

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 www.homelandsecurity.ohio.gov/dma_terrorist/terrorist_exclusion_list.pdf

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 19, 2017**. All work is to be completed by **October 6, 2017**. 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 6, 2017**. 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 15 pounds per 100 square feet 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.

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 lineal feet of marking. The bid price shall be per foot 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.

SCHOOL CROSSING AND CROSSWALK: Bid price per legend.

RAILROAD CROSSING CROSSBUCK: Bid price per legend.

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 23, 2017, 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 "2017 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	158.04+/-	_____ /mi	\$ _____
2. White Edge line	246.078+ miles	_____ /mi.	\$ _____
3. Layout	7.45 miles	_____ /mi.	\$ _____
4. School Crossing Legends	6	_____ /each	\$ _____
5. School Crosswalk	1	_____ /each	\$ _____
6. Railroad Crossing Crossbuck	10	_____ /each	\$ _____
7. Crosswalk	1	_____ / each	\$ _____
8. Bike-Crossing	4	_____ / each	\$ _____
9. Survey	0	_____ / mi.	\$ _____

Total Bid \$ _____

Bidder's Name _____

Phone _____

Address _____

Signed _____

Title _____

Date _____

REVISED 4-18-2017

CHAMPAIGN COUNTY PAVEMENT MARKING PROGRAM

School Crossings and RR Crossings Locations

- School crosswalk (1) and SCHOOL legends (2) at Triad Schools on Brush Lake Road.
- School legends on Urbana Moorefield Road (1) and Hickory Grove Road (1) at Urbana Local School
- School legend on Parkview Road (2) at Mechanicsburg School.

Railroad crossing locations:

1. Snapp Road (between Kiser Lake Road and Ford Road)
- 2: Old Troy Pike (between Kite Road and Heck Road)
- 3: Shanley Road (between SR 235 and Rosewood Qunicy Road)
- 4: Runkle Road (between St. Paris-Jackson and Dialton Road)
5. Dallas Road (between Moore's Run and Cedar Creek Road)

(Two RR crossbucks at each location, total of **Ten Crossbucks**)

Crosswalks and Bicycle Crossings:

- Crosswalk at Kiser Lake Park (1)
- Bike-Crossing at Upper Valley Pike
- Bike-Crossing at Lippincott
- Bike-Crossing at Hickory Grove
- Bike-Crossing at Dallas

	2017 Pavement Marking				
					Centerline
Number	Road Name	From	To	Miles	Equivalent Miles
60	APPLE	St. Rt. 235	St. Paris Corp Line	2.281	3.055
T93	CAMP GROUND	US. RT. 68	ST. RT. 54	1.785	2.473
11	CARLISLE	St Rt. 245	Sink Hole	0.835	1.513
113	CATAWBA MECHANICSBURG	County Line	St. Rt. 4	2.382	3.261
T90	CEDAR CREEK	County Line	Dallas	1.415	2.494
142	DALLAS	Valley Pike	U.S. 68	3.180	4.026
14	DEGRAFF	Carlisle Pike	County Line	0.427	0.688
241	DIALTON	County Line	St Rt 55	1.228	1.477
285	ELM TREE	East	Shanley	4.503	4.675
193	ERIS	Millerstown Eris	St Rt. 560	0.468	0.520
21	FRIEND	St. Rt. 245	County Line	1.536	2.030
192	HANNA	St. Rt. 560	St. Rt. 29	2.006	1.850
265	HECK	St. Rt. 55	Old Troy Pike	1.479	0.481
209	HECK HILL	U.S. 36	Snapp	5.637	7.249
219	HELLTOWN	St. Rt. 235	St. Paris Corp	1.289	2.177
137	HICKORY GROVE	U.S. 55	St. Rt 54	3.708	5.093
69	KANAGY	Funk	Thackery	0.652	1.231
212	KISER LAKE	Maple	St. Rt. 29	6.773	9.712
240	KITE	St. Rt.55	U.S. 36	4.836	6.258
288	LICKLIDER	Elm Tree	St. Rt. 235	1.639	2.412
74	LUDLOW	St. Rt. 296	St. Rt. 245	6.702	8.384
280	MAHAN	Elm Tree	St. Rt. 235	1.562	1.224
139	MIDDLE URBANA	Kight	Hickory Grove	2.017	3.186
172	MILLERSTOWN	Zimmerman	St. Rt. 29	6.210	6.366
200	MILLERSTOWN-ERIS	Heck Hill	St. Rt. 560	4.200	6.080
29	MT TABOR	St. Rt. 245	Metz	1.706	2.059
118	MUTUAL-CATAWBA	St. Rt 54	St. Rt 29	3.588	5.298
258	OLD TROY	St. Rt. 235	St. Rt. 55	10.961	14.516
100	PARKVIEW	St. Rt. 36	Urbana Woodstock	1.244	1.614
218	POSSUM HOLLOW	St. Rt. 235	Kiser Lake	1.519	2.589
130	POWELL	Urbana Corp Line	St. Rt 54	0.510	0.504
129	PRAIRIE	County Line	St. Rt. 54	2.003	1.698
228	RUNKLE	Elm Tree	St. Rt. 36	8.565	12.808
15	SHANLEY	Champaign Logan	St. Rt. 245	4.168	0.726
33	SHEEHE	Mingo Lewisburg	County Line	0.700	1.278
127	SHORT CUT	St. Rt. 54	St. Rt. 54	2.355	3.779
184	SNAPP	Kiser Lake	St. Rt. 29	3.528	6.119
140	SPRINGFIELD URBANA	County Line	U.S. 68	0.845	1.682
12	SPRINGHILLS-DEGRAFF	St. Rt. 245	County Line	0.845	1.682
27	STEVENSON	St. Rt. 245	County Line	1.991	3.057
244	THACKERY	County Line	North Hampton Donn	2.199	3.628
233	VALLEY PIKE	County Line	St. Rt. 55	2.877	1.762
120	VIRTS	St. Rt. 4	St. Rt. 54	0.661	1.298
158	WESLEY CHAPEL	St. Rt. 29	St. Rt. 245	4.024	4.024
			TOTAL - Mi	123.039	158.04
			Edge line - Mi	246.078	
			Centerline - ft		834,430

Notice to Bidders

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

Re: 2017 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.