

SPECIFIC SPECIFICATIONS AND SPECIAL CONDITIONS

TRAFFIC PAINT PAVEMENT MARKINGS

ANNUAL CONTRACT

Event# 4483

- 4.0 The purpose of these specifications is to establish an annual contract for producing painted pavement markings. This service will consist of furnishing and applying paint reflectorized pavement markings that is sprayed on the pavement by mechanical means and which, upon completion of being applied to the pavement, produces a reflectorized pavement marking in accordance with Traffic Engineering plans, in general conformity with these specifications, and in accordance with the provisions of the Manual on Uniform Traffic Control Devices.

Painted traffic stripes shall consist of solid or broken (skip) lines, words and/or symbols of the type, color, and location shown on the Traffic Engineering plans or list of streets to be resurfaced. All lines, unless otherwise specified, shall be sprayed.

To submit pricing electronically for this event, enter pricing for each line item shown under the lines tab on the event summary. To enter pricing manually, complete the attached bid proposal form. Bids must be submitted on the bid proposal forms contained in these specifications in order to be considered. Partial bids will not be accepted.

A pre-bid conference has been scheduled to be conducted at the Purchasing Office, third floor, City Hall, 2 E. Bay Street, Savannah, Georgia. This meeting will allow contractors to discuss the specifications and resolve any questions and/or misunderstandings that may arise with City staff. You are invited to attend.

4.1 **Detailed Specifications:**

- 4.1.1 **General Specifications:** The traffic paint shall not deteriorate upon contact with sodium chloride, calcium chloride, or other chemicals used to prevent formation of ice on roadways or streets, or because of the content of pavement materials, or from petroleum droppings from traffic.
- 4.1.2 The stripe shall maintain its original dimensions and placement. The exposed surface shall be free from tack and shall not be slippery when wet. The material shall not lift from the pavement in freezing weather. Cold ductility of the material shall be such as to permit normal movement with the road surface without chipping or cracking.
- 4.1.3 **Color:** White reflectorized paint shall conform with Georgia DOT specifications. Yellow reflectorized paint shall also conform with Georgia DOT specifications. The material shall not change its color and brightness characteristics after prolonged exposure to sunlight.
- 4.1.4 **Reflectorization:** During installation, reflectorizing glass spheres shall be applied to the surface of the stripe immediately after it is installed, allowing the spheres to dry into the top layer of the wet paint to allow retro reflectivity.

4.2 Glass Spheres Physical Requirements

4.2.1 **Premix Glass Spheres:** The material shall contain either a minimum of fifteen (15) % by weight of premixed glass spheres having a minimum refractive index of 1.65 or a minimum of 30% by weight of premixed glass spheres having a minimum refractive index of 1.50 meeting the following requirements:

A. **Roundness**

For premixed glass spheres having a minimum index of refraction 1.65, not less than 75% of the beads overall, and not less than 70% of the beads retained on any specific sieve, shall be true spheres when tested in accordance with ASTM: D1155.

For a premixed glass spheres having a minimum index of refraction of 1.50, not less than 70% of the beads, overall, and not less than 60% of the beads retained on any specific sieve shall be true spheres when tested in accordance with ASTM: D1155.

B. **Foreign Matter**

The quality for foreign matter shall not exceed 1%.

C. **Chemical Resistance**

The glass spheres shall withstand immersion in water and acids without undergoing noticeable corrosion or etching and shall not be darkened or otherwise noticeably decomposed by sulfides. The tests for chemical resistance shall consist of one (1) hour immersion in water and in corrosive agents followed by microscopic examination. A three (3) to five (5) gram sample shall be placed in each of three glass beakers or porcelain dishes and one covered with distilled water, one with 3N solution of sulfuric acid and the last with a solution of 50% sodium sulfide, 58% distilled water agent. At the end of the one-hour, no darkening, hazing or other evidence of instability shall be noticeable when examined microscopically.

4.2.2 **Drop-On Glass Spheres:** These spheres shall meet all the requirements of Georgia D.O.T., Section 913.02.

4.3 Construction

4.3.1 Each spray application machine must be equipped with an automatic counting mechanism capable of recording the number of linear feet of material applied to the roadway surface with an accuracy of 0.05%.

