

SPECIFICATIONS FOR
PAVEMENT MARKING CHAMPAIGN COUNTY ROADS

GENERAL CONDITIONS

SCOPE: It is the intent of these specifications to describe the labor and materials required for the reflectorized pavement marking of specific County Roads in accordance with the Manual of Uniform Traffic Control Devices for Streets and Roads, Part II, Standard Pavement Markings, of the Ohio Department of Highways. It is the intent to have the County Roads painted with yellow intermittent line and solid yellow lines wherever necessary to indicate intersections, curves and no-passing zones. It is the intent to have the County Roads painted with solid white reflective edge lines. It is also the intent to have all pavement markings uniform with those of the State of Ohio so that the markings will be uniform in design, position and application.

SUPERVISION: All work to be done under this contract shall be under the supervision of the County Engineer or his authorized representative. Determination of the methods used to obtain the specified results, direction of the contractor's employees and operation of equipment shall rest with the contractor.

SAFETY: The Contractor shall operate in a safe manner at all times. Equipment shall have all of the safety features and the necessary safety equipment required by law. The contractor shall furnish and issue personal safety equipment to his employees as required and see to it that such equipment is used. The Contractor shall be responsible for maintaining traffic at all times and also protect painted lines as required. Any other safety measures necessary will be used to keep the traveling public aware that work is being done on the Highway.

LIABILITY: The Contractor shall carry Workman's Compensation, public liability, personal liability, and property damage insurance. The Contractor shall furnish satisfactory evidence of insurance coverage to the maximum extent of \$5,500,000.00 bodily injury and \$5,100,000.00 property damage to insure adequate payment for any damage caused by their operations.

REFERENCES AND EVIDENCE: Each bidder shall satisfy the County Engineer, by reference to work which he has performed, that he is fully competent to properly execute work of the kind and class required by these specifications. Each bidder shall submit, with his proposal, evidence of previous experience by himself in paint striping or pavement marking of the type to meet all specifications as set by the State of Ohio Department of Transportation. All Contractors shall be pre-qualified by the State of Ohio Department of Transportation for paint striping and to be able to perform work designated in these specifications.

MINIMUM WAGE RATES: This contract is covered by Ohio Prevailing Wage rates which are part of these specifications. Wage rates can be viewed at the State of Ohio, Department of Commerce website.

BID AND PERFORMANCE BOND: All bidders shall submit with their bid, a bid bond, certified check or cashier's check in the amount of 5 percent of their bid conditioned upon the successful bidder entering into a contract within ten (10) days after being notified of the acceptance of his bid.

The successful bidder shall provide a certified check, cashier's check or performance bond in the amount of 25 percent of his bid conditioned upon performance of the contract.

The name and address of the Surety Company and Agent must be included with all bid and performance bonds.

Finding for Recovery: An award will not be made to any bidder, including the lowest and best bidder or the lowest responsive and responsible bidder against whom a finding for recovery has been issued by the Ohio Auditor of State, if the finding for recovery is unresolved, as provided in Section 9.24 of the Ohio Revised Code, whether or not it is clear that any funds used in this project could be deemed state funds. A bidder with an unresolved finding for recovery shall be deemed not a best or not a responsible bid.

DMA FORM: Declaration Regarding Material Assistance/Non-Assistance to a Terrorist Organization (DMA) Form HLS 0038 2/06 is found at <http://www.publicsafety.ohio.gov/links/HLS0038.pdf> and must be signed and returned. This form serves as a declaration of the provision of material assistance to a terrorist organization or organization that supports terrorism as identified by the U.S. Department of State Terrorist Exclusion List. This list is found at <https://www.state.gov/j/ct/rls/other/des/123086.htm>

Affidavit of Compliance with O.R.C. 3517.13: Ohio Revised Code Section 3517.13(I)(3) and (J)(3) requires that no agency or department of this state or any political subdivision shall enter into any contract for the purchase of goods costing more than five hundred dollars or services costing more than five hundred dollars with a corporation, individual, partnership or other association organized under Chapter 1785 of the Revised Code, estate, or trust unless the contract includes a certification that the individuals named in Revised Code Sections 3517.13(I)(1) and (J)(1) are in compliance with the aforementioned provisions. The offeror is required to complete the attached AFFIDAVIT OF COMPLIANCE WITH OHIO REVISED CODE SECTION 3517.13. Failure to submit the required affidavit with the proposal/bid pack will deem the offeror's response to be non-responsive and disqualified from receiving further consideration.

