



SECTION 4

SPECIFICATIONS AND SPECIAL CONDITIONS

THERMOPLASTIC PAVEMENT MARKINGS ANNUAL CONTRACT

Event# 5326

- 4.0 The purpose of these specifications is to establish an annual contract for producing thermoplastic pavement markings. This service will consist of furnishing and applying thermoplastic reflectorized pavement marking compound that is extruded or sprayed on the pavement by mechanical means and which, upon cooling to pavement temperature, 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.

Thermoplastic traffic stripe shall consist of solid or broken (skip) lines, words and/or symbols of the type, color, and location shown on the Traffic Engineering plans. It is the intent of these specifications that short lines which are defined to be crosswalks, stop bars, arrows, symbols, and crosshatching shall be extruded. All other 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.

A pre-bid conference has been scheduled to be conducted at the Purchasing Office, third floor, City Hall, 2 E. Bay Street, Savannah, Georgia 31401. 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 compound 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. In the plastic state, the material shall not give off fumes which are toxic or otherwise injurious to persons or property and they shall not break down or deteriorate. The temperature versus viscosity characteristics of the plastic material shall remain constant through up to four (4) reheatings, and shall be the same from batch to batch. There shall be no obvious change in color of the material as the result of up to four (4) reheatings, or from batch to batch. To insure

the best possible adhesion, the compound as specified, shall be installed in a melted state at the temperature recommended by the manufacturer, but not less than 375°F, and the material shall not scorch or discolor if kept at this temperature.

4.1.2 **Material Composition:** The binder shall consist of a mixture of synthetic resins at least one of which is solid at room temperature. The total binder content of the thermoplastic compound shall not be less than fifteen percent (15%) or more than 35% by weight. The fillers shall be white calcium carbonate or equivalent filler with a compressive strength of 5,000 pounds per square inch. The pigmented binder shall be well dispersed and free from all skins, dirt, foreign objects, or such ingredients that would cause bleeding, straining, or discoloration.

4.1.3 **Suitability for Application:** The thermoplastic material shall be a product especially compounded for traffic markings. The markings shall not smear or spread under normal traffic conditions at temperatures below 120°F. The marking shall have a uniform cross-section. Pigment shall be evenly dispersed throughout the material. The density and character of the material shall be uniform throughout its thickness.

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.

4.1.4 **Drying Time:** The drying time shall not exceed a characteristic straight line curve, the lower limits of which are one (1) minute at 50°F, the upper limits of which are fifteen minutes at 90°F, both temperatures measured at a maximum relative humidity 70%. After application and proper drying time, the material shall show no appreciable deformation or discoloration under local traffic conditions at a road temperature ranging from -20° to 140°F.

4.1.5 **Color:** White thermoplastic material shall contain a minimum of eight percent (8%) titanium dioxide and, after setting, shall be pure white and free from dirt or tint. Yellow reflectorized thermoplastic material shall be Federal Yellow in color. The material shall not change its color and brightness characteristics after prolonged exposure to sunlight.

4.1.6 **Reflectorization:** During manufacture, reflectorizing glass spheres shall be mixed into the material to the extent of not less than 16% using glass spheres having a minimum refractive index of 1.65 or not less than 30% using glass spheres having a minimum refractive index of 1.50. Glass spheres shall also be automatically applied to the surface of the installed stripe at a minimum uniform rate of 14 pounds of glass spheres to every 100 square feet of line. For motorized equipment used to apply long lines, the glass spheres shall be expelled from a pressure type gun which will embed them into the thermoplastic material for at least 2 their diameter immediately after it has been applied to the pavement.

4.2 Physical Requirements of Thermoplastic

4.2.1 **Color:** The white compound shall be pure white and free from dirt or tint. As demonstrated by a standard color difference meter, such as the Gardner Color Difference Meter, the material shall show deviations from a magnesium oxide standard not greater than the following:

<u>Scale</u>	<u>Definition</u>	<u>Magnesium Oxide Standard</u>	<u>Sample</u>
Rh	Reflectance	100	70 min.
a	Redness-Greenness	0	-5 to +5
b	Yellowness-Blueness	0	-10 to +10

The color of the yellow compound shall be equal to standard color chips, using Federal Test Method Standard 141, Method 4252.

