

CHATHAM COUNTY PURCHASING & CONTRACTING DEPARTMENT

ADDENDUM NO. 3 TO 20-0003-4

FOR: PAVEMENT REHABILITATION 2020 1ST LET

PLEASE SEE THE FOLLOWING FOR ADDITIONS, CLARIFICATIONS AND/OR CHANGES:

- 1. REPLACE CURRENT BID SHEETS WITH THE ATTACHED *REVISED* BID SHEETS (2 pages)**
- 2. REPLACE CURRENT “*SPECIAL CONDITIONS*” SHEETS WITH THE *REVISED* “*SPECIAL CONDITIONS*” (6 pages)**
- 4. REPLACE CURRENT “*ROAD LISTING*” SHEETS WITH THE ATTACHED *REVISED* “*ROAD LISTING*” (4 pages)**

PLEASE NOTE: DUE TO THESE CHANGES/ADDITIONS, THE BID DUE DATE HAS BEEN EXTENDED.

**NOTE: BID DATE HAS BEEN EXTENDED TO:
2:00 PM, TUESDAY, FEBRUARY 18, 2020**

THE PROPOSER IS RESPONSIBLE FOR MAKING THE NECESSARY CHANGES AND MUST ACKNOWLEDGE RECEIPT OF ADDENDUM.

02/11/20
DATE



ROBERT E. MARSHALL
SENIOR PROCUREMENT SPECIALIST
CHATHAM COUNTY

**Pavement Rehabilitation 2020 1st Let
 BID SHEET (REVISED 2/11/20)**

Item No.	Description	Unit	Est. Quantity	Unit Price	Total
150-1000	TRAFFIC CONTROL	LS	1		
163-0232	TEMPORARY GRASSING	AC	2		
163-0240	MULCH	TN	10		
210-0100	GRADING COMPLETE	LS	1		
231-0100	DEEP PATCHING	SY	1990		
310-1101	GR AGGR BASE CRS, INCL MATL	TN	225		
402-1812	RECYCLED ASPH CONC LEVELING INCL. BITUM MATL & H LIME	TN	125		
402-3100	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TP 1, GP 1 OR BLEND 1, INCL. BITUM MATL & H LIME	TN	2770		
402-3103	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TP 2, GP 2 ONLY, INCL. BITUM MATL & H LIME	TN	6165		
402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL. BITUM MATL & H LIME	TN	200		
413-1000	BITUM TACK COAT	GL	7820		
415-1000	ASPH CONC OGI, GP BEND	TN	1500		
432-5010	MILL ASPH CONC PVMT, VARIABLE DEPTH	SY	45660		
441-0060	CONC FILLET AT INTERSECTION, 6 IN DEPTH, Class A	SY	132		
441-0104	CONC SIDEWALK, 4 IN	SY	105		
441-4118	CONC GUTTER WITH RAISED EDGE, 6 IN X 18 IN	LF	60		
441-6002	CONC CURB & GUTTER, 6 IN X 18 IN, TP 2	LF	165		
500-3801	CONC SWALE, 4 FT W X 6.5 IN D, CL A CONC INCL REINF STEEL	LF	90		
610-6515	REM HIGHWAY SIGN, STD	EA	7		
611-8050	ADJUST MANHOLE GRADE	EA	9		
636-1033	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 9	SF	15		
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 11	SF	83		
636-2070	GALV STEEL POSTS, TP 7	LF	224		
653-0110	THERMOPLASTIC PVMT MARKING, ARROW, TP 1	EA	6		
653-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	EA	5		
653-0130	THERMOPLASTIC PVMT MARKING, ARROW, TP 3	EA	3		

