supply detailed specifications covering the item(s) contained herein and shall clearly indicate any areas in which item or items offered do not fully comply with the specifications contained herein.
<b><u>SUBMITTAL OF FORMAL PROPOSAL:</u></b>	<p>Bid proposal must be legible and submitted in the original form, bearing an original signature. <b>EMAILS AND FACSIMILES ARE NOT ACCEPTABLE.</b></p> <p>All bidders must submit proof that they have obtained the required <b>Workers' Compensation and Disability Benefits Insurance</b> coverage or <b>PROOF</b> that they are exempt. (Visit <a href="http://www.wcb.ny.gov">www.wcb.ny.gov</a> for forms.)</p>
<b><u>SPECIFICATION ALTERATIONS:</u></b>	Specifications will be construed to be complete and be considered the entire description of the goods or services upon which Monroe County is now seeking bids. <b>Only formal written addenda can materially alter this set of specifications.</b> No verbal statement made by a Monroe County employee or anyone else is binding nor shall such statement be considered an official part of this public bid proposal.

**QUANTITIES:**

The quantities listed are the estimated annual requirements and should not be construed to represent either maximum or minimum quantities to be ordered during the contract term. **Estimates are based upon actual annual usage by County departments only.**

**BRAND  
REFERENCE:**

References to a manufacturer's product by brand name or number are done solely to establish the minimum quality and performance characteristics required. Bidders may submit bids on alternates, but must attach two (2) copies of manufacturer specifications for any alternate at the time of the bid. Further, the bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a bidder's alternate rests solely with Monroe County.

**QUALIFIED BIDDER:**

Each bidder must be prepared to present satisfactory proof of his capacity and ability to perform this contract. Such proof may include, but is not limited to, an inspection of the bidder's facilities and equipment, financial statements, references and performance of similar contracts. **The Purchasing Manager reserves the right to reject any bid where the bidder cannot satisfy the County as to their ability to perform.** Monroe County reserves the right to reject any and all bids if the Monroe County Purchasing Manager deems said action to be in the best interests of Monroe County.

**METHOD OF  
AWARD:**

Monroe County intends to award the bid to the lowest responsive and responsible bidder, based on the **TOTAL**. **Bidder must bid on all items in order to be considered.** **The County reserves the right to reject any and all bids** if the Purchasing Manager deems said action to be in the best interest of the County.

**CONTRACT TERM:**

Contract will start with the date of the contract award and run through **April 30, 2026**, with the option to renew the contract up to four (4) additional twelve (12) month periods with the mutual consent of both parties.

**PRICE CHANGES:**

Price changes may be proposed by either party on a quarter annual basis no less than (30) days prior to the end of such quarter year, or no less than (30) days prior to the end of contract term, based upon manufacturer or supplier price changes that must be supported with specific documentation justifying the change. Should proposed price changes not be acceptable to both parties, the contract may be terminated by either party at the end of the quarter year or contract term.

**MINIMUM ORDER:**

No minimum order is specified for this contract. Agencies must be able to order as needed. **Political subdivisions and others authorized by law may participate in this contract.**

**DELIVERY:**

All deliveries to be F.O.B. Monroe County to agency as specified by a Purchase Order. Delivery costs must be built into the unit prices bid. Deliveries must be made within **two (2) weeks** after receipt of order. The County reserves the right to terminate the contract in the event the specified delivery time is not met.

**PURCHASE ORDER  
ISSUANCE:**

Delivery of services may be directed by the receipt of a Purchase Order only. **Items that are not part of this bid will not be paid for by Monroe County.** As to all purchase orders issued by Monroe County, exceptions may only be authorized, in writing, by the Purchasing Manager or her authorized agent prior to delivery.

**BILLING  
PROCEDURE:**

All invoices for items sold any authorized agency as a result of this contract must be billed in the following manner: Purchase Order #, Quantity, Description of Item Purchased, BP#, Item #, Extension and Total. **ALL INVOICES MUST BE MARKED WITH THE PURCHASE ORDER NUMBER. INVOICES WITHOUT THIS INFORMATION WILL NOT BE PROCESSED FOR PAYMENT.**

**WARRANTY/  
GUARANTEE:**

All warranties by manufacturer shall apply. Bidder shall, as part of its proposal, furnish its warranty/guarantee for all goods/services to be furnished hereunder. As a minimum, Bidder shall warrant all goods for a period of one (1) year from date of acceptance. Bidder shall be obligated to repair or replace all defects in material or workmanship, which are discovered or exist during said period. All labor, parts and transportation shall be at Bidder's expense.