- 4.2.2 **Color Retention:** Retention of the initial color shall be determined as follows: Specimens shall be prepared and tested from samples submitted in accordance with ASTM: D620. The ultraviolet light source shall be as specified in the test procedure, or may be a 175-watt sunlamp, with a built in reflector. After 100 hours of exposure, the test specimens shall show no perceptible color change when compared with an unexposed specimen.
- 4.2.3 **Water Absorption:** Materials shall have no more than 0.5% by weight of retained water when tested by ASTM: D570, procedure (a).
- 4.2.4 **Softening Point:** Materials shall have a softening point of not less than 175°F.
- 4.2.5 **Specific Gravity:** Specific gravity of the thermoplastic compound at 25°C shall be from 1.9 to 2.5.
- 4.2.6 **Impact Resistance:** The impact resistance shall not be less than ten (10) inch-pounds at 77°F after the material has been heated for four (4) hours at 400°F and cast into bars of one (1) inch cross-sectional area, three (3) inches long and placed with one (1) inch extending above the vice in a cantilever beam (Izod type) tester using the 25 inch-pound scale. This instrument is described in ASTM:D256.
- 4.2.7 **Indentation Resistance:** The reading of the Shore Durometer, Type A2, as described in ASTM: D2240 shall not be less than the amounts specified below when the material is tested after heating for four (4) hours at 400°F and cooled to the following temperature:

<u>Temperature</u>	<u>Reading</u>
77°F	88

- 4.2.8 **Low Temperature Stress Resistance:** The contractor shall furnish sample test blocks coated with the compound by the same method as is to be used in the actual installation. The samples shall not crack or fail to adhere to the substrate when tested as follows: A sample coated with not less than 32 square inches of the compound shall be immersed in cold water for one (1) hour, then immediately placed in a freezer chest or other insulated cold compartment and maintained at a temperature of minus 201F for 24 hours. After 24 hours, the sample shall be removed from the cold compartment and allowed to come to normal room temperature. The compound shall show no cracking or flaking off when examined following the exposure cycle.
- 4.2.9 **Reheating:** The compound shall not break down, deteriorate, scorch, or discolor if held at the plastic temperature for a period of four (4) hours or by reason of four (4) reheatings to the plastic temperature.

4.2.10 **Abrasion Resistance:** The material shall not show more than a maximum loss of 0.4 grams when subjected to 200 revolutions on the Tabor Abrazer at 251 C using H22 calibrate wheels, weighted to 500 grams. The wearing surface should be kept wet with distilled water throughout the test.

4.3 Glass Spheres Physical Requirements

4.3.1 **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. **Imperfections**

When viewed through a 60 power microscope in the refractive index liquid, no more than five (5) % of the spheres shall show evidence of air inclusions, bubbles, lap lines, chill wrinkles or other imperfections.

C. **Foreign Matter**

The quality for foreign matter shall not exceed one (1) %.

D. **Index Refraction**

The index refraction of the premixed glass spheres shall be determined by the liquid immersion method 251 C.

E. **Graduation**

When tested in accordance with ASTM:1224, the beads used in the thermoplastic material compounding shall be as follows:

<u>U.S. Standard Sieve Size</u>	<u>Present Passing</u>
16	100
30	60 - 90
50	15 - 40
80	0 - 10
100	0 - 5

F. **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.

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

4.4 **Sealing Primer:** The particular type of sealing primer and the proportions used shall be as recommended by the manufacturer of the thermoplastic compound.

4.5 **Construction**

4.5.1 **Equipment:** The material shall be applied to the pavement by an extrusion method wherein one side of the shaping die is the pavement and the other three sides are contained by or are part of suitable equipment for heating and controlling the flow of the material, or it shall be applied by spray techniques. Either method shall be applied as to assure continuous uniformity in the dimension of the stripe. The type of application at each location shall be designated by the Traffic Engineering Department.

4.5.2 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%.