COMPLETION TIME: All roads will be ready for striping by **August 20, 2019**. All work is to be completed by **October 5, 2019**. In accordance with Sections 108.06, 108.07, 108.08, and 108.09, liquidated damages in the amount of \$500.00 per day will be assessed for each calendar day the project is not completed. The Contractor shall prosecute his work with the utmost of speed, in order to complete the Contract at the earliest time possible. The Engineer may cancel all uncompleted work after **October 5, 2019**. The contractor shall accept payment for the completed work as full payment due under this contract.

OPERATING CONDITIONS: The contractor shall notify the Engineer (937/653-4848, ext.100) a minimum of forty-eight hours prior to the initial start of work. **The contractor shall notify the Engineer one working day prior to restarting work if there has been any interruption of work due to weather or other causes. Failure to do so will result in no weather delay days being awarded.** There will be no work performed from 6:00 P.M. on Saturday until 6:00 A.M. on Monday without approval of the Engineer.

SPECIFICATIONS

- A. Work performed and materials used shall conform to ODOT Construction and Material Specifications, 2016 edition.
- B. The contractor will perform layout work as a bid item. The County will furnish logs from previous work performed by MasterMind Systems Inc. Prior to submitting his bid, the bidder shall determine if the aforementioned logs are suitable for his use. Should the bidder use log sheets other than those provided by the County, he shall provide the County with copies of the logs used, prior to final payment.
- C. The contractor shall survey for no passing zones as a bid item. This work shall consist of driving the roads, "T" marking for solid lines and furnishing the County log sheets of this work.
- D. The contractor shall submit a bid for school zone marking in accordance with OMUTCD, Chapter 7. The general layout will follow Section 7C.06 Crosswalk lines should be 12" wide and 8' apart. Center or lane lines do not pass through "SCHOOL" marking.
- E. The contractor shall submit a bid for a railroad crossing cross buck in accordance with OMUTCD. The general layout will follow sheet P-24.
- F. Striping equipment shall be capable of applying traffic paint as recommended by the manufacturer and applying glass beads at the time of placement. All striping equipment shall be equipped with a data logging system (DLS) conforming to 641.04. Daily logs will be collected the next day.
- G. The paint unit shall be equipped with measuring devices to measure actual number of lineal footage of marking.
- H. The paint unit shall have a heat exchanger that is capable of maintaining the paint at a temperature of at least 140 to 150 degrees Fahrenheit. This is necessary to be able to maintain constant pressures on the atomization and paint tanks as well as to be able to keep the consistency of the paint at such temperatures to flow evenly regardless of the fluctuation in outside temperatures.
- I. The paint unit shall be a truck mounted unit equipped with a minimum of two guns making it capable of applying dashed centerline and "No-Passing" barrier lines simultaneously. This is necessary to keep adjacent lines in correct alignment.
- J. The paint unit shall be equipped with a warning sign to warn oncoming traffic by means of a sequential flashing chevron capable of flashing left to right, right to left, or pass either side.
- K. The contractor shall use an accurate dashing mechanism, which is capable of being easily adjusted to retrace existing dashed markings or apply new materials at the correct spacing. Dashed lines which are to be applied over plainly visible existing dashed lines shall begin within six inches of the beginning of the existing dash, unless otherwise directed by the Engineer.
- L. Paint for centerline or edge line must meet 2016 ODOT specification 740.02 for Type 1 paint. The contractor shall specify the manufacturer, color and code number of all paint in his bid.

M. Fast dry paint must be applied with equipment that meets the following requirements:

1. Traffic lines will be applied at temperatures to enable the paint to be track free within 180 seconds after application.

2. The paint binder shall be applied as supplied by the manufacturer and no thinning will be permitted. The binder shall be applied at a wet film thickness of 15 mils.

3. The paint unit shall be equipped with a pressure bead system to apply glass beads with a gun type dispenser to insure proper bead penetration and distribution. Glass beads shall be applied at 8 pounds per gallon of paint applied and shall comply with 2016 ODOT specification 642.03,642.04.

4. The painted lines shall be protected by means of a follow-up vehicle equipped with a sequential flashing chevron sign panel capable of flashing left to right, right to left, or pass either side, traveling approximately 1500 feet after the unit making the application.

N. The contractor will be responsible for the safe and lawful handling of paints, solvents and related materials including clean-up of all spills. He shall remove extra materials, empty drums and waste solvents or paint prior to final payment.

