

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 completed 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 BONDS: Bids shall be accompanied by a bid guaranty bond in the amount of 100% of the bid or a certified check, cashier's check, or letter of credit in the

amount of 10% of the bid in accordance with section 153.54 O.R.C. If a certified check, cashier's check or letter of credit is submitted with the bid, then the successful bidder will be required to provide a performance bond in the amount of 100% of the bid at the time the contract is signed. The address and telephone number of the bonding company and agent must be included with all bid guaranty bonds 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.

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 **September 6, 2021**. All work is to be completed by **October 22, 2021**. 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 22, 2021**. 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, 2019 edition.
- B. The contractor will perform layout work on resurfaced roads 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 submit a bid for school zone marking, if applicable, 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.
- D. The contractor shall submit a bid for a railroad crossing cross buck, if applicable, in accordance with OMUTCD. The general layout will follow sheet P-24.
- E. 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.
- F. The paint unit shall be equipped with measuring devices to measure actual number of lineal footage of marking.
- G. 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.
- H. 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.
- I. 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.
- J. 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.
- K. Paint for centerline or edge line must meet 2019 ODOT specification 740.02 for Type 1 paint. The contractor shall specify the manufacturer, color and code number of all paint in his bid.
- L. 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 8.0 pounds per 100 square feet of paint applied and shall comply with 2019 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.

M. 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.

N. 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.

O. 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.

P. 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.

Q. 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.

	2021 Pavement Marking				
					Centerline
Number	Road Name	From	To	Miles	Equivalent Miles
60	APPLE	SR 235	St. Paris Corp Limit	2.387	3.420
2	CABLE	SR 296	Urbana-Woodstock Pk	3.199	4.891
18	CHRISTIANSBURG-JACKSON	Christiansburg Corp Limit	Old Troy Pk	3.239	2.732
184	DALLAS	Valley Pk	US 68	3.173	4.013
25	HANNA	SR 560	SR 29	2.002	2.270
92	W HICKORY GROVE	SR 55	US 68	1.744	2.148
92	E HICKORY GROVE	US 68	SR 54	1.954	2.486
74	KANAGY	US 68	SR 245	3.792	4.116
130	KENNARD-KINGSCREEK	SR 296	SR 245	6.207	9.288
22	KITE	SR 55	US 36	4.839	6.417
223	LUDLOW	SR 296	County Line	6.269	7.857
95	MIDDLE URBANA	Knight Rd	Hickory Grove Rd	2.019	3.177
16	MILLERSTOWN	SR 560	SR 29	3.441	1.575
25	MILLERSTOWN-ERIS	N Heck Hill Rd	SR 560	4.194	5.464
111	MINGO-LEWISBURG	Stevenson Rd	North Lewisburg Corp Line	4.262	7.783
108	MT TABOR	SR 245	Champaign Logan Co Line	1.927	2.651
167	N MUTUAL-UNION	US 36	Cable Rd	3.947	5.371
167	S MUTUAL-UNION	SR 29	US 36	2.752	4.436
193	OLD TROY	Miami Champaign Co Line	SR 235	2.157	2.952
10	S PARKVIEW	Mechanicsburg Corp Line	US 36	3.870	7.137
10	N PARKVIEW	US 36	Urbana-Woodstock Pk	1.779	2.626
157	PERRY	US 36	Urbana-Woodstock Pk	1.938	3.305
236	PISGAH	Three Mile Rd	SR 56	4.747	6.798
236	PISGAH	SR 54	Three Mile Rd	0.527	0.831
63	POSSUM HOLLOW	SR 235	Kiser Lake Rd	1.515	2.676
9	POWELL	Urbana City Corp Line	SR 54	0.501	0.415
97	PRAIRIE	County Line Rd	Dolly Varden Rd	2.007	1.697
197	ROSEDALE	SR 29	County Line	2.092	2.682
17	RUNKLE	Kite Rd	US 36	2.608	4.504
17	RUNKLE	S Elm Tree Rd	SR 235	1.398	2.514
32	SHANLEY	County Line	Rosewood-Quincy Rd	3.141	1.638
148	SHEEHE	Mingo-Lewisburg Rd	County Line	0.700	1.390
9	SHORT CUT	SR 54	SR 54	2.356	3.369
468	SPRINGFIELD URBANA	County Line Rd	US 68	0.992	1.97
18	ST PARIS-JACKSON	Old Troy Pk	St. Paris Corp Limit	3.112	0.948
11	STEVENSON	Mingo-Lewisburg Rd	Champaign Logan Co Line	1.992	3.043
85	STORMS CREEK	SR 55	Valley Pk	2.879	5.736
14	UPPER VALLEY	SR 296	Lippincott Rd	2.519	0.367
92	URBANA MOOREFIELD	County Line Rd	E Hickory Grove Rd	3.526	3.217
216	URBANA WOODSTOCK	SR 296	Perry Rd	3.773	6.527
2	URBANA WOODSTOCK	Perry Rd	County Line	5.766	9.079
15	VALLEY PIKE	Storms Creek Rd	SR 55	2.878	0.894
451	VIRTS	SR 4	SR 54	0.664	1.012
25	WARD	Kiser Lake Rd	Heck Hill Rd	1.879	2.227
160	YOCOM	US 36	Urbana-Woodstock Pk	2.369	3.417
67	ZIMMERMAN	Heck Hill Rd	US 36	3.699	1.696
117	E COUNTY LINE	Top of hill at 2463 Co Line Rd	Buck Creek Rd	3.075	3.766
117	W COUNTY LINE	Valley Pk	Bridge at Mad River	0.641	0.395
126	CLARK	Dellinger Rd	SR 296	4.501	2.646
			4" Edge line - MI	131.11	
			6" Edge line - MI	142.78	
			Centerline - MI		171.57

LEGAL NOTICE

Bids will be received by the Champaign County Commissioners for the project titled "**PAVEMENT MARKING 2021**" via **Bid Express** until 9:00 A.M., May 13 2021, for the paint striping of centerline and edge lines of various roads in Champaign County, Ohio. Bids shall be accompanied by a bid guaranty bond in the amount of 10% of the bid in accordance with ORC 153.54. Plans and Specifications are available on the Bid Express website. The Engineer's estimate for this project is \$160,000. More information is available on the engineer's website at <http://engineer.co.champaign.oh.us/>

The Champaign County Board of Commissioners reserves the right to reject any or all bids.

Board of Commissioners
Champaign County

Notice to Bidders

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

Re: **Pavement Marking 2021**

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: _____

Please return this completed form to us by:

Fax: (937)653-3172

Email: engineer @co.champaign.oh.us