

BID SOLICITATION



City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga TN 37402

BID OPENING DATE AND TIME:
09/16/2008 2:00 PM
BID NUMBER: B0005459

SEALED BIDS

Mail or submit two (2) signed copies of bid form to this office in the enclosed envelope. Retain one copy for your file.

BUYER: Hipp, Geoffrey
PHONE #: (423) 757 - 4758 ext.
DELIVERY REQUIRED: 09/16/2008 2:00 PM

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Item	Class-Item	Quantity	Unit	Unit Price	Total
	Requisition No.: R0112991 Ordering Dept.: Traffic Operations Buyer: Geoffrey Hipp 423-757-4758 ***** DESCRIPTION: This shall be a twenty-four (24) month requirements contract for Thermoplastic Paving Marking Materials - Yellow and White. The contract may be renewed for one (1) additional twelve (12) month term under the same Terms and Conditions by Mutual Agreement. The City of Chattanooga and the Contractor may bilaterally extend the contract by Written Confirmation by both parties at least 30 days prior to the contract's current expiration date into any successive term as provided herein. ***** ATTACHMENTS: - Specifications - Affirmative Action Plan - Standard Terms and Conditions: (http://www.chattanooga.gov/Finance/66_StandardTermsandCondition or call for copy) ***** * *** BIDS MUST BE RECEIVED NO LATER THAN *** ***** 2:00 PM ON SEPTEMBER 16, 2008 ***** * ***** PLEASE SUBMIT BIDS IN DUPLICATE ***** NOTE: All bids received are subject to the terms and conditions contained herein and as listed in the above referenced website. The undersigned Bidder acknowledges having received, reviewed, and agrees to be bound to these terms and conditions, unless specific written exceptions are otherwise stated.				

NOTE: ALL BIDS RECEIVED ARE SUBJECT TO THE TERMS AND CONDITIONS.

ALL BIDS MUST BE SIGNED: The undersigned offers the above quoted prices under the conditions contained herein.

The City is Exempt from all Federal and State Tax.
Bids will be received at the above mentioned address.

COMPANY: _____

TERMS OF PAYMENT: _____

SIGNATURE: _____

TELEPHONE NUMBER: _____

NAME AND TITLE: _____

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	<p>The City of Chattanooga reserves the right to reject any and/or all bids, waive any informalities in the bids received, and to accept any bid which in its opinion may be for the best interest of the city.</p> <p>The City of Chattanooga will be non-discriminatory in the purchase of all goods and services on the basis of race, color, or national origin.</p> <p>PLEASE PROVIDE US WITH THE FOLLOWING INFORMATION:</p> <p>Company Name _____</p> <p>Address _____</p> <p>Phone/Toll-Free No. _____</p> <p>Fax No. _____</p> <p>E-Mail Address _____</p> <p>Contact Person's Name _____</p> <p>Minority-Owned Business ___ Small Business ___ Veteran ___</p> <p>Minority Woman Owned Business ___ Disabled Veteran ___</p> <p>Women-Owned Business ___</p> <p>***** ALL ITEMS MUST BE QUOTED F.O.B. DESTINATION *****</p>				
1.0	630-66 Thermoplastic Paving Marking Materials (Yellow) - Tuffline (in 50# bags but priced per ton)	1.00	TON		
2.0	630-66 Thermoplastic Paving Marking Materials (WHITE) - Tuffline (in 50# bags but priced per ton)	4.00	TON		
				TOTAL:	

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CITY OF CHATTANOOGA
 DEPARTMENT OF PUBLIC WORKS
 TRAFFIC ENGINEERING DIVISION SPECIFICATION FOR ALKYD/MALEIC THERMOPLASTIC
 PAVEMENT MARKINGS JULY 25, 1995

SCOPE:

1.1 This specification covers a reflectorized pavement striping material of the type that is applied to a road surface in a molten state by EXTRUSION means with a surface application of glass spheres. When applied properly and at the designated thickness and width the stripe shall, upon cooling, be reflectorized and be able to resist deformation by traffic.

CLASSIFICATION:

2.1 The thermoplastic material shall be homogeneously composed of pigment, filler, resins, and glass reflectorizing spheres. The thermoplastic material shall be available in both white and yellow.