**UNCONTEMPLATED  
PURCHASES:**

Monroe County reserves the right to request separate bids for such quantities of items on this contract that may be best procured via separate public bid offering and to otherwise act in furthering its own best interests.

**SUBCONTRACT:**

The Contractor shall not subcontract any work without first obtaining the written consent of the Monroe County Purchasing Manager.

**RELATED ITEMS:**

The County reserves the right to add miscellaneous related items to this contract during the contract term upon agreement by both parties as to the price. Approval must be given in writing by the Purchasing Manager or her Designee.

**REPORT OF  
PURCHASE:**

The Contractor must, upon request, provide the County Purchasing Manager with detailed information showing how much of each item was delivered to any and all agencies under this contract. This includes deliveries to not only the County but any other municipality or agency which orders from this contract.

**OTHER AGENCIES:**

The Contractor(s) **must** honor the prices, terms and conditions of this contract with political subdivisions or districts located in whole or in part within Monroe County. In addition, the contractor **may**, but is not required to, extend the prices, terms and conditions of this contract to any other political subdivision or district. Usage of this contract by any of these other political subdivisions or districts will have to be coordinated between that subdivision or district and the contractor. Orders placed against this contract between any subdivision or district will be contracts solely between the Contractor(s) and those entities. Monroe County will not be responsible for, nor will it have any liability or other obligation for, such contract between the Contractor(s) and any third party.

**INDEMNIFICATION:**

The Contractor agrees to defend, indemnify and save harmless the County, its officers, agents, servants and employees from and against any and all liability, damages, costs or expenses, causes of action, suits, judgments, losses and claims of every name not described, including attorneys' fees and disbursements, brought against the County which may arise, be sustained or occasioned directly or indirectly by any person, firm or corporation arising out of or resulting from the performance of the services by the Contractor, arising from any act, omission or negligence of the Contractor, its agents and employees or arising from any breach or default by the Contractor under this Agreement. Nothing herein is intended to relieve the County from its own negligence or misfeasance or to assume any such liability for the County by the Contractor.

**EQUAL PAY  
CERTIFICATION:**

Prior to the execution of this Agreement, the Contractor shall submit to the County an Equal Pay Certification ("Certification") affirming the Contractor's compliance with the Federal Equal Pay Act, 29 USC § 206 and New York State Labor Law §194, as amended from time to time ("Equal Pay Laws"). As set forth in the Certification, the Contractor's violation of one or more of the Equal Pay Laws or its filing of a false or misleading Certification during the term of this Agreement may constitute grounds for the County in its sole discretion to immediately terminate the Agreement and for determining the Contractor to be not qualified to participate in future Monroe County contracts.

**BP#0315-25**  
**PREFORMED THERMOPLASTIC PAVEMENT MARKINGS**  
**SPECIFICATIONS**

<b>ITEM</b>	<b>C686.20xxxxxx</b>	<b>PREFORMED THERMOPLASTIC PAVEMENT MARKINGS</b>
	<b>C686.30xxxxxx</b>	
	<b>C686.40xxxxxx</b>	
	<b>C686.50xxxxxx</b>	
	<b>C686.60xxxxxx</b>	

**DESCRIPTION**

Under this item the CONTRACTOR shall provide preformed thermoplastic pavement markings as specified in the materials section below.

**MATERIAL DETAILS**

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.
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.
3. The markings shall not have minimum ambient and road temperature requirements for application, storage, or handling.
4. Material must be composed of an ester modified resin 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.

A) Graded Glass Beads:

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.
2. The material must have factory applied coated surface beads in addition to the intermixed beads at a rate of 1/2 lb. ( $\pm 20\%$ ) per 11 sq. ft. These factory applied coated surface beads and abrasives must be applied in an alternating arrangement across the surface of the material so that the surface is covered in what is best described as a "checkerboard" pattern of glass beads and abrasive materials. The abrasive material must have a minimum hardness of 9 (Mohs scale). The factory applied coated surface beads shall have a minimum of 80% true spheres, minimum refractive index of 1.50, and meet the following gradation.