4.5.3 The equipment shall be constructed to provide continuous mixing and agitation of the material. Conveying parts of the equipment between the main material reservoir and the shaping die or the gun shall be constructed as to prevent accumulation and clogging. All parts of the equipment which come in contact with the material shall be so constructed as to be easily accessible and with ability to be exposed for cleaning and maintenance. The equipment shall be constructed so that all mixing and conveying parts up to and including the shaping die or gun maintain the material at the plastic temperature with heat transfer oil or electrical element controlled heat. No external source of direct heat will be allowed.

4.5.4 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. The use of pans, aprons, or similar appliances which the die overruns will not be permitted under this Specification. The equipment shall also be capable of producing varying widths of traffic markings.

4.5.5 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.

4.5.6 Special kettle(s) shall be provided for melting and heating the thermoplastic material. The kettle(s) must be equipped with automatic thermostatic control devices so as to provide positive temperature control and prevent over-heating of the material. The applicator and kettle(s) must be so equipped and arranged as to satisfy the requirements of the National Fire Underwriters.

4.5.7 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.

4.5.8 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.

4.5.9 The hand equipment shall have sufficient capacity to hold 150 pounds of molten material and shall be sufficiently maneuverable to install crosswalks; lane, edge, and center lines; arrows and legends. The truck-mounted unit for lane, edge, and center lines shall consist of a mobile self-contained unit carrying its own material and capable of operating at a minimum speed of five (5) miles per hour while installing striping.

4.6 **Applications**

All of the pertinent portions of 652.04 shall apply to this Specification except as noted below:

4.6.1 Thermoplastic traffic strip shall not be applied when the pavement temperature in the shade is 40°F or below.

- 4.6.2 For all extruded thermoplastic, and where directed by the engineer for sprayed thermoplastic; on old asphaltic concrete pavements where the aggregates are exposed, and on all Portland cement concrete pavement as directed by the engineer, to insure optimum adhesion, the contractor shall apply a binder-sealer material prior to the actual thermoplastic installation. The binder-sealer material will form when applied with conventional mobile paint spraying equipment, a continuous film over the pavement surface which will dry rapidly and mechanically adhere to the pavement surface. The binder-sealer shall be that product currently in use and recommended by the thermoplastic material manufacturer as shown in the Qualified Products List. To insure optimum adhesion, the thermoplastic material shall be installed in a melted state at a temperature consistent with the manufacturer's recommendations, but less than 375°F
- 4.6.3 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.
- 4.6.4 Longitudinal lines shall be off-set at least two (2) inches from construction joints of Portland cement concrete pavements.
- 4.6.5 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.
- 4.6.6 Minimum average film thickness of .090" *for lane lines and .060** for edge lines shall be maintained on all markings unless otherwise noted on the Plans. This is to be computed on the basis of the amount of material used each. The glass sphere top coating must be applied by means of a pressure type spray gun designed specifically for this purpose, and which embed the spheres into the line surface to at least one-half their diameter. The glass spheres shall be applied at the rate of fourteen (14) pounds of spheres to each 100 square feet of compound. It shall be the responsibility of the contractor to supply all of the necessary auxiliary vehicles required for this operation.

*Minimum Average Film Thickness (Inches) (4" Wide Stripe)

$$= \frac{\text{Pound Used}}{\text{Total Linear Feet}} \times 0.270$$

**Minimum Average Film Thickness (Inches)

$$= \frac{\text{Pounds Used}}{\text{Total Linear Feet}} \times 0.135$$

- 4.6.7 **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.

4.7 **Packaging**

- 4.7.1 The material shall be delivered in 50-pound unit cardboard containers or 50-pound bags of sufficient strength to permit normal handling during shipment and transportation on the job without loss of material.
- 4.7.2 Each unit container shall be clearly and adequately marked to indicate the color of the material, the process batch number or similar manufacturer's identification, the manufacturer's name and address of the plant and the date of manufacture.

- 4.8 **Acceptance:** Segments of the thermoplastic traffic stripe project which have been placed in conformance with the plans and specifications may be accepted, if satisfactory, 30 days after completion of all work required in that segment and the contractor will be relieved of any further maintenance on such segments.

