



PURCHASING AND
MATERIALS MANAGEMENT

City of Myrtle Beach
SOUTH CAROLINA

(843) 918-2170
FAX: (843) 918-2182

ADDENDUM 001

19-B0039

5th Avenue Drainage

October 9, 2018

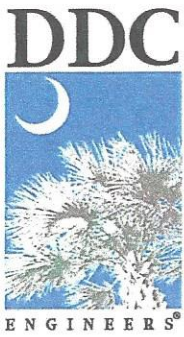
A pre-bid was held for this project. The following were in attendance.

David Zabec	M. B. Kahn
Joey Stinnett	Greenwall Construction
James Cannon	Graham County Land Company
Kent Skipper	R. H. Moore
Green	R. Roese Contracting

The following are questions that have been asked and a response from the engineer.

Thank you for your interest in this project,

Ruth Burleson/Buyer
City of Myrtle Beach



Consulting Engineers
Surveyors
Land Planners
Landscape Architects
Environmentalists

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South Carolina 29577

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October 8, 2018

Transmitted via Email
rburleson@cityofmyrtlebeach.com

Ms. Ruth Burleson
City of Myrtle Beach
Office of Procurement
3231 Mr. Joe White Avenue
Myrtle Beach, South Carolina 29577

Re: 5th Avenue North Drainage Project
Myrtle Beach, South Carolina
Bid # 19-80039
DDC P/N 16067E

Dear Ms. Burleson:

DDC Engineers, Inc. offers the following responses to the questions from bidders dated October 4th and 5th, 2018 for the above referenced project.

1. **Comment** - No current Bid Item for Mobilization.
a. Will one be added?

Response - No, mobilization costs should be included in the Unit Price amounts listed.

2. **Comment** - Item #9 for Drainage Improvements states "Remove & Repair Asphalt Pavement".
a. Item #16 for Water & Sewer Relocations should state same.

Response - This item has been revised.

3. **Comment** - Drawings state SDR13.5 / Bid Form states SDR-17.
a. Please confirm schedule of piping to be used.

Response - SDR 13.5 is correct. Bid form has been revised.

4. **Comment** - DIPS will not provide true 30" inside diameter.
a. Please confirm that IPS is intended for this application.

Response - IPS HDPE is intended for this project.

5. **Comment** - At the intersection of Kings Highway & 5th Avenue North, ground elevation is 21.40, top of ECT duct bank (duct bank approximately 2' thick) is 17.40±. Invert of new 30" RCP is 14.50.
a. Are any utility relocations required at this location?

Response - No utility relocations are proposed for this crossing. The existing utility lines shall be pot holed by the contractor prior to crossing Kings Highway and reviewed with the Owner and Engineer.

6. **Comment** - Specification Section 0200-4; paragraph 5.01C indicates "... must complete a minimum of 60% of the work with their own forces". As discussed during mandatory Pre-Bid Conference, given the anticipated amount of work to be performed by a Directional Drill Subcontractor, as well as attempting to meet DBE goals, we do not feel that it will be possible for the General Contractor to perform 60% of the work with their own forces. We would suggest something in the neighborhood of 25%-30% and/or add a clause "unless approved by the Owner/Engineer" at the end of aforementioned statement.

Response - Due to the significant portion of this project that may have to be completed by subcontractors, the Owner will reduce the self-perform percentage requirement. The actual amount to be completed by the GC shall be stated to the Owner as part of the Contractor's bid, if they will not be able to meet the 60% requirement stated in the Contract. The Owner will consider the amount of the contract to be completed by the GC as part of the bid review and will decide if that amount is acceptable and in the best interest of the Owner.

7. **Comment** - Since we have no Geo-Technical Data, please confirm that there will not be any "hard pans"/hard layers that would affect the directional drill.

Response - Based on previous experience on excavations and bores in and around the 5th Avenue/Chester Street area, we do not think that there will be any "hard pans/hard layers" along this bore that would pose a problem for the directional drill operation.

8. **Comment** - Specification Section 01300; paragraph 3.03 call for Hydrostatic Testing of the entire 600' section of HDPE. Since this is not a "pressure" line, is this Hydrostatic Testing necessary? If the Hydrostatic Testing is necessary, please state PSI, time, etc. that is required for this test.
Will a 5 lb. psi Air Pressure Test for one hour suffice?

Response - An air test will be sufficient for the HDPE line. Must hold 5 psi for 1hr.

9. **Comment** - Specifications call for .8% slope on the directional drill portion of the storm drain. Drawings indicate .5% at same. Please clarify.

Response - The storm drain line shall be installed at minimum 0.5% slope as shown on the plans.