Size Gradation		Retained, %	Passing, %
US Mesh	Um		
12	1700	0 - 2%	98 - 100%
14	1400	0 - 6%	94 - 100%
16	1180	1 - 21%	79 - 99%
18	1000	28 - 62%	38 - 72%
20	850	62 - 71%	29 - 38%
30	600	67 - 77%	23 - 33%
50	300	86 - 95%	5 - 14%
80	200	97-100%	0 - 3%

Size Gradation		Retained, %	Passing, %
US Mesh	µm		
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%

(Flexible Material)

B) **Pigments:**

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.
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. Other Colors: The pigments must be heavy-metal free.

C) Heating indicators: 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.

D) Skid Resistance: 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.

E) Slip Resistance: The surface of the preformed thermoplastic material shall contain factory applied anti-skid elements with a minimum hardness of 9 (Mohs scale). Upon application the material shall provide a minimum static friction of coefficient of 0.6 when tested according to ASTM C 1028 (wet and dry), and a minimum static coefficient of friction of 0.6 when tested according to ASTM D 2047.

F) Thickness: The material must be supplied at a minimum thickness of 125 mils, with the exception of the handicap symbol and the gas pump symbol, which must be a minimum of 90 mils in thickness.

G) 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.

H) Retroreflectivity: 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  $275 \text{ mcd} \cdot \text{m}^{-2} \cdot \text{lx}^{-1}$  for white as measured with a 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.

I) Interconnected: The material must consist of interconnected individual pieces of preformed thermoplastic pavement material, which through a variety of colors and patterns make up the desired design. The individual pieces in each material segment, typically 2ft. x 3 ft. (.61m x .915m), must be factory assembled with a compatible material and interconnected in a single layer, so that it is not necessary to assemble the individual pieces within a material segment in the field.

J) Flexibility: The flexible material items must conform to the following requirements. In accordance with ASTM D522, the preformed thermoplastic marking materials shall have flexibility, such that when a 1 in. by 6 in.

sample is bent through an arc of 90° at a uniform rate in 10 seconds (9° per second) over a 1/8 inch mandrel at 77°F (25°C) and a ½ inch mandrel at 41°F (5°C), with no cracking occurring in the test sample. The sample must be conditioned at the stated temperatures (±2°) prior to testing for a minimum of four hours. At least two specimens tested must meet the flexibility requirements at 50°F for a passing result. (The 125 mil [3.15mm] thick material sheets tested were not bonded to panels.)

## **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.

## **METHOD OF MEASUREMENT**

Linear markings will be measured based on the number of linear feet provided. Letters and arrows will be counted for payment based on the number of each provided.

## **BASIS OF PAYMENT**

Unit prices shall include the cost of providing the marking material including all labor, material, and equipment necessary to complete the work to the satisfaction of the County.

Payment will be made under:

<b><u>Item No.</u></b>	<b><u>Item Description</u></b>	<b><u>Pay Unit</u></b>
686.200401	Preformed Thermoplastic Pavement Markings 4" x 2' long White	Linear Foot
686.200402	Preformed Thermoplastic Pavement Markings 4" x 2' long Yellow	Linear Foot
686.201201	Preformed Thermoplastic Pavement Markings 12" White	Linear Foot
686.201601	Preformed Thermoplastic Pavement Markings 16" White	Linear Foot
686.202401	Preformed Thermoplastic Pavement Markings 24" White	Linear Foot
686.202402	Preformed Thermoplastic Pavement Markings 24" Yellow	Linear Foot
686.2098	Preformed Thermoplastic Pavement Markings White Letters 3'	Each
686.209901	Preformed Thermoplastic Pavement Markings White Arrows (Straight 9'-10")	Each
686.209902	Preformed Thermoplastic Pavement Markings White Arrows (L or R 8'-0")	Each
686.209903	Preformed Thermoplastic Pavement Markings White Arrows (L or R 12'-9")	Each
686.400401	Preformed Thermoplastic Pavement Markings PM90WH QV VG 3'3" X 42" CHEVRONS ONLY (ONE CHEVRON = 2 STRIPES), PM600807 (For sharrows)	Each
686.400402	Preformed Thermoplastic Pavement Markings PM90WH Q2 VG 6' X 2' STRAIGHT ARROW, PM602005. (For bike lanes)	Each
686.400403	Preformed Thermoplastic Pavement Markings PM90WH Q5 VG 6' X 3'4" LEFT BIKE SYMBOL LEFT FACING, PM602006L (For bike lanes)	Each
686.400404	Preformed Thermoplastic Pavement Markings PM90WH QV VG 5'9" X 3'3" FT BIKE SYMBOL 892301031HS (Sharrows)	Each

