

INGHAM COUNTY ROAD COMMISSION
MASON, MICHIGAN

PROPOSAL #1620

REFLECTIVE SIGN FACES & COMPLETE SIGNS

Sealed proposals will be received by the staff of the Ingham County Road Commission until **2:00 P.M. local time on Tuesday, February 21, 2012**, in the Board Room of the Ingham County Road Commission's Austin E. Cavanaugh Administration Building located at 301 Bush Street, P.O. Box 38, Mason, Michigan 48854; telephone number 517-676-9722 or 1-800-968-9733, at which time and place the proposals will be publicly opened and read.

Proposals are to be submitted on proposal forms furnished by the Ingham County Road Commission. Proposals must be in sealed envelopes clearly marked on the outside as to the proposal number, time and date of bid opening.

Bid prices are to be firm through December 31, 2012, regardless of final quantities ordered.

Materials are to be bid by truck delivery F.O.B. Ingham County Road Commission Mason facilities located at 301 Bush Street, Mason, Michigan.

Reflective sign face material is to meet the Michigan Department of Transportation's 2003 Standard Specifications for Construction, Section 919, PERMANENT TRAFFIC SIGN AND SUPPORT MATERIALS; sub-section 919.02, TRAFFIC SIGNS; sub-section B, SIGN FACE AND LEGEND MATERIAL; with exception to sub-section 1, REFLECTIVE SHEETING MATERIAL. *The reflective sheeting shall be of the grade specified in the bid documents.*

ITEM: PROVIDE UNIT PRICES TO FURNISH AND DELIVER TO THE INGHAM COUNTY ROAD COMMISSION APPROXIMATELY 960 PIECES, MORE OR LESS, OF VARIOUS QUANTITIES, SHAPES AND SIZES OF REFLECTIVE SIGN FACES AND COMPLETE SIGNS.

ALL MATERIALS USED FOR THE CONSTRUCTION OF REFLECTIVE SIGN FACES ASSOCIATED WITH THIS BID ARE TO BE 3-M BRAND.

AN ESTIMATED QUANTITY FOR THE INITIAL ORDER IS ATTACHED TO THIS BID. AFTER INITIAL ORDER, MINIMUM QUANTITY ON ALL SUBSEQUENT ORDERS SHALL BE 10 FACES AND/OR COMPLETE SIGNS OF LIKE LEGEND.

SIGN FACE ONLY

FACES BELOW TO BE 3-M BRAND, SERIES 3930, HIGH INTENSITY GRADE PRISMATIC SHEETING MATERIAL.

<u>FACE SIZE</u>	<u>PRICE PER FACE</u>	<u>FACE SIZE</u>	<u>PRICE PER FACE</u>
12"x36"	_____	24"x30"	_____
24"x42"	_____	24"x24"	_____
30"x30"	_____	24"x18"	_____
12"x18"	_____	12"x12"	_____
30"x36"	_____	12"x6"	_____
30"x18"	_____	48"x30"	_____
48"x24"	_____	36"x36"	_____

FACES BELOW TO BE 3-M BRAND, SERIES 4081 CUBED, FLUORESCENT YELLOW DIAMOND GRADE MATERIAL.

<u>FACE SIZE</u>	<u>PRICE PER FACE</u>	<u>FACE SIZE</u>	<u>PRICE PER FACE</u>
30"x30"	_____	48"x24"	_____
36"x36"	_____	12"x36"	_____
24"x24"	_____	24"x18"	_____
24"x30"	_____	24"x42"	_____
12"x18"	_____	12"x12"	_____
30"x36"	_____	12"x6"	_____
30"x18"	_____	48"x30"	_____
36" STOP AHEAD	_____	30"x12"	_____
36" SIGNAL AHEAD	_____	36" ROUND	_____
36"x48"x48 NO PASSING ZONE	_____	36" YIELD AHEAD	_____

FACES BELOW TO BE 3-M BRAND, SERIES 3924, ORANGE DURABLE FLUORESCENT, DIAMOND GRADE MATERIAL.

<u>FACE SIZE</u>	<u>PRICE PER FACE</u>	<u>FACE SIZE</u>	<u>PRICE PER FACE</u>
30" DIAMOND	_____	36" DIAMOND	_____
30"X24"	_____	48"X18"	_____

FACES BELOW TO BE 3-M BRAND, 4083 CUBED FLUORESCENT YELLOW GREEN DIAMOND GRADE MATERIAL.

