

# Washtenaw County Road Commission



Invitation for Bids

## **2017 Annual Supply of Sign Materials and Sign Posts**

Roll Material, Vertical Retroreflective Strips, Prefabricated  
Reflectorized Sign Faces on Flat Aluminum Sign Blanks,  
Aluminum Sign Blanks, Sign Posts and Delineator Posts

### **Sealed bids due by:**

10:00 A.M., Friday, April 21, 2017

### **Bids shall be delivered to the:**

Washtenaw County Road Commission  
Administration Building, Main Reception Desk  
555 North Zeeb Road, Ann Arbor, Michigan 48103

Phone: (734) 327-6677

# 2017 Annual Supply of Sign Materials and Sign Posts

## Bidding Documents

Proposals, bid forms and other information are available at the office of the Road Commission at 555 North Zeeb Rd, Ann Arbor, MI 48103 or at <http://www.wcroads.org/doing-business/bidsrfps/>.

Bids must be completed on the provided forms, shall be signed by an authorized agent of the bidder, and shall be submitted in a sealed envelope that is plainly marked on the outside as to the contents. Bids will be received until 10:00 a.m., Friday, April 21, 2017. Bids failing to meet these requirements will not be considered. Bids will be publicly opened and read aloud at 10:00 a.m.

## Title VI Non-Discrimination Plan

The Washtenaw County Road Commission, in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 USC 2000d-4 and Title 49, Code of Federal Regulations, Department of Federally-assisted programs of the Department of Transportation issues pursuant to such Act, hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of gender, disability, race, color, or national origin in consideration for an award.

## Delivery

The unit prices shall include all shipping costs necessary to deliver the materials (F.O.B.) to the following address: Washtenaw County Road Commission, 555 North Zeeb Road, Ann Arbor, Michigan, 48103. Special charges, surcharges, or fuel charges of any kind (by whatever name) may not be added on at any time. Any and all charges must be built into the bid prices at the time of bidding.

The ordered sign posts and sign materials **must be delivered within 45 calendar days of the date ordered**. Deliveries that exceed beyond the expected delivery date will be penalized at a rate of 1% of the total cost of the order and an additional 1% penalty of the total cost of the order will be assessed for each business day beyond this point. However, delivery may be accepted earlier than 45 calendar days without penalty.

## Bid Quantity

The Road Commission reserves the right to order as large or as small a quantity per order as deemed necessary. All bids with restrictions or minimum order stipulations will be rejected. The quantities shown on bids are approximate, based on historical usage, and are to be used for award purposes only. Actual payments will be based on ordered quantities. **All extra charges for multi-color signs must be reflected in the per unit price.**

### **Execution of Contract**

Bids will be awarded at the next regularly scheduled Board meeting of the Board of County Road Commissioners (May 2, 2017). The material bids will be awarded by major material categories (i.e., roll materials, vertical strips, prefabricated signs, aluminum blanks, and posts). If the initial successful bidder demonstrates that they are unable to meet all conditions of this bid, their contract will be withdrawn and given to an alternate bidder. An alternate proposal will be accepted for each material category. The alternate bidder will be notified after the bid opening and acceptance from the board.

### **Right to Reject/Accept**

The Washtenaw County Road Commission reserves the right to reject any or all Bids in whole or in part and to waive any informality therein, or accept any Bid it may deem in the best interest of the County. Note: Past experience and performance will be a factor in making an award.

### **Term of Contract**

The prices quoted by the bidder will remain firm through May 1, 2018.

Bidders may offer to extend the same pricing for up to two (2) additional one (1) year periods, by mutual agreement of both parties after each year. All other terms and conditions must remain the same for any additional periods.

### **Sales and Excise Taxes**

The Washtenaw County Road Commission, being a governmental unit, is exempt from Michigan State Sales Tax and Federal Excise Tax. The price is to be net, exclusive of any taxes.

### **Inspection and Rejection**

Final inspection shall be at the Road Commission's facility or at the delivery site, unless otherwise agreed to in writing. Materials rejected as not conforming to this agreement, or as otherwise defective, shall be returned at Supplier's expense, including transportation and handling costs.

### **Warranty Requirements**

The successful bidder shall be required to warranty all of the goods and materials awarded for a period of time not less than the manufacturer's warranty standard period of time, from the date the items are received, inspected and accepted by the Washtenaw County Road Commission.

## **Reflective Material**

All reflective sheeting must meet or exceed ASTM D 4956 specifications for retroreflective sheeting based on the type specified within the bid and must meet the criteria contained within the 2012 Michigan Department of Transportation's Standard Specifications for Construction and be on the Michigan Department of Transportation's Qualified Products List.

The reflective sheeting SHALL be of the grade specified in the Bid documents.