<b><u>Item No.</u></b>	<b><u>Item Description</u></b>	<b><u>Pay Unit</u></b>
686.500101	Preformed Thermoplastic Pavement Markings 48" Handicap Symbol	Each
686.500102	Preformed Thermoplastic Pavement Markings 6' "ONLY" Legend	Each
686.500103	Preformed Thermoplastic Pavement Markings 6' x 15' Rte 490 Shield	Each
686.500104	Preformed Thermoplastic Pavement Markings 12" Lilac Purple Line (without reflective beads)	Linear Foot
686.500105	DM90WH/GN QV 4' x 4' EV Gas Pump Symbol	Each
686.601201	Preformed Flexible Thermoplastic Pavement Markings 12" White	Linear Foot
686.602401	Preformed Flexible Thermoplastic Pavement Markings 24" White	Linear Foot
686.602402	Preformed Flexible Thermoplastic Pavement Markings 24" Yellow	Linear Foot
686.6098	Preformed Flexible Thermoplastic Pavement Markings White Letters 3'	Each
686.609901	Preformed Flexible Thermoplastic Pavement Markings 9'-6" Straight Arrow	Each
686.609901A	Preformed Flexible Thermoplastic Pavement Markings 6' x 2' Straight Arrow	Each
686.609902	Preformed Flexible Thermoplastic Pavement Markings White Arrows (L or R 8'-0")	Each
686.609902A	Preformed Flexible Thermoplastic Pavement Markings White Arrows (L or R 12'-9")	Each
686.600403	Preformed Flexible Thermoplastic Pavement Markings PM90WH Q5 VG 6' X 3'-4" LEFT BIKE SYMBOL LEFT FACING, PM602006L (For bike lanes)	Each



## **SPECIFICATIONS- PREFORM**

### **PREFORMED THERMOPLASTIC PAVEMENT MARKINGS**

1. **Description:** This specification is for PREFORM, a preformed polymer thermoplastic pavement marking material, which is adhered to asphalt and concrete pavements and Portland cement concrete pavements by means of heat fusion/adhesion using a propane torch.
  - 1.1. These markings are suitable to use for roadway, intersection, commercial or private pavement delineation and markings.
  - 1.2. The markings shall be designed for straight lines, arrows, symbols, legends, letters/numbers, and specialty markings.
  - 1.3. PREFORM is designed for high urban traffic volumes and severe wear and will not deteriorate due to exposure to sunlight, oil and gasoline, water, salt, or pavement oil content.
  - 1.4. The preformed marking shall conform to the pavement contours. The marking shall have resealing characteristics and be capable of fusing to itself and previously applied worn hydrocarbon and alkyd thermoplastic.
  - 1.5. Configurations shall conform to the current Manual of Uniform Traffic Control Devices for Street and highways as issued by the U.S.A. Federal Highway Administration.
  - 1.6. The markings must be a resilient white or colored thermoplastic product with uniformly distributed glass beads on surface and throughout the entire cross section of the material.
2. **Quality Control:** Must have a quality control plan in place and good manufacturing practices (GMP).
3. **Material Composition:** PREFORM is comprised of alkyd modified ester rosin that will not be deteriorated by gas or oil. In addition, the material contains aggregates, pigments, binders, and glass beads which have been factory produced as a finished product. Some markings, such as arrows, are produced without beads for directional purposes and receive drop on beads during installation. The thermoplastic material shall conform or exceed AASHTO designation M249, except for the relevant differences due to the material being supplied in a preformed state.
  - 3.1. **Glass Beads:** The preformed thermoplastic material shall have a minimum of 30% uniformly distributed glass beads throughout the entire cross section of the material. The exposed layer of glass beads shall provide immediate retro-reflectivity without additional glass beads being added on the material during application (reversible arrows are an exception).
    - 3.1.1. The intermixed beads shall be clear and transparent, and no more than twenty percent (20%) shall consist of irregular fused spheroids, or silica. The index of refraction shall not be less than 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 factories applied surface beads shall have the following specifications:
      - 3.1.3. 1) Minimum 80% rounds  
2) Minimum refractive index of 1.5
      - 3) Minimum SiO<sub>2</sub> content of 70%  
4) Maximum iron content of 0.1%

Size Gradation		Retained, %	Passing, %
US Mesh	µm		
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:** PREFORM shall be manufactured with 10% rutile titanium dioxide pigment meeting ASTM D-476 Type II, or as stated by state specifications.
- 3.2.2. **Yellow, Blue, and Red:** PREFORM shall be manufactured with sufficient and Ultraviolet stable pigments. The yellow pigments must be organic and must be heavy-metal free.

