

**Planholder list for
C.P. 09:04
Will be available for viewing at:**

www.co.martin.mn.us/Highway/Highwaydepart

NOTICE:

If you downloaded this Proposal from our website, please email our office at jill.redenius@co.martin.mn.us to be added to the planholder list and to be included in any possible addendum mailings.

**MARTIN COUNTY HIGHWAY DEPARTMENT
1200 MARCUS STREET
FAIRMONT, MN 56031-3746**

**PROPOSAL
FOR HIGHWAY CONSTRUCTION**

**SEALED BIDS SHALL BE CLEARLY MARKED:
"PROJECT NO. C.P. 09:04"**

BIDS RECEIVED UNTIL **10: 00 A.M., July 2, 2009** AT THE
MARTIN COUNTY HIGHWAY DEPARTMENT
ENGINEER'S OFFICE
1200 MARCUS STREET
FAIRMONT, MN 56031-3746

PROPOSAL OF: _____
(Name of Firm)

(Address) (E-mail Address)

(City, State, Zip) (Tax ID)

(Area Code-Telephone No.) (Fax No.)

TO FURNISH AND DELIVER ALL MATERIALS AND TO PERFORM ALL WORK IN ACCORDANCE WITH THE CONTRACT, THE PLANS AND THE APPROVED DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION", 2005 EDITION, ON FILE IN THE OFFICE OF THE COMMISSIONER OF TRANSPORTATION, EXCEPT AS STATED OTHERWISE IN THE SPECIAL PROVISIONS WHICH ARE PART OF THIS PROPOSAL, FOR:

COUNTY PROJECT NO. C.P. 09:04

LOCATION: On various roads in Martin & Faribault Counties

STARTING DATE: As requested by County Engineer

COMPLETION DATE: Within 10 working days

NOTICE TO BIDDERS: In submitting a bid, you must return this complete proposal. You must initial changes made in the Schedule of Prices in the Proposal and acknowledge addenda on the back cover sheet.

MARTIN COUNTY HIGHWAY DEPARTMENT
MARTIN COUNTY
1200 Marcus Street
Fairmont, MN 56031

SPECIFICATIONS AND BID PROPOSAL FOR
HIGHWAY PAVEMENT STRIPING FOR 2009

Letting Date: July 2, 2009, 10:00 A.M.

This work shall consist of furnishing paint, labor, equipment and the placing of broken yellow centerline stripe, yellow no passing lines and solid white shoulder stripe for the season's requirements for both Martin and Faribault Counties. The successful bidder shall furnish all necessary signs on equipment for directing traffic during striping operations.

A 4" broken yellow line shall be used for the centerline stripe. The 4" broken centerline shall be on a 50-foot spacing, 10 feet of stripe to 40-foot skip. A 4" solid yellow line shall be used to designate no passing zones. Edge lines shall be 4" solid white lines.

All paint used shall be latex premixed, paint, and shall meet the attached Specifications for High Solids Water Based Pre-mixed ReflectORIZED Traffic Paint. Paint shall be applied at a uniform rate of 300' to 330' lineal feet of stripe per gallon.

Work shall be done as requested by the County Highway Engineer and it is probable that the work will need to be completed with two (2) or more separate mobilizations to each Martin and Faribault Counties. Both counties will make an effort to schedule our work at the same time. No painting will be allowed during rainy weather or when the road surface is damp. The ambient air temperature must be at least 50 degrees Fahrenheit.

Equipment must be of the type for uniformly painting three lines of two colors at the same time, and paint a uniform line with sharp edges with a minimum of dripping between broken lines. Equipment must have a capacity for paint of at least 120 gallons and the paint mixer shall have continuous agitation. The Contractor must include a list of equipment with the bid.

All work must be done in a neat and orderly manner. All alignments are to be straight and no waves or veers will be tolerated. If the Engineer deems it necessary to target the road in order to insure good workmanship, it will be the Contractor's responsibility to do so. Any errors resulting from poor workmanship will be painted out and redone at the Engineer's direction. All cost of painting out shall be borne by the Contractor.