653-0210	THERMOPLASTIC PVMN MARKING, WORD, TP 1	EA	1		
653-0230	THERMOPLASTIC PVMN MARKING, WORD, TP 3A	EA	1		
653-0296	THERMOPLASTIC PVMN MARKING, WORD, TP 15	EA	1		
653-1501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	LF	6240		
653-1502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	LF	43400		
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	225		
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LF	640		
653-3501	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	GLF	80		
653-4830	THERMOPLASTIC SKIP TRAF STRIPE, 18 IN, WHITE	GLF	75		
653-6006	THERMOPLASTIC TRAFFIC STRIPING, YELLOW	SY	1265		
654-1001	RAISED PVMT MARKERS TP 1, Blue	EA	37		
700-6910	PERMANENT GRASSING	AC	2		
700-7000	AGRICULTURAL LIME	TN	4		
700-7010	LIQUID LIME	GL	10		
700-8000	FERTILIZER MIXED GRADE	TN	2		
999-9000	FIELD CONDITION ALLOWANCE	LS	1	\$25,000.00	\$25,000.00

Total Bid (Round off to whole dollar)

Name/ Title

Company

Address

Phone/ Fax Numbers

E-mail

(REVISED 2/11/20)

SPECIAL CONDITIONS
2020 Resurfacing (rev. 2/11/20)

1. **DESCRIPTION OF WORK:**

The work will consist of furnishing all materials, labor and equipment for:

Five miles of pavement resurfacing on eleven county roads including Queen Aire Drive, Sandy Pond Court, Tara Manor Drive, Chrisfany Place, Penrose Point, Whitefield Avenue-North, Kings Way Circle, Southbridge Boulevard, Pin Point Avenue, Greenview Drive, and Kings Way. Milling and paving to remove rumble strips on Diamond Causeway, Green Island Road and McWhorter Drive in advance of the intersection, Signing, marking and miscellaneous concrete improvements are also included.

Location maps, typical sections, roundabout plans and special provisions for the project are included in this proposal.

All work under this contract shall be done in accordance with the Georgia Department of Transportation (GDOT) Standard Specifications, latest edition and subsequent supplemental specifications; the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD) and the following Shelf Special Provisions which are available on the GDOT website at www.dot.ga.gov/PS/Business/Source/SpecialProvisions; 150 Traffic Control, 828 Hot Mix Asphaltic Concrete Mixtures, except for certain items deleted or modified in these documents. Special Provisions for 415 Asphaltic Concrete Open Graded Interlayer and Sampling and Testing are included in this proposal will also apply.

Contract administration, inspection and concrete testing will be performed by Chatham County or a consultant hired by Chatham County.

All materials used in the process of completion of the work included in the contract will be furnished from Georgia Department of Transportation certified suppliers only as per the GDOT Qualified Products List available on the website www.dot.ga.gov/PS/Materials/QPLCategories.

The Prime Contractor must be pre-qualified by GDOT at the time of the bid opening. All subcontractors must be qualified or registered by GDOT prior to beginning work on the project. All subcontractors must be listed in the bid package or approved by the County in writing prior to performing work on the project.

It is the responsibility of the bidder to carefully examine and fully understand the construction contract, plans, technical specifications and other documents hereto attached and make a personal examination of the site of the proposed work, and satisfy him or herself as to the actual conditions and requirements of the work.

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

2. **COMMENCEMENT AND COMPLETION:** The Contractor shall agree to commence work under this contract within ten (10) working days after the Notice to Proceed is issued, and complete all work within 90 calendar days after the 10-day period. The Contractor shall work continuously on the project after the Notice to Proceed is issued. Time charges will stop when all pay item work is complete.

The Contractor will have 45 days to complete any punchlist work after a final inspection is performed and the punchlist is provided. Time charges will resume after 45 days and continue until all punchlist work is complete.

Intermediate Deadlines

1. Asphalt operations including milling, patching and paving must be completed on each road within two weeks of starting on all roads with the exception of Southbridge Boulevard which shall be completed within three weeks.
2. Milled surfaces shall be resurfaced as follows:
 - a. Asphalt shall be covered within 7 calendar days.
 - b. Soil cement shall be covered within 48 hours.
3. OGI shall be covered within 48 hours.

3. **MAINTENANCE:** Once the Notice to Proceed has been issued, the Contractor is held responsible for all maintenance of the pavement within the limits of the project throughout the duration of the contract without exception.

4. **LIQUIDATED DAMAGES:** Failure to complete all work within 90 calendar days plus any extension authorized in writing by the County Engineer shall entitle the County to deduct as "Liquidated Damages" from the monies due the Contractor the amount of \$250 for each calendar day in excess of the authorized construction time. The Georgia Department of Transportation schedule for liquidated damages will not be used.