### 3.3. **Melting Index:**

- 3.3.1. The top surface of the material should be heated until the material has reached a molten state (fusible liquid).
- 3.3.1.1. Material will appear to be shiny.
- 3.3.1.2. The edges will relax and slant downward.
- 3.3.1.3. Small bubbles and/or steam can be visible.
- 3.3.1.4. Material is completely conformed to surface being applied to.
- 3.3.1.5. During normal application, the material shall not mar or discolor and/or turn brown

All the above signify that a satisfactory adhesion and proper bead embedment has been achieved.

- 3.4. The top side of the material, where the top beads are located, shall have factory applied heat indicators to assist the applicator in determining when the material has reached its molten state.
4. **Skid Resistance:** The surface of PREFORM, with properly applied and embedded top dressing, must provide a minimum skid resistance value of 45 BPN when tested according to ASTM: E 303.
5. **Thickness:** The width of the supplied material shall have a minimum average thickness of 90 mil (2.286mm) or 125 mil (3.15mm) as required.
6. **Versatility:** The turn arrows and combination arrows shall be available without bead toppings. This will allow for the reduction of inventory and last-minute job changes when required.
7. **Environmental Wear and Tear:** PREFORM is resistant to deterioration exposure to water, sunlight, adverse weather conditions and is impervious to oil and gasoline.
8. **Retro-reflectivity:** The preformed markings shall, upon application, exhibit uniform adequate nighttime reflectivity using a retro reflectometer with a 30-meter geometry and tested in accordance with ASTM E 1710. The preformed thermoplastic shall be capable of exceeding a retro-reflectivity value of 450 millicandelas for white and

250 millicandelas for yellow. Note: the retro reflection can vary greatly during installation depending on the amount of heat applied during installation. In colder temperatures, more heat is required for proper installation and may affect initial retro-reflection levels. Retro-reflectivity of the material will increase days/months after initial installation. Broadcasting beads during or after application shall be permitted providing it meets all requirements. The best practice is to remove excess beads to reduce shadowing.

9. **Installation:** Prior to application PREFORM shall remain flexible at temperatures above 40°F and shall be fusible to asphalt or concrete by means of the normal heat of a propane torch. In addition, the preformed thermoplastic material must be capable of being handled without breaking temperatures as low as 40°F (4°C).
  - 9.1. The type of torch shall be recommended by the manufacturer and have a rating between 210,000 and 600,000 BTU's.
  - 9.2. PREFORM shall be applied in accordance with the manufacturer's recommendations. All moisture must be completely removed from the substrate and the surface must be free of loose or chipping debris.
  - 9.3. Install primer prior to preformed thermoplastic on all concrete substrates.
10. **New Surfaces:** On most surfaces, markings shall be capable of being applied as the original permanent marking on the day the surface is paved without being adversely affected by the fresh pavement oil content. If excessive oil is present on top, it should be removed. When unsure, please contact your technical sales representative to acquire further guidance on specific pavement types.
11. **Packaging:** PREFORM shall be packaged in suitable cartons clearly labeled with items such as material thickness, batch #, part #, etc., for ease of identifying the contents.
  - 11.1. Cardboard stiffeners are to be placed in boxes where necessary.
  - 11.2. Each pallet is stretch wrapped and banded in both directions to avoid shifting during transit.
  - 11.3. The packaging shall be packed in 100% recycled materials.
  - 11.4. Maximum of 3' long pieces for linear material.
  - 11.5. The carton shall not weigh more than 70 lbs.
  - 11.6. Intricate markings shall be skin packaged to reduce possible shipping damage.
12. **Technical Services:** In the event technical assistance is needed, please call 888-826-5161 or contact your regional technical sales manager for assistance.