Martin and Faribault County reserve the right to increase or decrease any item wholly or in part without adjustments in the Contract prices. The provisions of 1903 of the Minnesota Department of Transportation Specifications are modified to the extent that the Contract Unit Prices will not be adjusted due to any increase or decrease in quantity. Acceptance of this bid does not guaranty any purchase or work or material

by Martin or Faribault County or by the County Highway Engineer on behalf of either County.

The Contractor and any authorized subcontractors shall provide proof of liability insurance prior to Contract execution. Minimum coverage shall be as follows:

<u>Coverage</u>	<u>Limits of Liability</u>
A. Bodily Injury Liability	\$1,000,000 each person \$1,000,000 aggregate or occurrence
B. Property Damage Liability Property damage limits shall include coverage for explosion, collapse and underground calamities.	\$1,000,000 each occurrence
C. Automobile Liability	\$1,000,000 per accident
D. Worker's Compensation	Statutory Requirement

Payment for paint and drop on beads shall be paid for by the actual gallons of paint furnished and applied.

Work shall commence within 10 working days after notification. Damages may be assessed at \$100.00 per calendar day after that time and continue until work is started.

The Contractor shall not use the County shops or any County property or Right of Way for cleaning the striping machinery or paint containers.

As a precedent to the Award of Contract, the successful bidder shall furnish a Payment/Performance Bond in the Total Bid Amount.

SPECIFICATION
HIGH SOLIDS WATER BASED PRE-MIXED REFLECTORIZED TRAFFIC PAINT

I. SCOPE

This specification covers fast-dry white and yellow acrylic latex traffic marking paints which contain a mixture of a pigmented binder and glass bead which are thoroughly mixed together in a uniform condition ready for use for application on concrete and bituminous pavements at spray temperatures of up to 125°F. When applied at pavement temperatures above 50°F and at relative humidities of up to 75 percent the paint shall dry to a no-track condition within 3 minutes. The paints shall be free of lead, mercury, cadmium, hexavalent chromium or any other toxic heavy metals.

The term "pre-mixed reflectORIZED traffic paint" shall refer to paint which contain a mixture of pigmented binder and glass beads. The term pigmented binder refers to the pigment and vehicle. The term glass beads refer to glass spheres. This pre-mixed reflectORIZED traffic paint is ready for use. Four (4) pounds of dual coated drop-on glass beads, having both a silicone moisture resistance coating and a silane adherence coating, are dropped on the line at the time of application.

II. GENERAL REQUIREMENTS

A. Quality

The paint shall be formulated from first-grade materials and shall be suitable in all respects for application at elevated spray temperatures with drop-on glass beads using, conventional traffic striping equipment.

The finished paint shall be smooth and homogeneous, free of coarse particles, skins or any other foreign materials that are detrimental to its application or appearance.

B. Package Stability

Within a period of twelve months from the time of delivery, the paint shall not cake, settle, liver, thicken, skin, curdle, gel or show any other objectionable properties which cannot readily be corrected with minimal stirring. Any paint with properties that make it unsuitable for use within the specified twelve months shall be returned to the supplier for credit.

It shall be the manufacturer's responsibility to add sufficient anti-settling agents, stabilizers and other additives to insure proper storage stability.

C. Manufacturing and Packaging

Manufacturer shall be capable of producing paint in batches of 1,000 gallons or larger. The paint shall be screened with a 40 mesh or finer screen to remove any coarse particles, skins or foreign material.

The paint shall be packaged in lined, 55 gallon or 5 gallon containers as specified. To prevent formation of "skins", the manufacturer shall use a "float" of ammonia water on the paint surface, or a "floating type" plastic liner on the top of the filled container, or some other means that will effectively prevent skinning.

Drums shall be Full Removable-Head Universal meeting the requirements of DOT-17H; covers shall have one 2-inch and one 3/4 inch fitting. Each container shall be marked with the manufacturer's name, type of paint, batch number, date of manufacture, gross weight and container weight.