4.3.2 The equipment shall be so constructed as to insure continuous uniformity in the dimensions of the stripe. The applicator shall provide means for cleanly cutting off stripe ends squarely and shall provide a method of applying "skip" lines.

4.3.3 Glass spheres applied to the surface of the completed stripe shall be applied by and automatic bead dispenser attached to the striping machine in such a manner that the beads are dispensed almost instantaneously upon the installed line. The glass sphere dispenser cutoff shall be synchronized with the automatic cutoff of the thermoplastic material.

4.3.4 Applicators shall be mobile and maneuverable to the extent that straight lines can be followed and normal curves can be made in a true arc.

4.3.5 The applicator equipment to be used on roadway installations shall consist of either hand equipment or truck mounted units depending on the type of marking required.

4.4 Applications

4.4.1 **General:** All of the pertinent portions of 652.04 shall apply to this Specification except as

noted below:

- 4.4.2 Painted traffic strip shall not be applied when the pavement temperature in the shade is 40°F or below.
- 4.4.3 Roadways that have been resurfaced shall be laid out and then repainted to original conditions.
- 4.4.4 The material, when formed into traffic strips, must be readily renewable by placing an overlay of new material directly over an old line of compatible material. Such new material shall bond itself to the old line in such a manner that no splitting or separation takes place.
- 4.4.5 Longitudinal lines shall be off-set at least two (2) inches from construction joints of Portland cement concrete pavements.
- 4.4.6 Crosswalks, stop bars, and symbols shall have a minimum thickness of 3/32" at the edges and a maximum thickness of 3/16" at the center.
- 4.4.7 **Cleaning:** All pavement areas to be striped shall be thoroughly cleaned. Cleaning may be accomplished by the use of hand brooms, rotary brooms, air blasts, scrapers or other approved methods which leave the paving surface thoroughly clean and undamaged. Particular care shall be taken to removal of all vegetation and road film from the area to be striped.
- 4.5 **Warranty:** The contractor shall transfer to the City the warranty on paint materials issued by the manufacturer. The contractor shall also furnish to the City the normal warranty for application. These warranties shall specify the guaranteed retainage of material for a stated period beginning with the application date. These warranties shall be delivered to the City at the pre-construction conference.
- 4.6 **Measurement:** Traffic stripe, complete in place and accepted, will be measured as follows:
 - 4.6.1 Solid paint stripe of the color, width and sphere type shown on the plans will be measured by the linear foot, linear mile, or square yard as specified. Breaks or omissions in solid lines or stripes at street or road intersections will not be measured for payment.
 - 4.6.2 Skip traffic stripe of the color, width, spacing and sphere type shown on the plans will be measured by the gross linear mile as specified. The unpainted space between the painted stripes will be included in the overall measurement so long as the plan ratio of 1:3 for a ten (10) foot segment and 30 foot gap remains uninterrupted. Measurement will begin and end on a stripe.
 - 4.6.3 Linear measurements may be made by electronic measuring devices attached to a vehicle.
 - 4.6.4 When painted traffic stripe is to be paid for by the square yard, the actual number of square yards painted will be measured, and the space between the stripes will be included in the overall measurement
 - 4.6.5 Each paint painted work and/or symbol complete in accordance with plan dimensions will be measured by the unit.
- 4.7 **Unit Prices:** Payment in each case as specified above shall be full compensation for the work under this contract. Unit prices shall include all charges associated with the cleaning and preparing of surfaces, furnishing of all materials; the application, protection from traffic during curing, including necessary warning signs, the furnishing of all tools, machine and all other equipment necessary to complete the item. All necessary traffic control will be provided by the contractor. All charges for required personnel and equipment shall be included in the stated unit prices.
- 4.8 **Scheduling:** The contractor must be able to start work within seven (7) working days of notification. Upon starting, contractor must complete all assigned locations, weather

permitting.

- 4.9 This is an annual contract and prices are to be held firm for a period of one (1) year (12 months). This contract may be extended for three (3) additional one (1) year periods upon mutual agreement of the contracting parties.
- 4.10 The City of Savannah reserves the right to award this contract to primary, secondary, and tertiary vendors. Secondary and tertiary suppliers may be selected to fill orders if the primary supplier cannot make provision to the City when time is of the essence.