All material used for the construction of reflective sign material (face or roll) with this Bid are to be 3M brand to comply with the Road Commissions match components system.

## **Aluminum Sheet**

Aluminum sheet for Type III sign panels must meet the requirements of ASTM B 209 for aluminum alloy 6061-T6, 5052-H38, or 5154-H38.

Aluminum sheet for Type III sign panels must be fabricated from nominal 0.080 inch thick aluminum with mill tolerance meeting the requirements of ASTM B 209.

Round the corners and remove burrs at the corners and mounting holes.

## **Aluminum Drilling Specifications**

The holes in the aluminum blanks and prefabricated signs shall be punched according to the Michigan Department of Transportation's Specifications, unless otherwise noted. See attached "Support Hole Drilling" for additional information. Sign aluminum blanks may have 2, 4, or 6-hole punching patterns according to the attached drawings and will be specified with each order.

## **U-Channel Sign Posts**

MATERIAL	Hot rolled steel
STRENGTH	60,000 psi minimum yield strength
SHAPE	U-Channel
WEIGHT	<b>3 lbs./lin. ft.</b>
FINISH	Deep Green Baked Enamel
END TREATMENT	<b>Per MDOT Specifications.</b>
PUNCHING	<b>Per MDOT Specifications.</b> The holes shall have a diameter of <b>3/8</b> inch and be 1 inch apart center to center beginning 1 inch from the top of the post. Additionally, the holes shall be located at the center of the post width. The maximum tolerance for the location of the punch holes is .05 inch in any direction.
ACCEPTANCE	At the time of delivery the posts will be inspected for their conformance to the specifications listed here. Any post failing to meet these specifications will be returned for replacement.

**ROLL MATERIAL**

<b>EST. QTY</b>	<b>MATERIAL</b>	<b>PRICE SQ. FT.</b>	<b>TOTAL COST</b>
2400	3M Diamond Grade DG <sup>3</sup> Reflective Sheeting - Standard Colors – Series 4000	\$	\$
300	3M Diamond Grade Fluorescent DG <sup>3</sup> Reflective Sheeting – Standard Colors – Series 4080	\$	\$
300	3M Scotchcal Graphic Film – Black – Series 3650-12	\$	\$
3000	3M ElectroCut Film - Standard Colors – Series 1170	\$	\$
1800	3M TPM-5 Clear Transfer Tape	\$	\$

**TOTAL BID ROLL MATERIAL**

**\$**

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**VERTICAL RETROREFLECTIVITY STRIP FOR SIGN SUPPORTS**

ON 0.080 FLAT ALUMINUM (Type III)

**3 inches wide by 5 ft. length and must fit on a U-Channel post  
Punched with three support holes each**

<b>EST. QTY</b>	<b>MATERIAL</b>	<b>PRICE PER STRIP</b>	<b>TOTAL COST</b>
25	3M Diamond Grade DG <sup>3</sup> Reflective Sheeting - Standard Colors – Series 4000	\$	\$
25	3M Diamond Grade Fluorescent DG <sup>3</sup> Reflective Sheeting - Standard Colors – Series 4080	\$	\$

**TOTAL BID VERTICAL STRIP FOR SIGN SUPPORTS**

**\$**

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**PREFABRICATED WARNING AND SCHOOL REFLECTORIZED SIGN FACES**  
**3M DIAMOND GRADE FLUORESCENT DG<sup>3</sup> REFLECTIVE SHEETING – SERIES 4080**  
ON 0.080 FLAT ALUMINUM (Type III) \*\*

EST. QTY	SIZE	EXAMPLE(S)	PER SIGN COST	TOTAL COST
100	12" X 36"	OM-3 L/R	\$	\$
5	18" X 18"	W13-1	\$	\$
10	24" X 8"	S4-3P	\$	\$
5	24" X 12"	W4-4P, W16-7p W16-9p	\$	\$
10	24" X 18"	W1-8, W12-2a, W16-1P	\$	\$
50	24" X 24"	W13-1	\$	\$
75	24" X 30"	W1-8	\$	\$
450	30" X 30"	W1-1,2,3,4,5,10; W2-1,2,3,4,6; W5-2; W8-1,2,3; W11-1,2,3,4,5,7,8,10,11; W12-1; W14-1,2; W15-1	\$	\$
120	30" X 30" 3 color	W3-1, W3-2	\$	\$
10	30" X 36"	W1-8	\$	\$
50	36" X 36"	W1-1,2,3,4,5,10; W2-1,2; W4-2; W5-3; W6-1,2,3; W8-13; W9-2; W11-2, 8,10; W12-2, W14-1	\$	\$
5	36" X 36" 2 Color	S4-5, W3-5	\$	\$
50	36" X 36" 3 color	W3-1, W3-3	\$	\$
10	36" Circle	W10-1	\$	\$
10	36" Pentagon	S1-1	\$	\$
200	48" X 24"	W1-6, W1-7	\$	\$
150	48" X 36" I. Triangle	W14-3	\$	\$
5	60" X 30"	W1-6, W1-7	\$	\$