<u>FACE SIZE</u>	<u>PRICE PER FACE</u>	<u>FACE SIZE</u>	<u>PRICE PER FACE</u>
30" DIAMOND	_____	24"x8"	_____
30"x12"	_____		
24"x12"	_____		

COMPLETED SIGNS

Aluminum sheet sign panel material is to meet the Michigan Department of Transportation 2003 Standard Specifications for Construction, Section 919, PERMANENT TRAFFIC SIGN AND SUPPORT MATERIALS, Section 919.02, TRAFFIC SIGNS, and sub-section 3, ALUMINUM SHEET. The aluminum sheet sign panels will be Type III and must conform to the requirements for aluminum alloy 6061-T6, 5052-H38, or 5154-H38 of ASTM B 209. The Type III aluminum sheet sign panels must be fabricated from nominal 0.080 inch thick aluminum sheet with mill tolerance as specified in ASTM B 209. Corners must be rounded with a 1.50 inch radius.

Hole punching of the sign panels is to conform to the Ingham County Road Commission attached specifications, any panel not conforming will be rejected. Thoroughly degrease the aluminum sheet panels according to the sheeting manufacturer's recommendations. After degreasing, surface treating, and proper rinsing, keep sign panels free of grease, oil, or other contaminants.

COMPLETED SIGNS BELOW TO BE 3-M BRAND SERIES 4000, DIAMOND GRADE MATERIAL WITH 3-M BRAND SERIES 1160 PROTECTIVE OVERLAY FILM APPLIED.

LEGEND

UNIT PRICE PER COMPLETED SIGN

30" STOP

COMPLETED SIGNS BELOW TO BE 3-M BRAND, SERIES 4000, DIAMOND GRADE MATERIAL.

<u>LEGEND</u>	<u>UNIT PRICE PER COMPLETED SIGN</u>
36" STOP	_____
36" YIELD	_____
12"x6" 3-WAY	_____
12"x6" 4-WAY	_____

COMPLETED SIGNS BELOW TO BE 3-M BRAND 4081 CUBED, FLUORESCENT YELLOW, DIAMOND GRADE MATERIAL.

<u>LEGEND</u>	<u>UNIT PRICE PER COMPLETED SIGN</u>
36"x48"x48" NO PASSING ZONE	_____
36" ROUND ADVANCE RAILROAD	_____
36"x36" STOP AHEAD SYMBOL	_____

COMPLETED SIGNS BELOW TO BE 3-M BRAND 4083 CUBED, FLUORESCENT YELLOW GREEN, DIAMOND GRADE MATERIAL.

<u>LEGEND</u>	<u>UNIT PRICE PER COMPLETED SIGN</u>
30" SCHOOL	_____
30" DIAMOND	_____

BIDDERS ARE TO FURNISH CURRENT LIST OF ALL REFLECTIVE SIGN FACES AND QUANTITY DISCOUNTS.

BIDDERS ARE TO FURNISH MATERIAL SAFETY DATA SHEET(S) WITH BID, IF REQUIRED, FOR MATERIAL BEING FURNISHED.

BIDDER FEDERAL I.D. NUMBER _____

TERMS:
MATERIAL BRAND:
DELIVERY DATE:

BIDDER:
BY:
TITLE:
ADDRESS:
PHONE: FAX: EMAIL:
DATE:

BIDDER'S REMARKS OR EXCEPTIONS, IF ANY _____

THE BOARD OF INGHAM COUNTY ROAD COMMISSIONERS RESERVES THE RIGHT TO REJECT ANY OR ALL PROPOSALS OR TO WAIVE DEFECTS AND TO ACCEPT THE PROPOSALS IN PART OR ENTIRETY THAT, IN THE OPINION OF THE BOARD, ARE IN THE BEST INTEREST AND TO THE ADVANTAGE OF THE BOARD OF INGHAM COUNTY ROAD COMMISSIONERS AND TO THE COUNTY OF INGHAM, MICHIGAN.

**INGHAM COUNTY ROAD COMMISSION
AFFIDAVIT OF EQUAL OPPORTUNITY**

As a condition of obtaining and/or maintaining a contractual relationship with the Board of Ingham County Road Commissioners, State of Michigan, it is hereby certified that this contractor, supplier or contracting organization agrees to provide equal employment opportunity to all employees and applicants and will not discriminate against any employee or applicant for employment because of race, color, religion, national origin, ancestry, age, sex, height, weight, marital status, political affiliations or beliefs, or citizenship, as required by law. The Contractor covenants that applicants are and will be employed and that employees are and will be treated during employment without regard to their race, color, religion, national origin, ancestry, age, sex, height, weight, marital status, political affiliations or beliefs, or citizenship. Such action shall include, but not be limited to, the following: Employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rate of pay or other forms of compensation and selection for training, including apprenticeships. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this non-discrimination policy.