**BP#0315-25****PREFORMED THERMOPLASTIC PAVEMENT MARKINGS: FURNISH MATERIAL ONLY  
UNIT PRICE SHEET (as of 5/14/2025)**

ITEM #	UNIT	ITEM DESCRIPTION	UNIT BID PRICE DOLLARS/CENTS
686.200401	LF	PREFORMED THERMOPLASTIC PAVEMENT MARKINGS – 4" X 2' LONG WHITE	\$ <u>1.05</u>
686.200402	LF	PREFORMED THERMOPLASTIC PAVEMENT MARKINGS – 4" X 2' LONG YELLOW	\$ <u>1.11</u>
686.201201	LF	PREFORMED THERMOPLASTIC PAVEMENT MARKINGS – 12" WHITE	\$ <u>2.09</u>
686.201601	LF	PREFORMED THERMOPLASTIC PAVEMENT MARKINGS – 16" WHITE	\$ <u>4.19</u>
686.202401	LF	PREFORMED THERMOPLASTIC PAVEMENT MARKINGS – 24" WHITE	\$ <u>4.19</u>
686.202402	LF	PREFORMED THERMOPLASTIC PAVEMENT MARKINGS – 24" YELLOW	\$ <u>4.47</u>
686.2098	EA	PREFORMED THERMOPLASTIC PAVEMENT MARKINGS 3' WHITE LETTERS	\$ <u>37.63</u>
686.209901	EA	PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WHITE ARROWS (STRAIGHT (9'-10'))	\$ <u>60.20</u>

**BP#0315-25****PREFORMED THERMOPLASTIC PAVEMENT MARKINGS: FURNISH MATERIAL ONLY  
UNIT PRICE SHEET (as of 5/14/2025)**

ITEM #	UNIT	ITEM DESCRIPTION	UNIT BID PRICE DOLLARS/CENTS
686.209902	EA	PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WHITE ARROWS (L or R 8' - 0")	\$ <u>69.83</u>
686.209903	EA	PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WHITE ARROWS (L or R 12' - 9")	\$ <u>126.35</u>
686.400401	EA	PREFORMED THERMOPLASTIC PAVEMENT MARKINGS PM90WH QV VG 3'3" X 42" CHEVRONS ONLY (ONE CHEVRON = 2 STRIPES), PM600807 (For sharrows)	\$ <u>33.60</u>
686.400402	EA	PREFORMED THERMOPLASTIC PAVEMENT MARKINGS PM90WH Q2 VG 6' X 2' STRAIGHT ARROW, PM602005. (FOR BIKE LANES)	\$ <u>26.95</u>
686.400403	EA	PREFORMED THERMOPLASTIC PAVEMENT MARKINGSPM90WH Q5 VG 6' X 3'4" LEFT BIKE SYMBOL LEFT FACING, PM602006L (FOR BIKE LANES)	\$ <u>63.46</u>
686.400404	EA	PREFORMED THERMOPLASTIC PAVEMENT MARKINGSPM90WH QV VG 5'9" X 3'3" FT BIKE SYMBOL 892301031HS (SHARROWS)	\$ <u>65.98</u>
686.500101	EA	PREFORMED THERMOPLASTIC PAVEMENT MARKINGS 48" HANDICAP SYMBOL	\$ <u>75.30</u>
686.500102	EA	PREFORMED THERMOPLASTIC PAVEMENT MARKINGS 8' "ONLY" LEGEND	\$ <u>117.94</u>

