

GORDON COUNTY BOARD OF COMMISSIONERS
INVITATION TO BID
Paving Materials - Signs

The Gordon County Board of Commissioners is accepting sealed written bids from qualified vendors to provide Paving and Related Materials and Services. Bid specifications and bid forms are attached.

Your written and sealed bid must contain at a minimum:

- Completed bid forms
- An authorized signature.
- Written oath stating the contractor has not restricted competitive bidding. (Non-Collusion Affidavit form provided by county).

In addition, the successful supplier shall submit the following items within ten calendar days of written notification from the county of the bid award:

- Proof of a valid and current business license from the city/county where the business is located **or** a business license from Gordon County.
- Written certification that the contractor operates a drug-free workplace in accordance with O.C.G.A. 50-24-1 through 50-24-6 (form provided by county).

If you choose to submit a written bid for this material/service, your sealed bid must be marked, "Paving and Related Materials and Services" and delivered to the Gordon County Administration Building at 201 N. Wall Street, Calhoun, Georgia 30701 no later than **2:00 p.m. on Wednesday, March 2, 2016**. All bids will be publicly opened at that time and place. You are invited to attend this bid opening. No bids shall be withdrawn for a period of 60 days after the bid opening.

The Gordon County Board of Commissioners reserves the right to accept, or reject, any and all bids received and/or disregard informalities in the bids received. If additional information is needed, contact Martin Vaughn, Gordon County Purchasing Director, 200 S. Wall St. Third Floor – Calhoun, GA 30701 - (706) 879-2198, - mvaughn@gordoncounty.org .

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Communications:

All Communications regarding this Bid should be communicated through Gordon County Purchasing. Telephone inquiries will not be accepted. Any questions regarding this Bid should be submitted to Martin Vaughn via e-mail – mvaughn@gordoncounty.org. Your Inquiry must contain company name, telephone number and Bid name.

No Electronic Transmissions of Bids: The County will not accept or consider oral, telegraphic, electronic, and facsimile or telephone Bids or modifications.

THE CONTRACTOR SHALL:

- 1) Review and be familiar with the enclosed bid specifications. Failure to review the bid specifications will not relieve the successful bidder of an obligation to furnish all products and labor necessary to carry out the provisions of the contract.
- 2) Provide materials that meet **Georgia DOT specifications.**
- 3) **NOTE: You should furnish your bid to cover 12 months beginning March 2016 through February 2017 with an option to extend an additional time period to cover April 2017 through June 2017.**

THE COUNTY SHALL:

Provide the supplier with purchase order numbers to cover the purchases required by the county. Payments will be made from invoices – with valid purchase order numbers - to the supplier on a timely basis.

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We may split the bid. You may bid aluminum and/or fiberglass/reinforced plastic.

BID SHEET

The undersigned bidder hereby declares that he has carefully examined the information contained herein.
All prices SHALL include freight.

TRAFFIC SIGNS			SUPER ENGINEER GRADE	HIGH INTENSITY
SIZE	COLOR	DESCRIPTION		
12X18	WHITE ON BLUE			
12X36	BLACK ON YELLOW			
18X18	BLACK ON YELLOW			
18X24	BLACK ON YELLOW			
18X24	RED ON WHITE			
18X24	BLACK ON WHITE			
18X24	GREEN ON WHITE			
18X6	WHITE ON RED			
30" CIR	BLACK ON YELLOW			
30" TRI	RED ON WHITE			
24X30	BLACK ON WHITE			
24X8	FLORESCENT YELLOW GREEN			
30X30	BLACK ON ORANGE			
30X30	FLORESCENT YELLOW GREEN	DIAMOND		
30X30	RED ON WHITE			
30X30	BLACK ON YELLOW			
30X36	BLACK ON WHITE			
36X18	BLACK ON YELLOW			
60X30	BLACK ON WHITE			
6X30	BLACK ON WHITE			
30X30	BLACK ON ORANGE			
24X12	BLACK ON ORANGE			
30X30	BLACK ON ORANGE			
36X18	BLACK ON ORANGE			
30X24	BLACK ON ORANGE			
30X30	BLACK ON ORANGE			
18X24	BLACK ON WHITE	FACE ONLY		
18X24	BLACK ON YELLOW	FACE ONLY		
30X30	BLACK ON ORANGE	FACE ONLY		
30X30	BLACK ON YELLOW	FACE ONLY		
30X30	RED ON WHITE	FACE ONLY		
	STREET SIGNS	FACE ONLY		
SIZE	COLOR	DESCRIPTION	SUPER ENGINEER GRADE	HIGH INTENSITY
18x9	GREEN	BLANK STREET SIGNS EXTRUDED		
24x9	GREEN	BLANK STREET SIGNS EXTRUDED		
30x9	GREEN	BLANK STREET SIGNS EXTRUDED		
36x9	GREEN	BLANK STREET SIGNS EXTRUDED		
18x9	GREEN	BLANK STEET SIGNS - FIBERGLASS REINFORCED PLASTIC .050		
24x9	GREEN	BLANK STEET SIGNS - FIBERGLASS REINFORCED PLASTIC .050		
30x9	GREEN	BLANK STEET SIGNS - FIBERGLASS REINFORCED PLASTIC .050		
36x9	GREEN	BLANK STEET SIGNS - FIBERGLASS REINFORCED PLASTIC .050		
18x9	GREEN	BLANK STEET SIGNS - FIBERGLASS REINFORCED PLASTIC .090		
24x9	GREEN	BLANK STEET SIGNS - FIBERGLASS REINFORCED PLASTIC .090		
30x9	GREEN	BLANK STEET SIGNS - FIBERGLASS REINFORCED PLASTIC .090		
36x9	GREEN	BLANK STEET SIGNS - FIBERGLASS REINFORCED PLASTIC .090		
	MISC. SIGNS			