Failure to meet any of the intermediate deadlines outlined above in the section for Commencement and Completion plus any extension authorized in writing by the County Engineer shall entitle the County to deduct as "Liquidated Damages" from the monies due the Contractor the amount of \$200 for each calendar day in excess of the authorized construction time and the Contractor will be required to make corrections or complete any patching required due to traffic on exposed surfaces at their own expense.

Failure to complete the punchlist work within 45 days after the contract time of 90 calendar days shall entitle the County to deduct as "Liquidated Damages" from the monies due the Contractor the amount of \$250 for each calendar day in excess of authorized construction time plus 45 days for completion of punchlist work.

5. **PRECONSTRUCTION CONFERENCE:** The Contractor shall attend a pre-construction conference prior to commencing any work. The Project Manager in charge of day to day operations and Project Superintendent shall to be in attendance.

6. **CONSTRUCTION SCHEDULE:** The Contractor shall prepare a detailed schedule showing progress dates and completion dates of all phases of construction. The schedule must be submitted and approved prior to commencement of work.

7. **PAYMENT:** Quantities are approximate and payment shall be for measurements of actual in-place work as per the bid documents, plans and specifications. Any quantities exceeding the contract amount shall be requested by the Contractor in writing, for approval by the County Engineer, prior to the work being performed. Payment will not be made for additional quantities without prior, written approval of the County Engineer.

8. **TRAFFIC CONTROL:** Traffic safety is paramount. All roads must be open to traffic at all times. The Contractor will be responsible for all traffic control, in accordance with the Manual on Uniform Traffic Control Devices, GDOT standards and details, Special Provision 150 and all other safety measures that will enhance the safety of the construction site. All costs associated with this work shall be included in the bid price for traffic control. The Contractor shall submit a traffic control plan for each road for approval prior to beginning any work. Any changes to the approved traffic control plan must be submitted and approved in writing.

9. **INCIDENTAL ITEMS OF CONSTRUCTION:** The cost associated with any incidental items of construction in which no specific pay items are set up for shall be included in the overall cost of the project.

10. **FORCE ACCOUNT:** When no agreement is reached for additional work to be done at Lump Sum or Unit Prices, then such additional work shall be done based on the following Cost-Plus-Percentage basis of payment. The Georgia Department of Transportation specifications for the use of a force account will not be used.

a. For work performed by the prime contractor/general contractor, the contractor shall be reimbursed for actual cost incurred in doing the work, and an additional payment of 15% to cover overhead and profit.

b. For work performed by a sub-contractor, the sub-contractor shall be reimbursed for actual cost incurred in doing the work, and an additional payment of 10% to cover overhead and profit. The contractor shall be allowed an overhead and profit mark-up not to exceed 7% on the subcontractor's price. The County shall not recognize subcontractors of subcontractors.

c. The term "Actual Cost" shall include the cost of material and labor as follows:

I. Material cost - Direct cost of material, sales tax, freight and equipment rental.

ii. Labor cost - Man hour cost listed separately by trade, payroll costs including workman's compensation, social security, pension and retirement.

d. The term "Overhead and Profit" shall include bonds (Payment & Performance, Roof & Wall), insurance (Liability, Builders Risk), permits, supervision costs (cost of subcontractor to supervise own work, cost of contractor to supervise work of sub-contractor), proposal preparation and all administrative costs.

11. **PRECONSTRUCTION INSPECTION:** A preconstruction DVD or CD of photographs is required and must be submitted to Chatham County Department of Engineering for approval prior

to the start of work. Each road should be filmed and labeled individually on the disk. Special emphasis shall be given to record the existing condition of roadway pavement, signs, driveways, utilities and any other improvements within 20 feet of the project limits.

12. **BITUMINOUS TACK:** Only Asphalt Cement, performance grade PG 58-22, PG 64-22 or PG 67-22 will be allowed. Emulsified asphalt shall not be used.

13. **WORK HOURS:** Contractor work hours shall be restricted to daylight hours on weekdays unless specifically approved otherwise at least 48 hours in advance. Approval is at the discretion of the County Engineer.