The Contractor, supplier or contracting organization shall comply with Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Federal Rehabilitation Act of 1973 (29 USC 794), the Michigan Elliott Larsens Civil Rights Act (MCL 37.2101, et seq.), the Michigan Handicappers Civil Rights Act (MCL 37.1101, et seq.), as amended, and the Americans With Disabilities Act of 1990.

On behalf of this organization I hereby certify that compliance with the above Equal Opportunity Policy is now, and will continue to be, maintained.

COMPANY: _____

BY: _____

TITLE: _____

DATE: _____

THE BIDDER'S ATTENTION IS REQUESTED TO THE ESTIMATED INITIAL ORDER OF SIGN FACES AND COMPLETED SIGNS:

3930 SERIES HIGH INTENSITY PRISMATIC, FACE ONLY:

<u>QUANTITY</u>	<u>TYPE</u>	<u>SIZE</u>	<u>DESCRIPTION</u>
50	R2-1	24"x30"	Speed Limit – No Numeral
20	R2-5B	24"x30"	Reduced Speed – No Numeral
50	R4-2	24"x30"	Pass With Care
50	R4-1	24"x30"	Do Not Pass
20	R3-2L	24"x24"	No Left Turn Symbol
20	R4-7	24"x30"	Keep Right Symbol
20	R5-1	30"x30"	Do Not Enter

4081 SERIES DIAMOND GRADE FLUORESCENT YELLOW, FACE ONLY:

<u>QUANTITY</u>	<u>TYPE</u>	<u>SIZE</u>	<u>DESCRIPTION</u>
50	W13-1	24"x24"	Advisory Speed Plaque – No Numeral
20	W1-1L	30"x30"	Left Turn
20	W1-3L	30"x30"	Left Reverse Turn
20	W1-3R	30"x30"	Right Reverse Turn
20	W1-4L	30"x30"	Left Reverse Curve
20	W1-4R	30"x30"	Right Reverse Curve
20	W1-6	48"x24"	Target Arrow
20	W1-7	48"x24"	Double Arrow
20	W1-8	18"x24"	Chevron
50	W2-1	30"x30"	Crossroad
100	W2-2	30"x30"	Side Road
10	W4-2R	36"x36"	Right Lane Drop
10	W9-2	36"x36"	Lane Ends Merge Left
10	W11-10A	36"x36"	Truck Crossing Symbol
20	W14-2A	30"x30"	Road Ends

4000 SERIES DIAMOND GRADE W/ 1160 PROTECTIVE OVERLAY, COMPLETED SIGN:

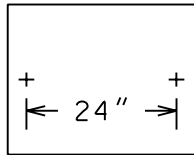
<u>QUANTITY</u>	<u>TYPE</u>	<u>SIZE</u>	<u>DESCRIPTION</u>
100	R1-1	30"x30"	Stop

4081 CUBED, FLUORESCENT YELLOW DIAMOND GRADE, COMPLETED SIGN:

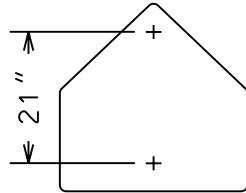
<u>QUANTITY</u>	<u>TYPE</u>	<u>SIZE</u>	<u>DESCRIPTION</u>
100	W3-1A	36"x36"	Stop Ahead Symbol
100	W14-3	36"x48"	No Passing Zone
20	W10-1	36" Round	RXR Symbol

HOLE LOCATIONS FOR SIGN BLANKS

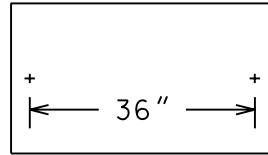
INGHAM COUNTY ROAD COMMISSION



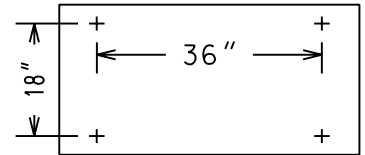
24" X 30"



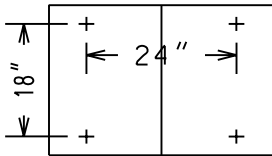
30" X 30"
SCHOOL



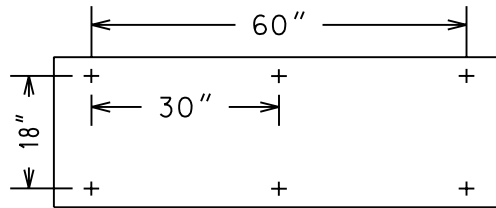
24" X 42"