O. Contractor will arrange for all loading or unloading of paint and materials. The County Engineer does not have available manpower or equipment for loading or unloading of paint and materials.

P. Ensure that pavement markings are free of uneven edges, overspray, or other readily visible defects that detract from the appearance or function of the pavement markings. 641.04 606 Ensure that lines are sharp, well defined, and uniformly retroreflective. Fuzzy lines, excessive overspray, or non-uniform application are unacceptable. The Engineer will inspect lines at night to verify proper retroreflectivity. Correct pavement markings that are improperly applied, located, or reflectorized. Reapply lines applied with insufficient material quantities according to 641.11, 644.04 or 648.05. Remove improperly located lines according to 641.10, and apply new lines in the correct locations.

Q. Clean all visible loose or foreign material from the surface to be marked. Power-broom clean all surfaces where gore markings, centerlines, or edge lines are to be applied.

R. A weather day is defined as a workday that weather or seasonal conditions reduced production by more than 50 percent on items of work on the critical path. Submit the dates and number of weather days in writing using the forms supplied to the Engineer at the end of each week. In the event the Contractor fails to submit weather days at the end of each month the Engineer will determine the dates and number of weather days from project records.

2019 Pavement Marking					
Number	Road Name	From	To	Miles	Centerline Equivalent Miles
130	BRUSH LAKE	Urbana Woodstock	SR 296	4.336	7.600
33	CALLAND	SR 29	SR 245	3.774	5.009
182/183	CATAWBA MECHANICSBURG	County Line	St. Rt. 4	4.199	7.589
39	CEMETERY	Ward	SR 29	4.013	5.144
184	DALLAS	Valley Pk	US RT 68	3.180	4.026
21	ELM TREE	East	Shanley	4.503	4.675
239	HELLTOWN	SR 235	St. Corp Line	1.289	2.177
74/453	KANAGY	US RT 68	SR 245	4.323	5.391
130	KENNARD-KINGSCREEK	SR 296	SR 245	6.207	9.713
52	LICKLIDER	Elm Tree	SR 235	1.639	2.412
47	MAHAN	Elm Tree	SR 235	1.562	1.224
111	MINGO-LEWISBURG	Stevenson	North Lewisburg	4.271	7.925
167	MUTUAL-UNION	SR 29	Cable	6.984	9.996
37	NINE MILE	SR 29	Wesley Chapel	4.029	4.431
193	OLD TROY	SR 235	Kite (North)	4.365	5.704
10	PARKVIEW	US RT 36	Urbana Woodstock	1.776	2.609
157	PERRY	US RT 36	Urbana Woodstock	1.937	3.381
236	PISGAH	Three Mile	SR 56	4.751	6.882
17	RUNKLE	Elm Tree	Kite	6.914	8.179
32	SHANLEY	Champaign Logan Shelby	STR 245	4.168	3.394
148	SHEEHE	Mingo Lewisburg	Logan County Line	0.700	1.278
241/242	SNAPP	Kiser Lake	Cemetery	2.028	3.619
166	STRINGTOWN	Mutual Union	Parkview	3.504	6.421
45	SULLIVAN	Wesley Chapel	Upper Valley	2.558	3.477
2	URBANA WOODSTOCK	SR 296	Union County Line	9.567	15.388
451	VIRTS	SR 4	SR 54	0.661	1.298
160	YOCOM	US RT 36	Urbana Woodstock	2.369	3.444
117	COUNTY LINE	Urbana TWP shared Section	Buck Creek	0.00	3.834
95	MIDDLE URBANA	County Line Rd	Knight	0.00	1.650
96	KNIGHT	Middle Urbana	Urbana-Moorefield	0.00	1.747
101	DUGAN	Short Cut	Salem Twp Line	0.00	4.585
100	SLONE	Short Cut	Three Mile	0.00	1.557
206	N. MCMAHILL	US 36	Urbana-Woodstock	2.164	1.060
209	LINCOLN	SR 559	County Line	1.108	0.339
210	MARTIN	SR 559	County Line	1.829	1.612
149	GILBERT	SR 245	Mingo-Lewisburg	0.641	1.282
150	N. BURTON	Kauffman	SR 245	1.637	2.780
153	KAUFFMAN	Brush Lake	Burton	1.383	2.566
150/151	MCCARTY	Brush Lake	Woodstock Corp Limit	2.670	3.924
101	DUGAN	US RT 36	Urbana Corp Limit	0.000	0.224
			TOTAL - Mi	111.039	169.55
			Edge line - Mi	222.078	
			Needs Layout	38.69	
			Centerline - ft		895,199

METHOD OF PAYMENT

CENTERLINE (2 LINE SYSTEM): **Based on 4 gallons per mile for dash line and 16 gallons per mile for solid barrier line.** All lines placed shall be measured as actual number of miles being marked. The bid price shall be per mile of line, regardless of type.