14. **UTILITIES:** The Contractor will be responsible for all utility coordination and protection of utility facilities.

15. **PRIME CONTRACTOR SUPERINTENDENT:** A qualified Superintendent of the prime contractor shall be on-site at all times during construction activities, including those of subcontractors. A sub-contractor will not be an approved representative of the prime contractor. If the Superintendent is not present to control the work, work may be suspended by County personnel until such time as the Superintendent is on-site and has adequately addressed any problems or concerns.

16. **DEEP PATCHING:** The bid price for this item is to include all labor and equipment for the excavation and removal of 4 inches of existing materials and grading and compaction of subgrade as required to correct isolated areas of failed pavement. Saw cut pavement for vertical edge. Contractor to replace existing materials with 440 lb/sy of 19mm SP. The asphalt will be paid separately. Patching is expected on sections Chrisfany Pl, Whitefield Ave-North, Southbridge Blvd, Pin Point Ave., and Kings Way. Coordinate locations and extent with County personnel one week prior to propose start date for the patching on each road. Asphalt for patches less than six ft in length or width may be placed in one lift. Patches greater than six feet in length and width must be paved in two lifts.

17. **HERBICIDE:** All areas of pavement must be sprayed with herbicide as needed to kill any existing grass growing in or through the pavement, in the gutters or between the roadway and gutter one week prior to beginning paving operations.

18. **GRADING COMPLETE:** Grading Complete for this project should include but is not limited to: borrow material, hauling and placing or excavating material as needed, grading shoulders and driveways, adjusting water valves to grade, tree trimming as needed to allow for paving operations, cleaning gutters throughout the paving limits and other miscellaneous work as required. Tree trimming may be required on Sandy Pond Court, Greenview Drive, Southbridge Boulevard, Pin Point Avenue, and Whitefield Avenue-North. Shoulder grading will be required on Queens Aire, Chrisfany Pl, Penrose Pt, Whitefield Ave-North, Southbridge Blvd, and Pin Point Ave. Grading of base material will be required on Chrisfany Place and Penrose Point. Some grading may require hand work around existing trees, landscaping and mailboxes. If mailboxes must be moved to complete shoulder work, the Contractor is responsible for removing and replacing them on the same day. Shoulder building shall not begin until at least three days after the paving is complete. The Contractor will be responsible for removal and replacement of any

damaged pavement surface as per GDOT specifications. See typical sections for shoulder grading details on each road.

19. **GRASSING:** Graded areas shall be stabilized daily with either grass or mulch. Grassing shall be completed within 7 days of disturbance. It will be the Contractors responsibility to maintain all areas until a final stand of grass is established and accepted. This includes watering, mowing, reseeding, additional applications of mixed grade fertilizer or other miscellaneous work as related to maintenance of the grass as needed. The cost for this work shall be included in the bid price for temporary and permanent grassing. The Contractor is responsible for keeping sediment from entering storm drainage structures or leaving the site. Additional Best Management Practice (BMP) devices may be required and will not be measured separately for payment but will be included in the overall bid for the project.

20. **MISCELLANEOUS CONCRETE:** All concrete work shall be coordinated with paving operations on said roads to ensure no damage to either the new concrete or new asphalt. The curb and gutter and swales shall be installed such that positive drainage is achieved. The curb and gutter shall be constructed using GDOT standards and to match existing. The swales shall conform to the details included in this proposal as well as to best match existing. Survey work will be required to ensure positive drainage.

21. **DRIVEWAYS:** Pave the existing asphalt and concrete driveways up to five feet back as needed for a smooth and well drained transition, match the existing width. Grade gravel and dirt drives, add graded aggregate base course as needed to bring to grade and pave with three inches of asphalt, in one lift, five feet back at a minimum width of 14 feet and a maximum width of 20 feet.

22. **NOTIFICATION OF WORK:** The Contractor will be responsible for providing written notice to property owners along roads with on street parking a minimum of 48 hours in advance of the work.

23. **PERMIT:** Contractor shall obtain an Encroachment Permit through the Public Works Department prior to any work within County right of way.