WARNING/SCHOOL PREFABRICATED SIGN TOTAL

\$

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**PREFABRICATED REGULATORY AND MISC. REFLECTORIZED SIGN FACES**

3M DIAMOND GRADE DG<sup>3</sup> REFLECTIVE SHEETING, SERIES 4000  
ON 0.080 FLAT ALUMINUM (Type III) \*\*

<b>EST. QTY</b>	<b>SIZE</b>	<b>EXAMPLE(S)</b>	<b>PRICE PER SIGN</b>	<b>TOTAL COST</b>
5	12" X 6"	R7-11P, R7-201aP, R7-201P, R7-202P	\$	\$
5	12" X 12" 2 color	R3-8	\$	\$
10	12" X 18"	R7-1, R7-9, R7-14	\$	\$
25	12" X 36"	R6-1L/R	\$	\$
20	18" X 6"	R1-3p	\$	\$
10	18" X 30"	I2-2, R4-7c, R5-1a	\$	\$
5	21" X 15"		\$	\$
5	24" X 9"		\$	\$
5	24" X 10"	S4-1aP	\$	\$
5	24" X 12"	M4-6	\$	\$
20	24" X 18"	R8-3cP, R8-3dP, R25-29	\$	\$
5	24" X 24"		\$	\$
20	24" X 24" 2 color	R3-1, R3-2, R3-4, R5-2, R8-3	\$	\$
400	24" X 30"	R2-1, R3-17, R4-1, R4-2, R4-7, R6-4, R8-8, R10-6a, R12-1, S5-2	\$	\$
5	24" X 30" 2 color		\$	\$
50	24" X 36"	R3-7b, R3-8, R12-5, R5-1a	\$	\$
10	24" X 42"	R3-9b	\$	\$
5	30" X 12"	R3-17aP, R3-17bP	\$	\$
10	30" X 30"	R3-7L/R, R3-8, R5-1, R6-5P	\$	\$

**PREFABRICATED REGULATORY AND MISC. REFLECTORIZED SIGN FACES – Cont.**

3M DIAMOND GRADE DG<sup>3</sup> REFLECTIVE SHEETING, SERIES 4000  
ON 0.080 FLAT ALUMINUM (Type III) \*\*

EST. QTY	SIZE	EXAMPLE(S)	PRICE PER SIGN	TOTAL COST
300	30" X 30" Octagon	R1-1	\$	\$
60	30" X 36"	R2-1, R3-7d/e/f, R4-4	\$	\$
50	36" X 36" Octagon	R1-1	\$	\$
5	36" X 36" Triangle	R1-2	\$	\$
5	36" X 36"	R3-8, R5-1	\$	\$
5	48" X 9" Extruded	R15-1*	\$	\$
5	48" X 24"	R6-4a	\$	\$
20	48" X 30"	R3-8a/g	\$	\$
5	48" X 48"	R3-7g-R	\$	\$
5	54" X 30"	R3-8e/f	\$	\$

REGULATORY PREFABRICATED SIGN FACES TOTAL

\$

**TOTAL BID REFLECTORIZED PREFABRICATED SIGNS**

\$

Examples are not all inclusive to what signs that may be ordered, only estimates based on prior years ordering history

\* Aluminum must be R X R extrusion type.

\*\*NOTE: See attached detail sketch sheets for hole punch specifications on the above listed signs.



**ALUMINUM SIGN BLANKS**

**0.080 GAUGE FLAT TREATED ALUMINUM (Type III) \*\* SIGN BLANKS**

	<b>EST QTY</b>	<b>SIZE</b>	<b>UNIT COST</b>	<b>TOTAL COST</b>
RECTANGLE	5	12" x 6"	\$	\$
	75	24" x 12"	\$	\$
	150	30" x 12"	\$	\$
	200	36" x 12"	\$	\$
	75	42" x 12"	\$	\$
	75	48" x 12"	\$	\$
	75	54" x 12"	\$	\$
	20	24" x 9"	\$	\$
	50	30" x 9"	\$	\$
	100	36" x 9"	\$	\$
	20	42" x 9"	\$	\$
	10	48" x 9"	\$	\$
	10	54" x 9"	\$	\$
	25	12" x 18"	\$	\$
	20	24" X 18"	\$	\$
	20	24" x 30"	\$	\$
	5	30" x 36"	\$	\$
	5	24" x 36"	\$	\$
	5	48" x 24"	\$	\$
	10	48" x 30"	\$	\$
SQUARE	20	24" x 24"	\$	\$
DIAMOND / SQUARE	25	30" x 30"	\$	\$
DIAMOND	20	36" x 36"	\$	\$

**TOTAL BID ALUMINUM SIGN BLANKS**

**\$**

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\*\*Note: See attached detail sketch sheets for hole punching specification.