- 4.9 **Certification:** The producers of the thermoplastic compound and glass spheres shall furnish to the department, six (6) copies of certified test reports showing results of all tests specified herein, and shall further certify that the materials meet all requirements of this Section. Final acceptance, however, will be contingent upon satisfactory test results of samples obtained after delivery.
- 4.10 **Warranty:** The contractor shall transfer to the City the warranty on thermoplastic materials issued by the manufacturer. The contractor shall also furnish 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.
- 4.11 **Measurement:** Thermoplastic traffic stripe, complete in place and accepted, will be measured as follows:
- 4.11.1 Solid traffic 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.
 - 4.11.2 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 (ten (10) foot segment and 30 foot gap) remains uninterrupted. Measurement will begin and end on a stripe.
 - 4.11.3 Linear measurements may be made by electronic measuring devices attached to a vehicle.
 - 4.11.4 When thermoplastic 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
 - 4.11.5 Each thermoplastic painted work and/or symbol complete in accordance with plan dimensions will be measured by the unit.
- 4.12 **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.
- 4.13 **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.
- 4.14 The contract will be awarded to the vendor(s) with the lowest net cost to the City and who meets all City specifications
- 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.
- 4.15 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 two additional one (1) year periods upon mutual agreement of the contracting parties.
- 4.16 **Qualifications/References:** Upon request, the vendor must be able to supply a minimum of three references that can attest to the successful completion of projects with a similar scope of work. The references should include company name, contact person, and phone

number.

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.

5.6 This is an annual contract. Prices shall remain firm. This agreement may be renewed for up to three (3) additional twelve (12) month periods, if all contracting parties so agree and services provided by the vendor have been satisfactory. The first term of this contract shall begin upon award and shall end on December 31, 2018. All remaining renewal options, if exercised, shall begin on January 1 and end on December 31 of each subsequent year.

5.7 Period of Non-Communication: Those intending to respond to this event, their employees, agents, and attorneys, shall not make contact with City Council members, or with City staff outside of the Purchasing Department during the bidding process and evaluation phase.

5.8 This contract will be awarded to the vendor offering the lowest net price to the City, and meeting or exceeding all specifications herein. The City reserves the right to split the award if deemed to be in its best interest. The City also reserves the right to award to a primary and secondary vendor if deemed advantageous. In the event the contract is awarded to a primary and secondary vendor, the secondary vendor will be utilized when the primary vendor is unable to fulfill the contract requirements within the specified time.

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 # 5326

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: 5326
Business Location: (Check One)
 Chatham County
 City of Savannah
 Other

ATTN: Purchasing Director

ALL BIDDERS MUST BE REGISTERED VENDORS ON THE CITY'S WEBSITE TO BE AWARDED AN EVENT. PLEASE REGISTER AT WWW.SAVANNAHGA.GOV. IF SUBMITTING A BID PROPOSAL MANUALLY, IT MUST BE SUBMITTED ON THIS FORM.

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 (describe) _____
 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 - .90 mil	50,000 GLF		
2	4" Solid White or Yellow Traffic Stripe (Edge Line) - .60 mil	50,000 LF		
3	4" Solid White or Yellow Traffic Stripe (Lane Line or Barrier Line) .90 mil	50,000 LF		
4	Traffic Stripe, 8" Solid White (Crosswalk)	10,500 LF		
5	Traffic Stripe, 16" Solid White (Stop Bar)	1,000 LF		
6	Pavement Marking - Arrow Single Head	70 Each		
7	Pavement Marking - Arrow Double Head	15 Each		
8	Pavement Markings, Words (Stop, Only, etc.)	100 letters		
9	24" Solid White (Stop Bar)	6,500 LF		
10	12" Solid White Traffic Stripe	5,000 LF		
11	Rail Road Symbol	25 Each		
12	5" White or Yellow Skip Line	40,000 GLF		
13	5" White or Yellow Solid Line (Edge Line)	40,000 LF		
14	Thermoplastic Traffic Stripe White or Yellow	2,500 SY		

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 REQUIREMENT TO START WORK WITHIN SEVEN (7) DAYS OF NOTIFICATION PER SECTION 4.13? ___ Yes ___ No

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. _____

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.