

CALL FOR BIDS

NOTICE IS HEREBY GIVEN that the Board of County Commissioners of Lewis County or designee, will open sealed proposals and publicly read them aloud on or after 12:30 p.m. on **Tuesday, December 15, 2020**, at the Lewis County Courthouse, Chehalis, Washington, for the 2021 Traffic Paint Proposal. This contract provides for furnishing Traffic Paint to Lewis County.

SEALED BIDS MUST BE DELIVERED BY OR BEFORE 12:30 P.M. on Tuesday, December 15, 2020

(Lewis County official time is displayed on Axxess Intertel phones in the office of the Board of County Commissioners.
Bids submitted after 12:30 PM will not be considered for this project.)

Sealed proposals must be delivered to the Clerk of the Board of Lewis County Commissioners (351 N.W. North Street, Room 210, CMS-01, Chehalis, Washington 98532), by or before **12:30 P.M.** on the date specified for opening, and in an envelope clearly marked: ***“SEALED BID FOR THE 2021 TRAFFIC PAINT PROPOSAL, TO BE OPENED ON OR AFTER 12:30 P.M. ON DECEMBER 15, 2020.*”**

Each proposal shall be in accordance with the specifications and other contract documents now on file with the County Engineer. The contract documents may be viewed and downloaded from Lewis County's Web Site @ www.lewiscountywa.gov, you may call the Lewis County Engineer's office @ (360) 740-2671 or email Rose.Williams@lewiscountywa.gov and request a copy be mailed to you.

Lewis County will act in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, subtitle A, Office of the Secretary, Part 21, nondiscrimination in federally assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises as defined at 49 CFR Part 26 will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, national origin or sex in consideration for an award.

The BOCC reserves the right to reject any or all bids and to waive all informalities in the bidding.

PUBLISH:

The Chronicle –December 1st and 8th, 2020
The Daily Journal of Commerce, Seattle–December 1st and 8th, 2020
Lewis County website at www.lewiscountywa.gov/

TRAFFIC PAINT SPECIFICATIONS

Low VOC Waterborne Paint

Consideration of Bids

The Board of County Commissioners reserves the right to reject any or all bids, waive informalities, and to contract as the best interests of the County may appear. In determining the lowest responsive bidder, consideration will be given to such factors as prices quoted, delivery, and quality of products.

The current edition of the WSDOT Standard Specifications for Road, Bridge and Municipal Construction are incorporated and hereby made a part of this contract.

Cooperative Purchases

The Washington State Interlocal Cooperative Act, RCW 39.34, provides that other governmental agencies may purchase goods and services on this solicitation or contract in accordance with the terms and prices indicated therein if all parties are willing.

Contract Renewal Periods

This proposed agreement shall remain in effect for a period of 30 days from and after its effective date and shall automatically be renewed on a month to month basis thereafter unless either party hereto serves notice upon the other party of its intention to cancel at least 30 days in advance of the termination of the first month, or during any monthly renewal thereof. Notice during each renewal term may occur at any time during the course of such term. Prices will be considered firm for at least the first 30 days of the contract. No change in services or prices will be allowed without written consent of both parties, pursuant to the following conditions:

“Prices will be subject to increase or decrease in the same proportion as changes occur in the vendor’s certified costs, providing the vendor requests an adjustment from the Purchasing Department 30 days prior to the effective date. The written request shall be accompanied by written proof of said changes in cost to vendor and is subject to acceptance by the Purchasing Department. The County shall have the option of accepting the price change or canceling the balance of the contract. All price decreases must be offered to the County.”

Total contract period not to exceed 5 years.

Scope

This specification is intended to cover ready-mixed, single-component waterborne traffic marking paint, to be applied to either asphalt or Portland cement concrete pavements.

Delivery and Container Return

Contractor will deliver paint to the Lewis County Public Works Central Shop Facility located at 109 Forest Napavine Road East, Chehalis, WA 98532, yard within ten (10) business days from receiving order from Lewis County. Contractor will confirm receipt of order(s) and delivery date(s) in writing, preferably by e-mail, by 3:00 p.m. the next workday. Contractor shall notify County in writing within twenty four hours (24) of order date if delivery cannot be completed as requested. County may cancel an order and make the purchase from another source if

Contractor cannot complete the order as requested. Repeated failure to meet delivery requirements may result in contract cancellation.

At the time paint is delivered, Contractor shall pick up empty containers from the point of delivery at no cost to County. County shall load empty containers from stockpile site onto Contractor's transport vehicle. No empty containers shall accumulate at Lewis County Road Department site without permission in writing by County.

County will only accept deliveries 7:00 a.m. to 3:00 p.m. Monday through Thursday. NO FRIDAY DELIVERIES OR PICKUPS. Lewis County will not accept deliveries or pickups on weekends or state-observed holidays. Contractor shall notify Lewis County by telephone at least twenty-four (24) hours prior to delivery. All prices quoted are FOB Chehalis, WA.