**SUPPLY OF GREEN BAKED ENAMEL 3#/ft. U-CHANNEL SIGN POSTS  
BY THE TRUCKLOAD (~40,000 lbs)**

EST. QTY.	SIZE	UNIT COST	TOTAL COST
50	11'	\$	\$
100	12'	\$	\$
450	13'	\$	\$
350	14'	\$	\$
50	15'	\$	\$

GREEN BAKED SIGN POSTS (Truckload) TOTAL \$

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**SUPPLY OF GREEN BAKED ENAMEL 3#/ft. U-CHANNEL SIGN POSTS  
IN BUNDLES OF 50**

EST. QTY.	SIZE	UNIT COST	TOTAL COST
50	11'	\$	\$
50	12'	\$	\$
100	13'	\$	\$
100	14'	\$	\$
50	15'	\$	\$

GREEN BAKED SIGN POSTS (Bundles) TOTAL \$

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**SUPPLY OF GALVANIZED 1.33#/ft. DELINEATOR POSTS  
IN BUNDLES OF 50**

EST. QTY.	SIZE	UNIT COST	TOTAL COST
300	7'	\$	\$

GALVANIZED DELINEATOR POSTS (Bundles) TOTAL \$

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**TOTAL BID SIGN POSTS** \$

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# 2017 ANNUAL SIGN AND POST SUPPLY BID SUMMARY

MATERIAL CATEGORIES	FROM PAGE	TOTAL BID
Roll Materials	4	\$
Vertical Retroreflectivity Strips	4	\$
Prefabricated Reflectorized Signs	7	\$
Aluminum Sign Blanks	8	\$
Sign Posts	9	\$

THIS BID FIRM UNTIL: May 1, 2018

COMPANY: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

SIGNED: \_\_\_\_\_

(type or print name also)

TITLE: \_\_\_\_\_

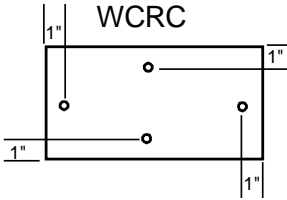
PHONE NUMBER: \_\_\_\_\_ DATE: \_\_\_\_\_

EMAIL: \_\_\_\_\_

WEBSITE: \_\_\_\_\_

## SUPPORT HOLE DRILLING

Note: Sign Support Hole Placement shall be in accordance to the specifications listed

Shape	Size	Standard	Total Holes	Specs. / Pattern(s)
Octagon	30"	MDOT	2	2-Hole
	36"	MDOT	6	2-Hole & 4-Hole
Equilateral Triangle	36"	MDOT	2	2-Hole
Isosceles Triangle	48" X 36"	Federal	2	2-Hole
Circle	36"	MDOT	2	2-Hole
Pentagon	36"	MDOT	6	2-Hole & 4-Hole
Square	12", 18"	MDOT	2	2-Hole
	W13-1 24" X 24"	MDOT	4	2-Hole Vertical & 2-Hole Horizontal
	48"	MDOT	4	4-Hole
Diamond	36"	MDOT	6	2-Hole & 4-Hole
Diamond / Square	24", 30"	MDOT	4	2-Hole Diamond & 2-Hole Square
Rectangle	12" X 6"    18" X 6" 21" X 15"    24" X 8" 24" X 9"    24" X 10" 24" X 12"    30" X 12"	MDOT	2	2-Hole Horizontal
	30" X 18"    36" X 12" 36" X 30"    48" X 24" 48" X 30"    54" X 30" 60" X 30"	MDOT	4	4-Hole Horizontal
	12" X 18"    18" X 30" 24" X 36"    24" X 42"	MDOT	2	2-Hole Vertical
	24" X 18"    24" X 30"	MDOT	4	2-Hole Vertical & 2-Hole Horizontal
	30" X 36"    24" X 36"	MDOT	6	2-Hole Vertical & 4-Hole Horizontal
	W1-6/W1-7 48" X 24"	MDOT	4	4-Hole
	OM-3 12" X 36"	MDOT	3	3-Hole
	R6-1 36" X 12"	MDOT	6	6-Hole
Rectangle Road Name	24" X 9"    24" X 12" 30" X 9"    30" X 12" 36" X 9"    36" X 12" 42" X 9"    42" X 12" 48" X 9"    48" X 12" 54" X 9"    54" X 12"		4	Road Names Blanks Regular 3/8 Drilling With Holes Placed as Indicated