EDGE LINE (16 GALLONS PER MILE OF LINE): Bid price will be per mile of line.

LAYOUT: Bid price per mile of road.

SURVEY: Bid price per mile of road.

AFFIDAVIT IN COMPLIANCE WITH SECTION 3517.13
OF THE OHIO REVISED CODE

STATE OF OHIO

COUNTY OF _____ SS:

Personally appeared before me the undersigned, as an individual or a representative of
_____ for a contract for _____

(Type of Product or Service)

to be let by the County of Champaign, who, being duly cautioned and sworn, makes the following statement with respect to prohibited activities constituting a conflict of interest or other violations under Ohio Revised Code Section 3517.13, and further states that the undersigned has the authority to make the following representation on behalf of himself or herself or of the business entity:

1. That none of the following has individually made within the two previous calendar years and that, if awarded a contract for the purchase of goods or services in excess of \$500, none of the following individually will make, beginning on the date the contract is awarded and extending until one year following the conclusion of the contract, as an individual, one or more campaign contributions totaling in excess of \$1,000, to any member of the Champaign County Board of Commissioners or their individual campaign committees:

- a. myself;
- b. any partner or owner or shareholder of the partnership (if applicable);
- c. any owner of more than 20% of the corporation or business trust (if applicable);
- d. each spouse of any person identified in (a) through (c) of this section;
- e. each child seven years of age to seventeen years of age of any person identified in divisions (a) through (c) of this section (only applicable to contributions made on or after January 1, 2007).

2. That none of the following have collectively made since January 1, 2007, and that, if awarded a contract for the purchase of goods or services in excess of \$500, none of the following collectively will make, beginning on the date the contract is awarded and extending until one year following the conclusion of the contract, one or more campaign contributions totaling in excess of \$2,000, to any member of the Champaign County Board of Commissioners or their individual campaign committees:

- a. myself;
- b. any partner or owner or shareholder of the partnership (if applicable);
- c. any owner of more than 20% of the corporation or business trust (if applicable);
- d. each spouse of any person identified in (a) through (c) of this section;
- e. each child seven years of age to seventeen years of age of any person identified in divisions (a) through (c) of this section;
- f. any political action committee affiliated with any person identified in divisions (a) through (c) of this section.

Signature _____

Title: _____

Sworn to before me and subscribed in my presence this _____ day of _____, 20_____.

Notary Public _____

My Commission Expires: _____

LEGAL NOTICE

Bids will be received by the Champaign County Commissioners in their office, 1512 South US 68, Suite A-100, Urbana, Ohio 43078, until 9:00 A.M., May 21, 2019, for pavement marking on Champaign County highways. Bids shall be accompanied by a bid bond, certified check or cashier's check in the amount of 5% of the bid. Bids shall be submitted in sealed envelopes marked "2019 Pavement Marking Bid". Specifications are on file at the office of the Champaign County Engineer, 428 Beech St., Urbana, Ohio 43078. The County reserves the right to reject any or all bids.

Board of Commissioners
Champaign County, Ohio

By: Stephen McCall P.E., P.S.
Champaign County Engineer

CHAMPAIGN COUNTY HIGHWAY PAVEMENT MARKING
BID FORM

<u>Item</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Extension</u>
1. Yellow Centerline Equivalent Miles and Barrier line	170+/-	_____ /mi	\$ _____
2. White Edge line	223+/- miles	_____ /mi.	\$ _____
3. Layout	39.00 miles	_____ /mi.	\$ _____

Total Bid \$ _____

Bidder's Name _____

Phone _____

Address _____

Signed _____

Title _____

Date _____

Notice to Bidders

It is requested that all prospective bidders return this form as soon as they receive the project or equipment specifications.

Re: 2019 Champaign County Pavement Marking

We have received the specifications and intend to respond as follows:

- We are interested and intend to bid on this project.
- We do not intend to bid on this project, but would like to receive invitations on similar future projects.
- We would like to be taken off your bidders list.

Company _____

Address _____

Contact _____

Phone _____ Fax _____

E-Mail Address _____

Please fax this completed form to us at (937)653-3172.