County will acknowledge delivery of paint by signing and dating the "Bill of Lading".

Contractor shall notify the ordering party in writing, preferably by e-mail, by 3:30 p.m. the next workday after delivery for complete order, if the ordering party is not present at the time of delivery. Contractor will mail the "Bill of Lading" signed and dated by the Contractor if the ordering party is not present at the time of delivery.

Orders shall be accompanied by a Material Safety Data Sheet (MSDS). A copy of the MSDS for both white and yellow paint shall be provided to County at the beginning of the contract.

Marking

Containers shall be labeled or stenciled on a background color matching the paint in the container. The label or stencil shall be legible and applied on the container in a prominent location with the following information (abbreviations may be used):

- Name of Contractor
- Location of manufacturing plant
- Date of paint manufacture
- Specification and formula number or Product Code
- Color
- Batch number
- Containers shall be clearly labeled "Waterborne Traffic Paint"

All containers of the paint shall be labeled to indicate that the contents fully comply with all rules and Federal regulations concerning air pollution control. The manufacturer of the paint shall be responsible for proper shipping labels with reference to whether the contents are: toxic, corrosive, flammable, etc., in accordance with local, state, and federal regulations.

Materials containing solvents, cleaning agents, chemicals, or other hazardous materials shall be labeled in accordance with local, state, and federal regulations.

Increased or Decreased Quantities

Lewis County will not adjust the unit price submitted by the successful bidder for any increases or decreases in the quantities listed in this contract. The County has entered the amount for the item in the proposal form only to provide a common basis for bidders.

Packaging

These paints will be in a plastic bladder inside a steel cage capable of holding 250 gallons of traffic paint. The size and shape of the container shall meet the requirements of Lewis County's equipment. Within thirty (30) days of written notice of completion of the Traffic Painting operations, the supplier shall be required to pick up all unused paint containers, from the Lewis County Central Shop Facility.

Samples, Testing, and Guarantee

Contractor shall sample and test all batches of paint manufactured for County. All samples shall be tested for resin type, total solids, dry time and opacity. Results of those tests are to be forwarded to Lewis County Traffic Control Department BEFORE product is shipped. Any batches found not in compliance will be rejected.

Random samples of shipped product will be collected by Lewis County from the field and may be tested as an additional quality control measure.

Multiple failures of product to pass testing will be cause for termination of the Contract, and the County reserves the right to award Contract to the second responsive bidder. The original Contractor will be liable for any difference in costs incurred by the County as a result of termination.

Contractor will certify that all products shipped to Lewis County are in complete compliance with these specifications. Any product found to be out of compliance will be shipped back to the Contractor's manufacturing plant at the Contractor's expense and all costs will be credited to the County immediately.

Contractor shall guarantee the product for a period of twelve (12) months after manufacture and replace paint that is unfit for use due to: leaking containers, contaminates, dry caking, settling, gelling, clumping, separation, livering, skinning while stored in the original container received from Contractor, or causing any system filter to clog after less than 1,500 gallons of products used.

Specifications

The following specifications have been tested and proven to fulfill Lewis County Road Department's striping needs. All submitted products shall meet the specifications as outlined in Appendix A with NO exceptions. Any product not meeting or exceeding said specification will be considered non-responsive.

Appendix A

BID REQUIREMENTS

ACRYLIC WATERBORNE TRAFFIC LINE PAINT

BID SPECIFICATIONS

GENERAL

Successful Bidder to furnish Lewis County with 100% Acrylic Waterborne Traffic Line Paint, in both white and yellow colors, in the following three types: 1) Rapid Dry; and 2) Cold Weather. The Traffic Line Paint shall be consistent with the specifications provided in this Bid.

Pavement marking traffic paints shall meet or exceed Technical Specifications for waterborne traffic paint, consistent with these provisions. The paints incorporate 100% acrylic waterborne emulsion technology known to give superior durability and bead binding capability. Applied at ambient temperature (77°F/50% RH), a 15 mil wet line shall dry track-free in 30 to 90 seconds when applied to either asphalt or Portland Cement Concrete. The paints can be applied hot or cold with waterborne compatible striping equipment.

- Quality Assurance: The bidder may be required to provide manufacturer certification in writing that the materials offered have been tested in accordance with the standards listed in this Bid. Lewis County reserves the right to request this additional product information prior to or after award and will be the sole judge for approving products offered.

This Bid covers two types of low volatile organic compound (VOC), ready-mixed, one component, 100% acrylic waterborne traffic line paint.

Type 1: Rapid Dry Waterborne Traffic Line Paint

Type 2: Cold Weather Waterborne Traffic Line Paint

Each paint type may be applied to either asphaltic or Portland Cement Concrete pavements. Each paint type shall be available in two colors, white and yellow, and shall be furnished as specified in this Bid.