5.0 **General Specifications**

5.1 The bid response must include the following documents in this order:

- Bid Proposal Form (as a cover sheet)
- Exception Sheet
- Non-Discrimination Statement
- Proposed Schedule of MWBE Participation
- Other submittals as stated

All referenced documents must be completed and returned in their entirety to constitute a complete bid.

5.2 All bids must be submitted in DUPLICATE.

5.3 Original invoices should be sent to:

City Of Savannah
Accounts Payable
PO Box 1027
Savannah, GA 31402

Duplicate invoices should be sent to the using department.

5.4 The vendor is responsible for determining and acknowledging any addenda issued in connection with this bid solicitation. All addenda issued in connection with this event must be acknowledged in the bidder's response in order for the bid to be considered.

5.5 To be awarded bids, vendors must be registered as suppliers on the City of Savannah's website at www.savannahga.gov.

6.0 Insurance Requirements

6.1 Comprehensive General Liability

Contractor shall carry comprehensive general liability on an occurrence form with no "x, c or u" exclusions with the following minimum limits:

- Each occurrence - \$1,000,000
- Damage to Rented Premises - \$50,000
- Medical Expense - \$5,000
- Personal & Adv Injury - \$1,000,000
- General Aggregate - \$2,000,000
- Products – Completed Ops. Aggregate - \$2,000,000

General aggregate shall apply on a per project basis.

Contractor will provide a Certificate of Insurance reflecting required coverage. The Mayor and

Aldermen of the City of Savannah shall be named as Certificate Holder.

A waiver of subrogation endorsement to the policy in favor of the City shall also be provided and attached to the certificate.

A (30) day notice of cancellation in favor of the City must be endorsed to policy and attached to the certificate.

6.2 Commercial Automobile Liability

The automobile policy must include coverage for owned, non-owned, and hired automobiles.

- Minimum limits are \$1,000,000.
- Contractor will provide a Certificate of Insurance reflecting required coverage.
- A waiver of subrogation endorsement to the policy in favor of the City shall also be provided and attached to the certificate.
- A (30) day notice of cancellation in favor of the City must be endorsed to policy and attached to the certificate.

6.3 Workers Compensation

Contractor shall carry a workers compensation policy including all statutory coverage required by Georgia state law.

Minimum employer's liability limits:

- \$500,000 each accident
- \$500,000 each employee (disease)
- \$500,000 policy limit (disease)

Contractor will provide a Certificate of Insurance reflecting required coverage.

A waiver of subrogation endorsement to the policy in favor of the City shall also be provided and attached to the certificate.

A (30) day notice of cancellation in favor of the City must be endorsed to policy and attached to the certificate.

7.0 Bonding:

(Check where applicable)

- (A) Each bidder shall post a bid bond, certified check or money order made payable to the City in the amount of 5% of the bid price. A company check is not acceptable. No bids shall be read or considered without a proper form of security.
- (B) No bond, certified check, or U.S. Money Order is required.
- (C) Bidder shall post a payment / performance bond, certified check or money order payable to the City in the amount of 100% of the bid price if awarded the purchase. Such bond(s) are due prior to contract execution as a guarantee that goods meet requirements of the contract including timely delivery, performance specifications and warranty requirements. Such bonds will also guarantee quality performance of services and timely payment of invoices to any subcontractors.

[] (D) Bidder shall post a performance bond, certified check or money order in the amount of % of the bid price if awarded the purchase. Such bond(s) are due prior to contract execution as a guarantee of timely delivery and that equipment, materials and /or goods are delivered according to specifications.

Whenever a bond is provided, it shall be executed by a surety authorized to do business in the State of Georgia, approved by the City, and must be executed on the attached forms. At the discretion of the City, other forms of security may be considered in lieu of a performance bond.

EXCEPTION SHEET

Event # 4483

If the commodity(ies) and/or services proposed in the response to this bid is in anyway different from that contained in this proposal or bid, the bidder is responsible to clearly identify by specification section number, all such differences in the space provided below. Otherwise, it will be assumed that bidder's offer is in total compliance with all aspects of the proposal or bid.