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18X24	BLACK ON WHITE			
18X24	GREEN ON WHITE			
18X6	WHITE ON RED			
30" CIR	BLACK ON YELLOW			
30" TRI	RED ON WHITE			
24X30	BLACK ON WHITE			
24X8	FLORESCENT YELLOW GREEN			
30X30	BLACK ON ORANGE			
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30X30	RED ON WHITE			
30X30	BLACK ON YELLOW			
30X36	BLACK ON WHITE			
36X18	BLACK ON YELLOW			
60X30	BLACK ON WHITE			
6X30	BLACK ON WHITE			
30X30	BLACK ON ORANGE			
24X12	BLACK ON ORANGE			
30X30	BLACK ON ORANGE			
36X18	BLACK ON ORANGE			
30X24	BLACK ON ORANGE			
30X30	BLACK ON ORANGE			
18X24	BLACK ON WHITE	FACE ONLY		
18X24	BLACK ON YELLOW	FACE ONLY		
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30X30	BLACK ON YELLOW	FACE ONLY		
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30x9	GREEN	BLANK STEET SIGNS - FIBERGLASS REINFORCED PLASTIC .090		
36x9	GREEN	BLANK STEET SIGNS - FIBERGLASS REINFORCED PLASTIC .090		
<u>SIZE</u>	<u>COLOR</u>	<u>DESCRIPTION</u>	<u>SUPER ENGINEER</u>	<u>HIGH</u>
	MISC. SIGNS			

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List all deviations to the bid specifications on this page.

Equal or Greater than these specs

SCOPE

This specification covers general laminate properties, mechanical properties, physical properties, and applicable documents for Fiberglass Reinforced Plastics (FRP) traffic control sign panels. These panels shall be available in .045, .060, .090, .095, and .135. Panel thickness of .095 and .135 are available in white, yellow, green, red, blue, black, brown and ivory.

PHYSICAL PROPERTIES

THICKNESS - Panels shall be .045, .060, .090, .095 or .135 inches thick with a tolerance of +/- .005 inches.

GLASS CONTENT - The panel shall have a minimum 21% glass content. The sign panel glass shall be read using a 60 Glossmeter and have the following values:
 Service Side - 53% Reflective,
 Backside - 65% Reflective

SIZE - (length and width) Panel tolerance on nominal length and width specified by the purchaser shall be +/- 1/8 inch for dimensions of 12 feet or less when measured in accordance with ASTM D3841-80.

SQUARENESS - Panels shall be manufactured with smooth surfaces on both the top and bottom of the panel, within 1/8 inch of squareness per 12 feet of length when measured in accordance with ASTM D3841-80.

COLOR & GLOSS - Panel shall be pigmented to a visually uniform color. Color shall be visually uniform with the pigments compounded into the resins before cure to make the color an integral part of the laminate. The white sign panel color must meet the following Trichromatic Values as measured on the FMC-2 color scale on a MacBeth 1500 Spectrophotometer: X-72.29, Y-73.80, Z-83.64.

COEFFICIENT OF LINEAR THERMAL EXPANSION - Panels shall have a maximum coefficient of linear thermal expansion of 1.8×10^{-6} inch/inch/°F when tested in accordance with ASTM D696-79.

WEATHER RESISTANCE - Panels shall be classified minimally as Grade II (weather resistant) panel as specified in ASTM D3841-80 following a 3,000 +100 hour weatherometer test.

FLATNESS - Panels shall have a maximum deflection of 0.5 inches when tested in accordance with TSP-1 (Appendix II).

IMPACT RESISTANCE - Panels shall resist the impact of a 1.18 lb. falling ball, dropped from 60 feet in accordance with ASTM D3841-80.

THERMAL STABILITY - Panel strength and impact resistance shall not be appreciably affected over a temperature range of 65 F to 212 F.

GENERAL LAMINATE PROPERTIES

traffic control sign panel shall have the same smooth surfaces on both sides with a minimum of .004 protective layer of gel coating. The panel shall be randomly oriented, chopped fiberglass reinforced, thermoset, pigmented polyester laminate. The panel shall be acrylic modified and UV stabilized for outdoor weatherability. It shall contain additives to retard flame propagation but shall contain no other fillers.