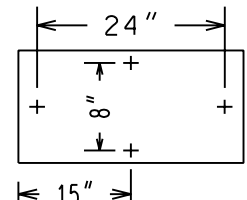
24" x 48"



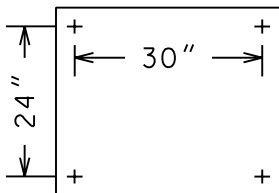
24" X 36"



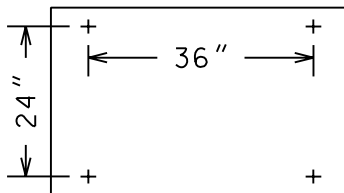
24" X 72"



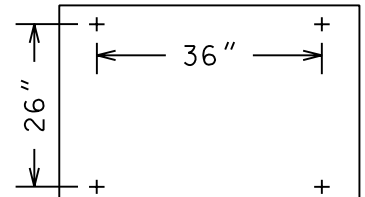
12" X 30"



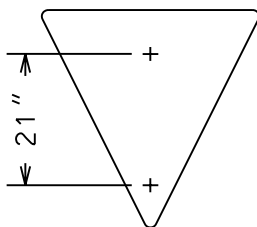
30" X 36"



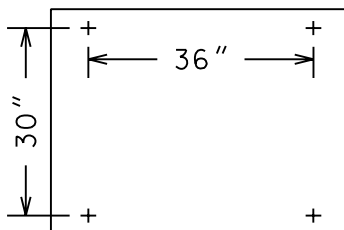
30" X 48"



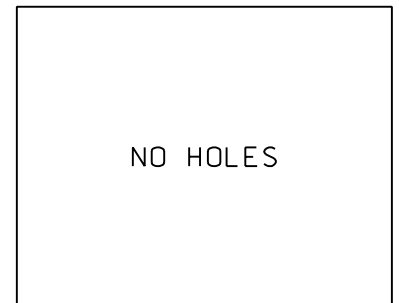
32" X 48"



36" YIELD



36" X 48"



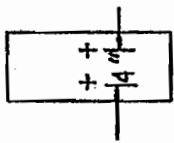
NO HOLES

48" X 60"

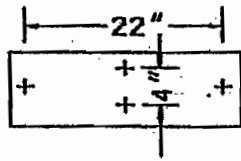
NOTE: ALL BOLT HOLES TO BE 3/8" DIA. EXCEPT AS NOTED

HOLE LOCATION FOR SIGN BLANKS

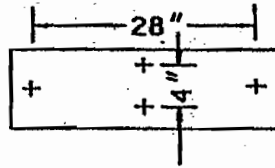
INGHAM COUNTY ROAD COMMISSION



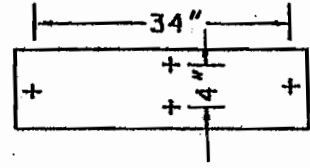
6" X 12"



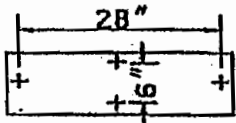
6" X 24"



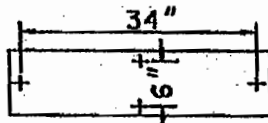
6" X 30"



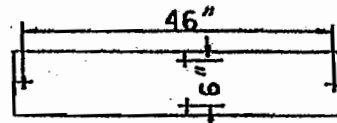
6" X 36"



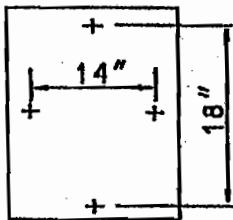
8" X 30"



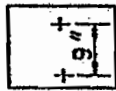
8" X 36"



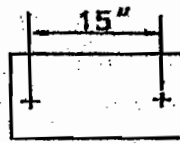
8" X 48"



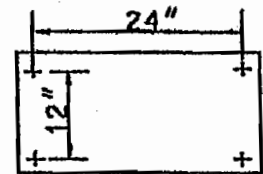
18" X 24"



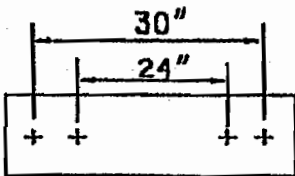
12" X 12"



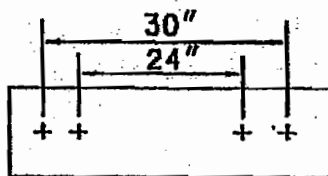
12" X 18"



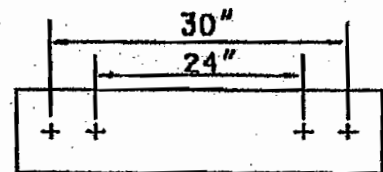
18" X 30"