Below are the exceptions to the stated specifications:

Date

Signature

Company

Title

BID PROPOSAL FORM

(SUBMIT AS THE COVER SHEET)

City of Savannah Purchasing Department
3rd Floor, City Hall
P. O. Box 1027
Savannah, Georgia 31402

EVENT NUMBER: 4483
Business Location: (Check One)
 Chatham County
 City of Savannah
 Other

ATTN: Purchasing Director

ALL BIDDERS MUST BE REGISTERED SUPPLIERS ON THE CITY'S WEBSITE TO BE AWARDED A CONTRACT. PLEASE REGISTER AT WWW.SAVANNAHGA.GOV. ALL MANUALLY SUBMITTED BIDS MUST BE SUBMITTED ON THE BID PROPOSAL FORM CONTAINED IN THESE SPECIFICATIONS TO BE CONSIDERED.

Name of Bidder: _____

Street Address: _____

City, State, Zip Code: _____

Phone: _____ Fax: _____

Email: _____

DO YOU HAVE A BUSINESS TAX CERTIFICATE ISSUED IN THE STATE OF GEORGIA?
(CHECK ONE) YES: NO:

FROM WHAT CITY/COUNTY _____
TAX CERTIFICATE #: _____ FED TAX ID #: _____

INDICATE LEGAL FORM OF OWNERSHIP OF BIDDER (STATISTICAL PURPOSES ONLY):
CHECK ONE: CORPORATION PARTNERSHIP
 INDIVIDUAL OTHER
(SPECIFY: _____)

INDICATE OWNERSHIP STATUS OF BIDDER
(CHECK ONE):
 NON-MINORITY OWNED ASIAN AMERICAN
 AFRICAN AMERICAN AMERICAN INDIAN
 HISPANIC OTHER MINORITY
 WOMAN (non-minority)

Do you plan to subcontract any portion of this project? Yes _____ No _____
If yes, please complete the attached schedule of M/WBE participation. Also complete the schedule if you will be using any M/WBE suppliers.

THE UNDERSIGNED PROPOSES TO FURNISH THE FOLLOWING ITEMS IN STRICT CONFORMANCE TO THE BID SPECIFICATIONS AND BID INVITATION ISSUED BY THE CITY OF SAVANNAH FOR THIS BID. ANY EXCEPTIONS ARE CLEARLY MARKED IN THE ATTACHED COPY OF BID SPECIFICATIONS.

ITEM NO	DESCRIPTION	ESTIMATED QUANTITY	UNIT PRICE	TOTAL
1	4" Skip White or Yellow Traffic Stripe	120,000 G.L.F.		
2	4" Solid White or Yellow Traffic Stripe (Edge Line)	50,000 L.F.		
3	4" Solid White or Yellow Traffic Stripe (Lane Line or Barrier Line)	100,000 L.F.		
4	Traffic Stripe, 8" Solid White (Crosswalk)	10,500 L.F.		
5	Traffic Stripe, 16" Solid White (Stop Bar)	1,000 L.F.		
6	Pavement Marking - Arrow Single Head	70 Each		
7	Pavement Marking - Arrow Double Head	15 Each		
8	Pavement Markings, Words (Stop, Only, ect.)	100 letters		
9	24" Solid White (Stop Bar)	6,500 Linear Feet		
10	12" Solid White Traffic Stripe	5,000 Linear Feet		
11	5" White or Yellow Skip Line	40,000 Linear Feet		
12	5" White or Yellow Solid Line (Edge Line)	40,000 Linear Feet		

TOTAL BID \$ _____

PAYMENT TERMS: PLEASE CHECK ONE AND FILL IN BLANKS
(Minimum of 10 working days must be allowed for discount to be considered in bid award)

___ Less ___ % ___ Days Prompt Payment Discount (if offered) (_____)

___ Net - 30 Days (no discount offered) - 0 -

TOTAL NET BID \$ _____

CAN YOU MEET THE INSURANCE REQUIREMENTS AS SPECIFIED? ___ Yes ___ No

CONFIRM RECEIPT OF ANY ADDENDA ISSUED FOR THIS BID:

ADDENDUM _____ #
DATE _____

I certify this Bid complies with the General and Specific Specifications and Conditions issued by the City except as clearly marked in the attached copy.