The panel must not have any visible fiberglass prominence. The panel must be stabilized throughout with the glass and a non-shrink resin, which retards moisture absorption to less than .001 per square inch.

The panel shall be stabilized to prevent release of migrating constituents over time. (i.e. solvents, monomers, etc.) and shall contain no residual release agents on the surface of the laminate that will interfere any subsequent bonding operations.

The panel shall not contain visible cracks, pinholes, foreign inclusions, or surface wrinkles that would affect implied performance, alter the specific dimensions of the panel, or otherwise affect its serviceability.

MECHANICAL PROPERTIES

All mechanical properties are stated as typical averages and many vary +/- 10% on any individual test average. The averages represent properties measured both in the line direction of the panel and at 90 degrees to that line. The mechanical properties are tested in accordance with the appropriate ASTM tests referenced.

Mechanical Property	Avg Min. Req.	ASTM Test
Tensile Strength	14,500 psi	D-638
Tensile Modulus	1,000,000 psi	D-638
Flexural Strength	25,000 psi	D-790
Flexural Modulus	1,400,000 psi	D-780
Compression Strength	30,000 psi	D-695
Compressive Modulus	1,400,000 psi	D-695
Punch Shear Strength	12,000 psi	D-732
Face Impact Resistance	1.1 lbs per mil of thickness	D-3029

APPLICABLE DOCUMENTS

ASTM STANDARDS

- D-3841 Glass Fiber Reinforced Polyester Panels, Specifications for
- D-638 Tensile Properties of Plastics, Test for
- D-790 Flexural Properties of Plastic and Electrical Insulating Materials, Test for
- D-695 Compressive Properties of Rigid Plastics, Test for
- D-732 Shear Strength of Plastics for Punch Tool, Test for
- D-696 Coefficient of Linear Thermal Expansion of Plastics, Test for
- D-3029 Impact Resistance of Flat, Rigid Plastic Specimens by means of Tup (Falling Weight), Test for

SPECIFIED STANDARDS

- TSP-1 FRP Traffic Sign Panel Flatness Test (per appendix A)

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Contact Person:

Address: _____

City/State/Zip: _____

Telephone: _____ Fax: _____

E-mail: _____

Authorized Signature _____ Title: _____

Name Printed: _____ Date: _____

It is agreed by the above signed bidder that the signature and submission of this bid represents the bidder's acceptance of all terms, conditions, and requirements of the bid specifications and, if awarded, the bid will represent the agreement between the parties.

The bidder agrees that the cost of any work performed, materials furnished, services provided, or expenses incurred, which are not specifically delineated in the bid documents, but which are incidental to the scope, intent, and completion of this contract, shall be deemed to have been included in the prices bid for the various items scheduled.

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**GORDON COUNTY BOARD OF COMMISSIONERS
NON-COLLUSION AFFIDAVIT OF PRIME BIDDER**

STATE OF _____ COUNTY OF _____

I _____, being first duly sworn, depose and say that;

He is _____ of _____, the bidder that has submitted the attached bid;

He or she is fully informed respecting the preparation and contents of the attached bid and of all pertinent circumstances respecting such bid; Such bid is genuine and is not a collusive or sham bid; Neither the said bidder nor any of its officers, partners, owners, agents, representatives, employees, or parties in interest, including this affiant, has in any way colluded, conspired, connived, or agreed, directly or indirectly with any other bidder, firm or person to submit a collusive or sham bid in connection with the contract for which the attached bid has been submitted or to refrain from bidding in connection with such contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other bidder, firm or person to fix the price or prices in the attached bid or of any other bidder, or to fix any overhead, profit, or cost element of the bid price or the bid price of any other bidder, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against the Gordon County Board of Commissioners or any person interested in the proposed contract; and

The price or prices quoted in the attached bid are fair and proper and are not tainted by any collusion, conspiracy, connivance, or unlawful agreement on the part of the bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

Bidder: _____

By: _____

Name Printed: _____

Title: _____

Date: _____

Subscribed and sworn to me this _____ day of _____, 200_.

NOTARY PUBLIC: _____

Commission Expires: _____

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DRUG-FREE WORKPLACE CERTIFICATE

By signature on this certificate, the contractor certifies that the provisions of O.C.G.A. Section 50-24-1 through 50-24-6 related to the "Drug-Free Workplace Act" have been complied with in full. The contractor further certifies that:

1. A drug-free workplace will be provided for the contractor's employees during the performance of the contract; and
2. Each contractor who hires a subcontractor to work in a drug-free workplace shall secure from that subcontractor the following written certification: "As part of the subcontracting agreement with (contractor's name), (subcontractor's name) certifies to the contractor that a drug-free workplace will be provided for the subcontractor's employees during the performance of this contract pursuant to O.C.G.A. Section 50-24-3(b)(7)."

By signature on this certificate, the contractor further certifies that it will not engage in the unlawful manufacture, sale, distribution, dispensation, possession, or use of a controlled substance or marijuana during the performance of this contract.

Contractor: _____

By: _____

Name Printed: _____

Title: _____

Date: _____