III. SPECIFIC REQUIREMENTS

Properties of the finished paint

The exact composition of the paints shall be left to the discretion of the manufacturer, provided the finished paint meets the requirements of this specification.

The vehicle shall be composed of a 100% acrylic polymer such as Rohm and Haas E-2706, or an approved equal.

Wgt per gal, 77°F, lbs, min	12.0
Viscosity, Krebs Stormer, 77°F, K.U.	80 - 100
Total Solids, % by weight, minimum	73
Non-volatile vehicle, % by weight, minimum	43
Combined content of pigment & glass beads % by weight	45 - 62
Titanium Dioxide, white paint, lbs/gal, minimum	1.0
Dry Time, 12 mil wet film, @ 65% RH, minutes, max	12
Dry Through, @ 90% RH, minutes, max	130
Daylight Directional Reflectance, white, minimum	83
Daylight Directional Reflectance, yellow, minimum	50
Contrast Ratio, minimum	0.98
Bleeding Ratio, minimum	0.97
Flexibility and Adhesion	No cracking or flaking
Water Resistance	No blistering or loss of adhesion
Settling	Rating of 6 or better
Skinning, 48 hrs	None
Track Free Time, minutes, maximum	3
Ph, minimum	9.6
Glass bead content, lbs/gallon minimum	4

Organic Yellow Pigment, The prime pigment in the organic yellow paint shall be Color Index Pigment Yellow Number 65 or Number 75.

Color, The color of the dry white paint shall be a pure flat white, free of tint. The color of the yellow paint shall closely match Color Number 33538 of Federal Standard 595 and shall conform to the following CIE Chromaticity limits using illuminant "C":

x	0.470	0.485	0.520	0.480
y	0.440	0.460	0.450	0.420

Heavy Metals, The white and organic yellow paints shall be free of lead, mercury, cadmium, hexavalent chromium and other toxic heavy metals as defined by the United States Environmental Protection Agency.

IV. TESTING

Weight Per Gallon	ASTM D 1475
Viscosity	ASTM D 562
Fineness Of Grind	ASTM D 1210
Total Solids	ASTM D 2369
Total Pigment	ASTM D 2371
Titanium Dioxide	ASTM D 4563; D 1394
Dry Time (12 mils wet)	ASTM D 711 (modified)
Daylight Directional Reflectance	ASTM D 2805
Contrast Ratio (15 mils wet)	ASTM D 2805
Bleeding Ratio	Federal Specification TT-P-85
Color	ASTM D 2805
Ph	ASTM E 70
Retro-reflectivity	Mn/DOT Method

Flexibility and Adhesion. Apply 15 mil wet film thickness to 3" by 5" tin panel. Dry at 77°F for 24 hrs followed by 2 hrs at 122°F. When bent over a 1/2" mandrel the paint shall adhere firmly without evidence of cracking or flaking.

Water Resistance, Apply 15 mil wet film thickness to 4" by 8" glass plates; dry at 77°F for 72 hrs. Immerse in distilled water at 77°F for 24 hrs. Allow to air dry for 2 hrs on a flat surface. Paint shall show no blistering or loss of adhesion.

Skinning, After 72 hrs in a tightly sealed 3/4 filled container, the paint shall be free of lumps and skins when strained through a 100 mesh screen.

Settling, A homogeneous sample of paint in a full one-pint friction-top can shall be inverted for one hour to insure a complete seal between the cover and body of the can. After one hour the can shall be placed upright in a 120°F oven. After 5 days the can shall be cooled to room temperature for 4 hours. When evaluated according ASTM D 869, the degree of settling shall have a rating of 6 or better.

Track Free Time, When applied under the following conditions, the line shall show no visual tracking when viewed from 50 feet after driving a passenger vehicle over the line at a speed of 25-35 mph.

- Fifteen mils wet film thickness.
- Eight pounds of glass beads per gallon of paint.
- Paint temperature at nozzle between 110-160°F.
- Pavement temperature of 50 to 120°F.

Dry Time, Tested according to ASTM D 71 1, except wet film thickness shall be 12±1 mils. The applied film shall be immediately placed in a humidity chamber controlled at 65±3% R.H. and 72.5±2.5°F and with minimal air flow.