Please Print Name

Authorization Signature

Date

NON-DISCRIMINATION STATEMENT

The bidder certifies that:

- (1) No person shall be excluded from participation in, denied the benefit of, or otherwise discriminated against on the basis of race, color, national origin, or gender in connection with any bid submitted to the City of Savannah or the performance of any contract resulting therefrom;
- (2) That it is and shall be the policy of this Company to provide equal opportunity to all business persons seeking to contract or otherwise interested in contracting with this Company, including those companies owned and controlled by racial minorities, cultural minorities, and women;
- (3) In connection herewith, We acknowledge and warrant that this Company has been made aware of, understands and agrees to take affirmative action to provide such companies with the maximum practicable opportunities to do business with this Company;
- (4) That this promise of non-discrimination as made and set forth herein shall be continuing in nature and shall remain in full force and effect without interruption;
- (5) That the promises of non-discrimination as made and set forth herein shall be and are hereby deemed to be made as part of and incorporated by reference into any contract or portion thereof which this Company may hereafter obtain and;
- (6) That the failure of this Company to satisfactorily discharge any of the promises of non-discrimination as made and set forth herein shall constitute a material breach of contract entitling the City of Savannah to declare the contract in default and to exercise any and all applicable rights and remedies including but not limited to cancellation of the contract, termination of the contract, suspension and debarment from future contracting opportunities, and withholding and or forfeiture of compensation due and owing on a contract.

Signature

Title

PROPOSED SCHEDULE OF M/WBE PARTICIPATION

All M/WBEs listed **must be certified as a minority-owned or women-owned business** by the City of Savannah or a federally-recognized or state-level certifying agency (such as USDOT, State DOT, SBA 8(a) or GMSDC) that utilizes certification standards comparable to the City of Savannah **prior** to the due date of this bid. **Other business certifications that do not specify majority woman or minority ownership may not be substituted. Proof of M/WBE certification from the certifying agency is required to accompany the bid.** A firm that has submitted an application for M/WBE certification but has **not** been certified is **not** qualified as a certified M/WBE and will not be recognized as such during the City's evaluation process. To expedite verification, please provide accurate phone numbers for all M/WBEs listed and ensure firms understand contact will be made following bid submittal.

Name of Proposer: _____ Event No. **4483**

Project Title: _____

NOTE: Unless certified through the City of Savannah M/WBE Program, proof of M/WBE certification must be attached for all firms listed.

Name of M/WBE Participant	Name of Majority Owner	Telephone	Address (City, State)	Type of Work Sub-Contracted	Estimated Sub-contract Value	MBE or WBE	Certified? (Y or N)	Certifying Agency? (City of Sav. or Other)
					%			
					%			
					%			
					%			
					%			
					%			

MBE Participation Value: _____ % WBE Participation Value: _____ % M/WBE Participation Value: _____ %

The undersigned will enter into a formal agreement with the M/WBE Subcontractors/Proposers identified herein for work listed in this schedule, conditioned upon executing a contract with the Mayor and Aldermen of the City of Savannah. The Prime's subcontractor that subcontracts work must enter into a formal agreement with the tier subcontractor identified herein for work listed in this schedule. The Prime may count toward the goal any tier of M/WBE subcontractors and/or suppliers that will be utilized in the contract work. However, when an M/WBE subcontracts part of the work, the value of the subcontracted work may **only** be counted toward the goal **if the tier subcontractor is an M/WBE**. Any work an M/WBE firm subcontracts to a non-M/WBE firm **will not count toward the M/WBE goal**. It is the responsibility of the Prime contractor to advise all M/WBEs of this requirement and to ensure compliance by subcontractors.

Joint Venture Disclosure

If the prime bidder is a joint venture, please describe the nature of the joint venture, the level of work and the financial participation to be provided by the Minority/Female joint venture firm in the space provided below.