MATERIAL SHOULD MEET THESE RESULTS

3.1 GLASS SPHERES:

Gradation Sieve Size	Required	Typical Results Mass Percent Passing
20	100	100.0
30	75 - 95	88.4
50	15 - 35	20.4
100	0 - 5	0.3
Roundness (true spheres)	70% Minimum	75.1
Crushing Resistance	30 Pounds Minimum	33.0
Refractive Index	1.50 Minimum	1.51

3.2 COMPOSITION REQUIREMENTS:

	White	Yellow	
Percent Binder (Min.)	18.0%	18.0%	20.0
Glass Beads (Min.)	20.0%	20.0%	25.0
Titanium Dioxide (Min.)	6.0%	NR	6.0
Inert Filler (Max.)	NR	NR	

SPECIFICATIONS:
ALKYD/MALEIC THERMOPLASTIC PAVEMENT MARKING
PAGE 2

4.1 PHYSICAL PROPERTIES:

	White	Yellow	
Reflectance (Min.)	75%	45%	79.2
Drying Time	Pass	Pass	PASS
Bond Strength (Min.)	180 PSI	180 PSI	303
Cracking Resistance	Pass	Pass	PASS
Impact Resistance (Min.)	10 in.lb.	10 in.lb.	11.9
Softening Point (Deg.F.)	194 Min.	194 Min.	222
Flowability 4 hour (Max.)	18%	21%	13.8
Yellowness Index (Max.)	.15	NR	.13
Flowability Extended			
Heating (Max.)	28%	28%	14.2
Specific Gravity (Max.)	2.15	2.15	2.13

4.2 DRYING TIME:

When applied at a temperature range of 211 +/- 7 degree C. (412 + 12.5 degree F.) and thickness of 3.2mm (.125 in.) the material shall set to bear traffic in not more than 2 minutes when the air temperature is 50 degree F. and not more than 15 minutes when the air temperature is 90 degree F.

4.3 STORAGE LIFE:

The material shall meet the requirements of this specification for a period of one year. The thermoplastic must also melt uniformly with no evidence of skins or unmelted particles for this one year time period. Any material not meeting the above requirements shall be replaced by the manufacturer.

4.4 MELT DOWN:

Melt down time shall not exceed 2 hours.

APPLICATION PROPERTIES:

- 1 The thermoplastic material shall readily be applicable at temperatures between 204.4 degree C. - 226.6 degree C. (400 - 440 degree F.) from the approved equipment to produce a cross section of line 2.4mm (3/32").
- 2 The material shall not exude fumes which are toxic, obnoxious or injurious to persons or property when it is heated during application.

SPECIFICATIONS:ALKYD/MALEIC THERMOPLASTIC PAVEMENT
MARKINGPAGE 3

- 5.3 The application of additional glass beads by drop-on method shall be at a rate specified by the purchaser and agreed upon by the applicator.
- 5.4 The temperature-viscosity characteristics shall remain constant up to 4 hours when heated to the application temperature and shall show like characteristics from batch to batch. The color shall not exceed the reflectance limitations on the specifications after 4 hours at 218.3 degree C. (425 degree F.), nor shall it change from batch to batch.

PACKAGING AND MARKINGS:

- 6.1 The thermoplastic traffic material shall be granulated form in (50 lb.) bags that dissolve in the melting kettle. Each container shall designate the color; manufacturer's name, batch number and date of manufacture. Each batch manufactured shall have its own separate number. The label shall warn the user that the material shall be heated in the range of 204 - 226 degree C. (400 - 440 degree F.) during application.
- 6.2 The vendor shall assume all costs arising from the use of the patented materials, equipment, devices or processes used on or incorporated in the work, agrees to indemnify and save harmless the purchaser and its duly authorized representatives from all suits at law or action of every nature for, or on account of, the use of any patented materials, equipment, devices or processes.

Affirmative Action Plan

The City of Chattanooga is an equal opportunity employer and during the performance of this Contract, the Contractor agrees to abide by the equal opportunity goals of the City of Chattanooga as follows:

1. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, or handicap. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, national origin, or handicap. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
2. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, or handicap.
3. The Contractor will send to each labor union or representative of workers with which he/she has a collective bargaining agreement or other contract or understanding, a notice advising said labor union or workers' representatives of the Contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
4. In all construction contracts or subcontracts in excess of \$10,000 to be performed for the City of Chattanooga, any contractor and/or subcontractor is further required to file in duplicate within ten (10) days of being notified that it is the lowest responsible bidder, an affirmative action plan with the EEO Director of the City of Chattanooga. This plan shall state the Contractor's goals for minority and women utilization as a percentage of the work force on this project.
5. This Plan or any attachments thereto shall further provide a list of all employees annotated by job function, race, and sex who are expected to be utilized on this project. This plan or attachment thereto shall further describe the methods by which the Contractor or Subcontractor will utilize to make good faith efforts at providing employment opportunities for minorities and women.

During the term of this contract, the Contractor upon request of the City, will make available for inspection by the City of Chattanooga copies of all payroll records, personnel documents and similar records or documents that may be used to verify the Contractor's compliance with these Equal Opportunity provisions.

6. The Contractor will include the portion of the sentence immediately preceding paragraph 1 and the provisions of paragraph 1 through 6 in every subcontract so that such provisions will be requested of each subcontractor. The Contractor agrees to notify the City of Chattanooga of any subcontractor who refuses or fails to comply with these equal opportunity provisions. Any failure or refusal to comply with these provisions by the contractor and/or subcontractor shall be a breach of this contract.

(Signature of Contractor)

(Title and Name of Company)

(Date)