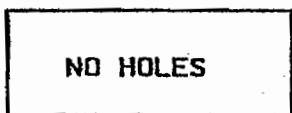
12" X 36"



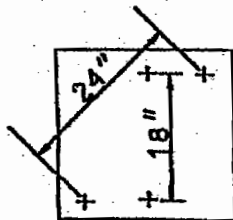
12" X 42"



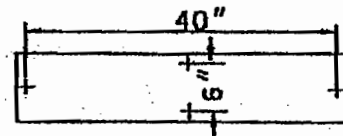
12" X 48"



18" X 48"



24" X 24"

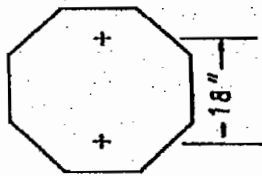


8" X 42"

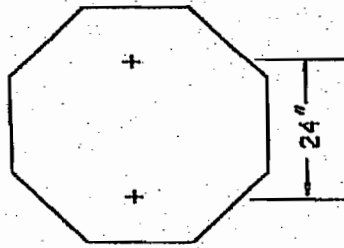
NOTE: ALL BOLT HOLES TO BE 3/8" DIA. EXCEPT AS NOTED

HOLE LOCATION FOR SIGN BLANKS

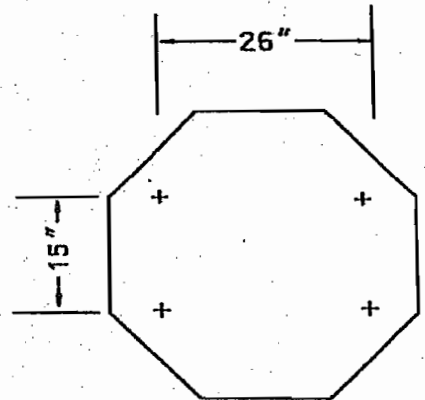
INGHAM COUNTY ROAD COMMISSION



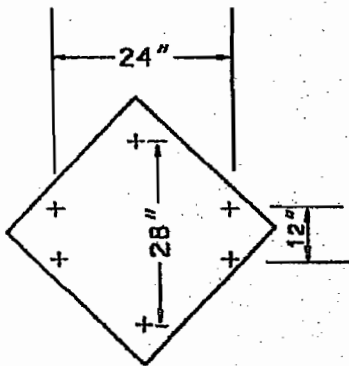
24" STOP



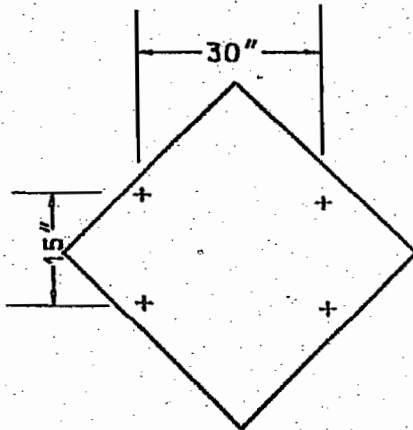
30" STOP



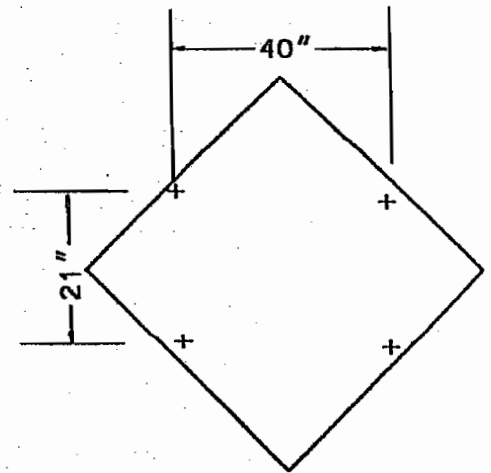
36" STOP



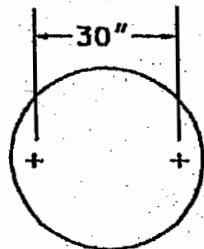
30" DIAMOND



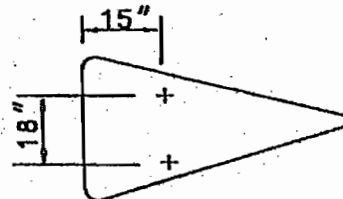
36" DIAMOND



48" DIAMOND



36" R.R.



NO PASSING PENNANT

NOTE: ALL BOLT HOLES TO BE $\frac{3}{8}$ " DIA. EXCEPT AS NOTED