Joint Venture Firms	Level of Work	Financial Participation

Printed name (company officer or representative): _____

Signature: _____ Date _____

Title: _____ Email: _____

Telephone: _____ Fax: _____

The Minority/Women Owned Business Office is available to assist with identifying certified M/WBEs. Please contact the M/WBE Office at (912) 652-3582. The City of Savannah's certified M/WBE registry is posted on its website @ www.savannahga.gov

Developing a Strong M/WBE Participation Plan

Key facts every bidder/proposer needs to know prior to developing their M/WBE Participation Plan:

1. All bidders/proposers must submit a “Proposed Schedule of M/WBE Participation” which identifies the minority and/or woman-owned companies that have agreed to participate in the project if awarded. All companies listed on the form must be certified as either **minority**-owned and controlled or **woman**-owned and controlled. The City does not accept a company’s “self-identification” as minority or woman-owned.
2. **Proof** of M/WBE certification from the certifying agency is required to accompany the bid; and certification must have been completed by the City of Savannah, a federally-recognized or a state-level certifying agency (USDOT, State DOT, SBA 8(a) or GMSDC) utilizing certification standards comparable to the City of Savannah.
3. The certification must have been approved **prior** to the due date of this bid. A firm that has submitted an application for certification but has **not** been certified will not be counted toward the M/WBE goal.
4. The M/WBE Office **will be contacting all M/WBE firms** included in the bidder’s M/WBE Plan to confirm each: a) was contacted by the bidder/proposer; b) performs the type of work listed; and c) agreed to participate.
5. To expedite the verification process, bidders/proposers need to: provide accurate phone numbers for all M/WBEs listed; ensure M/WBEs know to expect to be contacted by phone and email; request M/WBEs be accessible during the critical period before bid-opening; and advise M/WBEs that City staff **must** receive the M/WBE’s confirmation that the firm agreed to participate in the bid/proposal in order for the prime contractor to receive credit toward their proposed M/WBE participation goals.
6. If a proposed M/WBE cannot be confirmed as certified, performing the type of work described or agreeing to participate, the bidder/proposer will be notified and given a pre-determined period to submit a correction. If an M/WBE still cannot be confirmed or replaced, the proposed percentage of participation associated with the unverified M/WBE firm will **not be counted** and **will be deducted** from the overall proposed M/WBE goal.
7. Any tier of M/WBE subcontractors or suppliers that will be utilized in the contract work may count toward the MBE and WBE goal **as long as the tier subcontractors/suppliers are certified M/WBEs**. Work that an M/WBE subcontracts to a non-M/WBE firm does **not** count toward the M/WBE goal.
8. M/WBEs must perform a “**commercially useful function**” which is the provision of **real and actual work or products**, or performing a distinct element of work for which the business has the skills, qualifications and expertise, and the responsibility for the actual management and supervision of the work contracted.
9. Per the *Proposed Schedule of M/WBE Participation* “the undersigned (bidder/proposer) will enter into a formal agreement with the M/WBE Subcontractors/Proposers identified herein for work listed in this schedule, conditioned upon executing a contract with the Mayor and Aldermen of the City of Savannah.” **This signed commitment is taken seriously by the City**, so do not list M/WBEs you do not plan to utilize. Any proposed changes must be pre-approved by the M/WBE Office, be based on legitimate business-related reasons, and still meet the M/WBE participation goals per the City’s contract.
10. A bidder who is a certified M/WBE may count toward the goal the portion of work or services on a City contract that is actually performed by the M/WBE, including: the cost of supplies/materials purchased or equipment leased for contract work, fees for bona fide services such as professional or technical services, or for providing bonds or insurance specifically required for the performance of a City contract.
11. If awarded the contract, the MWBE Office **will be reviewing your company’s subcontracts, invoices and payment records** to substantiate the completion of work and payment of M/WBEs. If the prime contractor is an M/WBE that is being included in its M/WBE goal, the prime contractor must maintain records **that will be inspected** to prove the portion of work performed, cost of work, and payments to the prime company.
12. Most bids for goods and materials do not have specific MWBE goals established for the contract. If no goals are include in the scope of work or General Specifications, you are not required to submit MWBE participation but encouraged to do so when the opportunity is available. The City maintains this information for statistical purposes only and it is not reflected in the award decision.