Descriptions and Technical Specifications:

Type 1: Rapid Dry Waterborne Traffic Line Paint

This paint dries fast under marginal conditions of humidity and airflow. The paint shall possess early washout resistance and durability in terms of retention of glass beads for night visibility and wear resistance.

Type 1 Rapid Dry paint shall also be available in an optional "Spring/Fall" formula. The spring/fall paint formulation is designed for equivalent performance but applied at lower ambient temperatures; this is accomplished by a higher allowable VOC limit, as described in the Type 1 technical specifications below. This formula is typically used at temperatures between 45° and 65° F with similar track free drying characteristics as the standard rapid dry paint. The spring/fall rapid dry formulation shall be provided upon request at the time of order placement, with no increase in the cost per gallon as the standard rapid dry paint.

ACRYLIC WATERBORNE TRAFFIC LINE PAINT

Type-1: Required Technical Specifications
(100% ACRYLIC POLYMER EMULSION)
White and Lead Free Yellow

	<u>White</u>	<u>Yellow</u>	<u>Test</u>
Pigment Solids % by weight	60-65	60-65	ASTM D3723
Nonvolatile Vehicle % by weight	36min	36min	ASTM D2369
Total nonvolatile Solids % by weight	75 min	75 min	ASTM D2369
Total Solids % by volume	60 min	60 min	ASTM D2697
PH min	9.5	9.5	ASTM E70
Contrast Ratio @ 15 mils wet	98 min	96 min	ASTM D2805
Color Reflectance	84% min	50% min	
Bleed ratio	#8 no bleed	#8 no bleed	ASTM D969/D868
Density in pounds per gallon	13.8 min	13.6 min	ASTM D1475
Viscosity, K.U. @ 10°C	105 max	105 max	ASTM D562
Viscosity, K.U. @ 25°C	80-90	80-90	ASTM D562
Viscosity, K.U. @ 50°C	75 min	75 min	ASTM D562
Fineness of grind, Hegman	3 min	3 min	ASTM D1210
Laboratory dry time, Minutes @ 12 mils	6 max	6 max	ASTM D711
No tracking time, actual @ 77°F, 50% RH, 15 mils wet in seconds	90 max	90 max	Spec Section 6.0
Dry through time in minutes	130 max	130 max	Spec Section 9.0
Freeze / thaw, cycles	5	5	ASTM D2243
Standard VOC max.	100 g/l	100 g/l	EPA Meth 24
Spring/Fall VOC, max.	150 g/l	150 g/l	EPA Meth 24
Flashpoint (min)	150 °F	150 °F	ASTM D93
Vehicle composition	Dow 2706 or 3427, Arkema 211 or 250		

Meets performance of TTP1952E, Type II

ACRYLIC WATERBORNE TRAFFIC LINE PAINT

Type 2: Cold Weather Waterborne Traffic Line Paint

This paint is intended for low temperature applications. The Cold Weather traffic paint shall provide good performance, good durability, and good drying speed at temperatures between 30° and 45° F. The Cold Weather traffic paint is typically used for applications not exceeding a wet application of 15 mils.

Type-2: Required Technical Specifications

(100% ACRYLIC POLYMER EMULSION)

White and Lead Free Yellow

	<u>White</u>	<u>Yellow</u>	<u>Test</u>
Pigment Solids % by weight max	58-64	58-64	ASTM D3723
Nonvolatile Vehicle % by weight	41 min	41 min	ASTM D2369
Nonvolatile Solids % by weight	76 min	76 min	ASTM D2369
Total Solids % by volume	60 min	60 min	ASTM D2697
PH min	9.5	9.5	ASTM E70
Contrast Ratio @ 15 mils wet	98 min	96 min	ASTM D2805
Color Reflectance	84% min	50% min	
Density in pounds per gallon	13.7 +/-	13.3 +/-	ASTM D1475
Viscosity, K.U. @ 10°C	105 max	105 max	ASTM D562
Viscosity, K.U. @ 25°C	80-90	80-90	ASTM D562
Viscosity, K.U. @ 50°C	75 min	75 min	ASTM D562
Fineness of grind, Hegman	3 min	3 min	ASTM D1210
Laboratory dry time, Minutes @ 12 mils	10 max	10 max	ASTMD711
VOC, max	150 g/l	150 g/l	EPA Meth 24
No tracking time, seconds @ 40°F	180 max	180 max	Spec Section 6.0
50% RH, 15 mils wet in seconds			
Flashpoint, min	150°F	150 °F	ASTM D93
Vehicle composition	Dow only	XSR	

Thinning is not recommended for this product

Meets performance of TTP 1952E, TYPE II

APPLICABLE AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM) STANDARDS

All paint must comply with the following applicable standards:

- D93 – Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester
- D562 – Standard Test Method for Consistency of Paints Measuring Krebs Unit (KU) Viscosity Using a Stormer-Type Viscometer
- D711 – Standard Test Method for No-Pick-Up Time of Traffic Paint
- D868 – Standard Practice for Determination of Degree of Bleeding of Traffic Paint
- D1210 – Standard Test Method for Fineness of Dispersion of Pigment-Vehicle Systems by Hegman-Type Gage
- D1475 – Standard Test Method For Density of Liquid Coatings, Inks, and Related Products
- D1640 – Standard Test Methods for Drying, Curing, or Film Formation of Organic Coatings
- D2243 – Standard Test Method for Freeze-Thaw Resistance of Water-Borne Coatings

- D2369 – Standard Test Method for Volatile Content of Coatings
- D2486 – Standard Test Methods for Scrub Resistance of Wall Paints
- D2697 – Standard Test Method for Volume Nonvolatile Matter in Clear or Pigmented Coatings
- D2805 – Standard Test Method for Hiding Power of Paints by Reflectometry
- D3723 – Standard Test Method for Pigment Content of Water-Emulsion Paints by Low-Temperature Ashing
- D3960 – Standard Practice for Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings
- D4060 – Standard Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser
- D4366 – Standard Test Methods for Hardness of Organic Coatings by Pendulum Damping Tests
- E70 – Standard Test Method for pH of Aqueous Solutions With the Glass Electrode

TESTING METHODS

All paint supplied must also pass the following testing methods:

- No Tracking Time

“No Tracking Time” shall be the time required for the line to withstand the running of a standard automobile over the line at a speed of approximately 40 mph without tracking of the reflectorized line when viewed from a distance of 50 feet.

- Water Resistance

The paint shall show no softening, blistering, loss of adhesion, or other evidence of deterioration when tested as follows:

Apply a wet film thickness of 15 mils with a Bird Film Applicator to a clean glass plate. Let dry in a horizontal position at room temperature (70 to 80°F) for 24 hours. Immerse one-half the painted plate in distilled water at room temperature for 10 minutes. Remove plate and dry with paper towel. Apply tape to cover 1½ inches of “wet” area. Pull tape from dry to wet. This completes one cycle. Repeat procedure until failure; 8 cycles minimum is required for a pass in this test.

- Static Heat Stability

The paint shall show no change in consistency greater than +/-5 KU nor coagulation, lumps or coarse particles when tested as follows:

Put 450 ml of paint in a 473 ml (1 pint) lined container, close the container, seal it with tape, and put in an oven maintained at 135°F +/-1° for 7 days. Equilibrate the paint at standard conditions and mix thoroughly with gentle stirring. Examine paint for livering and hard settling and determine viscosity.

- Dry Through/Early Washout

The paint shall show acceptable drying and curing characteristics when tested as follows:

Draw down the paint on a glass panel to a wet film thickness of 15 mils. Immediately place in a humidity chamber maintained at 72° F ± 3° F and 90% ± 3% relative humidity. Test in accordance with ASTM D1640 except that the pressure exerted will be the minimum needed to maintain contact with the thumb and film.

Glass Beads (Type A)

Glass Beads (Type A) for Traffic Marking Paint shall meet the requirements of the current WSDOT Section 9-34.4 Glass Beads for Pavement Marking Materials.

Appendix B

Lewis County Web Site – www.lewiscountywa.gov
 PROPOSAL TO: BOARD OF COUNTY COMMISSIONERS
 LEWIS COUNTY
 CHEHALIS, WASHINGTON 98532

Members:

This certifies that the undersigned agrees to furnish traffic paint meeting the specifications shown on this proposal to the Lewis County Public Works Central Shop Facility located at 109 Forest Napavine Road East, Chehalis, WA 98532, at the following schedule of rates and prices:

NOTE: Unit prices for all items and total amount of bid shall be shown.
 All entries must be typed or entered in ink.

Item	Gallons	Unit Price		Amount	
		Dollars	Cents	Dollars	Cents
Rapid Dry Waterborne Traffic Line Paint (Yellow)	20,000	\$ _____		\$ _____	
Rapid Dry Waterborne Traffic Line Paint (White)	20,000	\$ _____		\$ _____	
Cold Weather Waterborne Traffic Line Paint (Yellow)	500	\$ _____		\$ _____	
Cold Weather Waterborne Traffic Line Paint (White)	500	\$ _____		\$ _____	
Glass Beads (Type A)	140 Ton	\$ _____		\$ _____	
		Sub Total		\$ _____	
		Sales Tax @ 7.8%		\$ _____	
		Total Bid		\$ _____	

DATED this _____ day of _____, 2020

FIRM NAME: _____

By: _____
 (Signature)

Title: _____

Address: _____

Telephone Number: () _____

U. B. I. NUMBER: _____