Dry Through, The film shall be applied to a non-absorbent substrate at a wet film thickness of 12±1 mils and placed in a humidity chamber controlled at 90±5% R.H. and 72.5±2.5°F. The dry through time shall be determined according to ASTM D 1640, except that the pressure exerted shall be the minimum needed to maintain contact with the thumb and film.

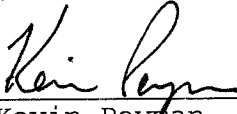
VOC, Less than 150 grams/liter

Glass Beads, The beads shall be transparent and colorless to the extent that they shall not impart a noticeable daytime hue to the paints. They shall be spherical in shape and not more than 20 percent shall be imperfect beads which are irregular or fused spheroids. When tested with U.S. Standards sieves, the beads shall conform to gradation:

Passing Number 70 Sieve.....	100 Percent
Passing Number 90 Sieve.....	85-100 Percent
Passing Number 140 Sieve.....	15-55 Percent
Passing Number 230 Sieve.....	0-10 Percent

I hereby certify that these Special Provisions were prepared by me or under my direct supervision and that I am a duly registered Professional Engineer under the laws of the State of Minnesota.

Dated 4/1/09



Kevin Peyman
Reg. No. 40907

TO THE HONORABLE BOARD OF MARTIN COUNTY COMMISSIONERS:

In accordance with the advertisement of Martin County inviting proposals for Highway Striping and in conformity with the specifications pertaining thereto, (I) (we) propose to perform this work for the Martin and Faribault County Highway Departments at the following prices:

<u>ITEM NO.</u>	<u>ITEM</u>	<u>APPROXIMATE QUANTITIES</u>	<u>UNIT PRICE*</u>	<u>AMOUNT*</u>
9400.100	Reflective Yellow Paint F&A Centerline & No Passing Zone	2,500 gallons	_____	_____
9405.100	Solid Reflective White Edge Line Paint F&A	11,700 gallons	_____	_____
TOTAL AMOUNT BID				=====

*Above prices shall include sales tax at the new 6.875% rate

Enclosed is a certified check or bid bond in the amount of \$_____, five percent (5%) of the bid, made payable to the County Treasurer, as a proposal guarantee which it is agreed by the undersigned will be forfeited in the event the Contract is not executed, if awarded to the undersigned.

Signed: _____

Title: _____

Company Name: _____

Address: _____

Phone: _____

Date: _____

Project No. Martin County C.P. 09:04

GRAND TOTAL \$ _____

PROPOSAL GUARANTY required by 1208 of the Specifications: "A (certified check) (bond), prepared as required by 1208 of the Specifications and payable to the Martin County Treasurer, in an amount equal to at least 5% of the total amount of the bid is submitted herewith as a proposal guaranty.

It is agreed by the undersigned that this Proposal Guaranty will be forfeited as provided in 1307 of the Specifications in the event this proposal is accepted and the prescribed "non-collusion affidavit" (as described in 1302 of the Specifications), the Contract and the Contract Bond are not executed.

RECEIPT OF ADDENDA as required by 1210 of the Specifications:

The undersigned hereby acknowledges receipt of and has considered:

Addendum No. ____ Dated _____ Addendum No. ____ Dated _____

Addendum No. ____ Dated _____ Addendum No. ____ Dated _____

Signed _____

EXECUTION OF PROPOSAL as required by 1206 of the Specifications:

This proposal dated the ____ day of _____, 20__

Signed: _____, P.O. Address _____ as an individual.

Signed: _____, P.O. Address _____ as an individual.

doing business under the name and style of

Signed: _____, for _____ a partnership.

NAME

BUSINESS ADDRESS

Signed: _____, for _____ a corporation,

incorporated under the laws of the State of Minnesota

Name of President _____ Business Address _____

Name of Vice-President _____ Business Address _____

Name of Secretary _____ Business Address _____

Name of Treasurer _____ Business Address _____

(NOTE: Signatures shall comply with 1206 of the Specifications.)