24. **SAMPLING AND TESTING OF MATERIALS:** All sampling and testing services with the exception of concrete shall be performed by an independent testing agency accepted by the County Engineer, at the Contractor's expense. All sampling and testing required for the project will be in accordance with the GDOT Sampling, Testing and Inspection Guidelines except as revised in the attached Special Provision – Sampling and Testing of Materials. It is understood that these are the minimum testing requirements and that additional testing may be requested by the Engineer, as needed. A copy of all test reports shall be sent to the Project Manager and must be received prior to placement of the next lift if applicable and prior to any payment for the work. Written field reports are acceptable for compaction testing to expedite construction. Verbal approval will not be acceptable. The cost associated with testing shall be included in the bid price for that item. Cores may be required for verification if compaction results from gauge readings fail to meet contract requirements or at the discretion of the Engineer to verify results.

25. **FIELD CONDITION ALLOWANCE:** The field condition allowance shown on the bid sheet shall belong to Chatham County. The purpose of this Allowance is to allow the County to designate actions associated with completion of the project which are not indicated on the plans, but which are dictated by field conditions. Bidders shall not use this Allowance to assume any

Contractor costs known or unknown at the bidding. Chatham County must approve use of the Allowance. All bidders shall include this Field Condition Allowance within their base bid. Any unused allowance shall revert to Chatham County.

PROPOSAL INDEX: This proposal includes the following attachments for your information:

- Location Maps
- Typical Sections
- Road Listing
- Turn Out Listing
- Concrete Replacement List
- A Summary of Quantities
- Special Provision for Sampling and Testing
- Special Provision Section 415 Asphaltic Concrete Open Graded Interlayer
- Swale and Fillet Detail
- Driveway Detail
- Chrisfany Hammerhead Detail
- Plans for Berwick Roundabout
- Pavement Core Report

Pavement Rehabilitation 2020 1st Let
Road Listing (revised 2/11/20)

Road Name: **Queens Aire Drive**

Begin At: Cartwright St Length (mi): 0.10
End At: End Width (ft): 20.00

Proposed Construction

Grade dirt and gravel driveways and add graded aggregate base as needed as per Special Provision and Driveway Detail. Mill 6' along curb and gutter and private concrete driveway. Overlay road with 137 lb/sy 9.5 mm TP 1, pave driveways as per Driveway Detail, grade shoulders and grass throughout. Place 1 stopbar.

Road Name: **Sandy Pond Ct**

Begin At: Heritage Way Length (mi): 0.14
End At: End Width (ft): 24.0

Proposed Construction

Mill full width 2" depth, inlay with 96 lb/sy OGI and 137 lb/sy 9.5 mm TP 1. Place 1 stopbar.

Road Name: **Tara Manor**

Begin At: Ferguson Ave Length (mi): 0.19
End At: End Width (ft): 24.0

Proposed Construction

Mill full width 2" depth removing all asphalt. Inlay with 96 lb/sy OGI and 137 lb/sy 9.5 mm TP 1. Adjust manhole to grade. Place 2 blue RPM and 1 stopbar.

Road Name: **Chrisfany Pl**

Begin At: Penrose Dr Length (mi): 0.10
End At: End Width (ft): 10

Proposed Construction

Proposed Construction

Replace concrete swales and fillets on Kings Way Court. Replace 11' of curb & gutter between 1751 - 1749 Kings Way, 14' of curb & gutter at 1731 Kings Ways, 10' of curb & gutter at 1622 Kings way, and 20' of curb & gutter at 1605 Kings Way. Mill full width 2" depth removing all asphalt. Inlay with 96 lb/sy OGI, overlay with 137 lb/sy 9.5 mm TP 1. Mill Kings Way Court full width 2" depth removing all asphalt, inlay with 96 lb/sy OGI, and overlay with 137 lb/sy 9.5 mm TP 1. Place 4 blue RPM and place 2 stopbars.

Road Name: **Diamon Causeway At McWhorter Drive/Green Island Road**

Begin At: Diamond Cuaseway Length (mi): 0.01
End At: McWhorter Drive/Island Road Width (ft): 24-Dec

Proposed Construction

1/2" depth and repave with 165 lb/sy 9.5 mm TP 2.