**BP#0315-25****PREFORMED THERMOPLASTIC PAVEMENT MARKINGS: FURNISH MATERIAL ONLY  
UNIT PRICE SHEET (as of 5/14/2025)**

ITEM #	UNIT	ITEM DESCRIPTION	UNIT BID PRICE DOLLARS/CENTS
686.500103	EA	PREFORMED THERMOPLASTIC PAVEMENT MARKINGS 6' X 15' Rte 490 SHIELD	\$ <u>999.95</u>
686.500104	LF	PREFORMED THERMOPLASTIC PAVEMENT MARKINGS 12" LILAC PURPLE LINE (without reflective beads)	\$ <u>9.10</u>
686.500105	EA	PREFORMED THERMOPLASTIC PAVEMENT MARKINGS DM90WH/GN QV 4' X 4' EV GAS PUMP SYMBOL	\$ <u>123.75</u>
686.601201	LF	PREFORMED FLEXIBLE THERMOPLASTIC PAVEMENT MARKINGS – 12" WHITE	\$ <u>2.09</u>
686.602401	LF	PREFORMED FLEXIBLE THERMOPLASTIC PAVEMENT MARKINGS – 24" WHITE	\$ <u>4.19</u>
686.602402	LF	PREFORMED FLEXIBLE THERMOPLASTIC PAVEMENT MARKINGS – 24" YELLOW	\$ <u>4.47</u>
686.6098	EA	PREFORMED FLEXIBLE THERMOPLASTIC PAVEMENT MARKINGS – 3' WHITE LETTERS	\$ <u>37.63</u>
686.609901	EA	PREFORMED FLEXIBLE THERMOPLASTIC PAVEMENT MARKINGS 9' – 6" STRAIGHT ARROW	\$ <u>60.20</u>
686.609901A	EA	PREFORMED FLEXIBLE THERMOPLASTIC PAVEMENT MARKINGS 6' X 2' STRAIGHT ARROW	\$ <u>26.95</u>
686.609902	EA	PREFORMED FLEXIBLE THERMOPLASTIC PAVEMENT MARKINGS WHITE ARROWS (L OR R 8' - 0")	\$ <u>69.83</u>

**BP#0315-25**  
**PREFORMED THERMOPLASTIC PAVEMENT MARKINGS: FURNISH MATERIAL ONLY**  
**UNIT PRICE SHEET (as of 5/14/2025)**

ITEM #	UNIT	ITEM DESCRIPTION	UNIT BID PRICE DOLLARS/CENTS
686.609902A	EA	PREFORMED FLEXIBLE THERMOPLASTIC PAVEMENT MARKINGS WHITE ARROWS (L OR R 12' - 9")	\$ <u>126.35</u>
686.600403	EA	PREFORMED FLEXIBLE THERMOPLASTIC PAVEMENT MARKINGS PM90WH Q5 VB 6' X 3' – 4" LEFT BIKE SYMBOL LEFT FACING, PM 602006L (For bike lanes)	\$ <u>63.46</u>

NOTE: Prices are based on supplying materials only and do not include installation of the preformed thermoplastic pavement markings. Markings are priced at the Unit of Measure stated on the bid documents but are sold in standard packaging increments which is industry standard. All markings are manufactured by Preform, LLC. Preform, LLC preformed thermoplastic pavement markings are approved for use by New York State DOT.

## **COMPLIANCE WITH FEDERAL SINGLE AUDIT ACT**

In the event the Contractor is a recipient through this contract, directly or indirectly of any funds of or from the United States Government, Contractor agrees to comply fully with the terms and requirements of Federal Single Audit Act [Title 31 United States Code, Chapter 75], as amended from time to time. The Contractor shall comply with all requirements stated in Federal Office of Management and Budget Circulars A-102, A-110 and A-133 and such other circulars, interpretations, opinions, rules or regulations that may be issued in connection with the Federal Single Audit Act.

If on a cumulative basis the Contractor expends Seven Hundred Fifty Thousand and no/100 Dollars (\$750,000.00) or more in federal funds in any fiscal year, it shall cause to have a single audit conducted, the Data Collection Form (defined in Federal Office of Management and Budget Circular A-133) shall be submitted to the County; however, if there are findings or questioned costs related to the program that is federally funded by the County, the Contractor shall submit the complete reporting package (defined in Federal Office of Management and Budget Circular A-133) to the County.

If on a cumulative basis the Contractor expends less than Seven Hundred Fifty Thousand and no/100 Dollars (\$750,000.00) in federal funds in any fiscal year, it shall retain all documents relating to the federal programs for three (3) years after the close of the Contractor's fiscal year in which any payment was received from such federal programs.

All required documents must be submitted within nine (9) months of the close of the Contractor's fiscal year end to:

Monroe County Internal Audit Unit  
304 County Office Building  
39 West Main Street  
Rochester, New York 14614

The Contractor shall, upon request of the County, provide the County such documentation, records, information and data and response to such inquiries as the County may deem necessary or appropriate and shall fully cooperate with internal and/or independent auditors designated by the County and permit such auditors to have access to, examine and copy all records, documents, reports and financial statements as the County deems necessary to assure or monitor payments to the Contractor under this contract.

The County's right of inspection and audit pursuant to this contract shall survive the payment of monies due to Contractor and shall remain in full force and effect for a period of three (3) years after the close of the Contractor's fiscal year in which any funds or payment was received from the County under this contract.