10. **Comment** - Based on our experience, we would expect asphalt thickness on Kings Highway to be approximately 18" thick. Also, we would expect 5th Avenue to be 8" to 12" thick. Based on the Owner/Engineer experience, please give us your comments concerning your expected thicknesses.

Response - Kings Highway total asphalt thickness will be approximately 18" thick in this area, all the way across the Highway. We don't think that the asphalt will be

this thick on 5th Avenue, and expect the total asphalt thickness to be 4" to 6" thick on the sections of 5th Avenue that will have to be removed and replaced.

11. Comment - MILLING AND OVERLAY PAY ITEM: Please provide a separate Pay Item for the Milling & Overlay at Kings Highway, or please identify that you suggest the milling and overlay costs be placed with the 30' RCP at Kings Highway, etc.

Response - This line item has been added. Please see the revised Bid Proposal attached to this Addendum.

12. Comment - Contract drawings is calling for HDPE SDR 13.5 pipe, while the bid form identifies it as being SDR 17. Please clarify which is the correct pipe class required.

Response - SDR 13.5 is the correct pipe class.

13. Comment - Drawing PP-1 is calling for 195 LF of 30" RCP, bid form item 2 indicated 120 LF. Please confirm the correct bid quantity bid shall be based on.

Response - 195 LF of 30" RCP is the correct bid quantity for this project.

14. Comment - Please confirm the drainage crossing at Kings Highway does not have to be done at night time.


Response - We permitted the project with the crossing at Kings Highway to be completed during the overnight hours, by closing the intersection to through traffic during those hours. It may be possible to complete the crossing work during the daytime hours by installing the pipe across a lane or two at a time, and shifting the traffic around the work zone prior to construction across the lane(s). However, the traffic control setup for this option would have to be submitted and approved by the City of Myrtle Beach and the SCDOT prior to setting up and installing the pipe.

15. Comment - Please confirm that 5th Avenue can be closed except for local traffic throughout the construction period.

Response - 5th Avenue can be closed to all through traffic during the construction period. A traffic control plan will have to be prepared by the contractor and approved by the Owner prior to construction.

We trust the above responses adequately address the comments you provided. If you have any questions or require any additional information, please do not hesitate to contact me.

Sincerely,
DDC ENGINEERS, INC.


E. M. Jones, PE
Senior Project Manager

Ms. Ruth Burleson
October 8, 2018

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cc: E. Ronald Andrews, PE - City of Myrtle Beach
Chris Miller - City of Myrtle Beach
Project Permit File

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Burleson 10.8.18.docx

SECTION 0300

BID PROPOSAL

Proposal of _____ (hereinafter called "BIDDER"),
organized and existing under the laws of the State of _____
doing business as _____*.

To the City of Myrtle Beach, South Carolina, (hereinafter called "OWNER").

In compliance with your Advertisement for Bids, BIDDER hereby proposes to perform all WORK for the construction of the 5th Avenue North Drainage Improvements Project, in strict accordance with the CONTRACT DOCUMENTS as outlined in this proposal, within the time set forth therein, and at the prices stated below.

By submission of this BID, each BIDDER certifies, and in the case of a joint BID each party thereto certifies as to his own organization, that this BID has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this BID with any other BIDDER or with any competitor.

BIDDER hereby agrees to commence WORK under this contract on or before a date to be specified in the NOTICE TO PROCEED and to fully complete the PROJECT within the time constraints as set forth in Section 0200, Paragraph 2.03 - Contract Time and Liquidated Damages; Section 0650, Paragraph 1.12 - Project Schedule, and; as further stated herein. BIDDER further agrees to pay as liquidated damages, the sum of \$500.00 for each consecutive calendar day thereafter as provided in Section 0200, Paragraph 2.03 and Section 0650, Paragraph 1.12.

BIDDER acknowledges receipt of the following ADDENDUM:

Addendum No. _____	Dated: _____
Addendum No. _____	Dated: _____
Addendum No. _____	Dated: _____

*Insert "a corporation", "a partnership", or "an individual" as applicable.

BIDDER agrees to perform all the work described in the CONTRACT DOCUMENTS for the following total lump sum base bid amount of: \$_____.

Total Lump Sum Base Bid (in words): _____.

SCHEDULE

Bidder agrees to perform all work described in the Contract Documents in keeping with the attached preliminary Project Schedule, including each phase of construction, as prepared by the bidder in keeping with Section 1310, Construction Schedules.

UNIT PRICES

Bidder shall provide Unit Prices, as outlined below with their bid.

PRICE SCHEDULE

5th Avenue North Drainage Improvements Project

The unit quantities indicated in the construction documents are design estimates, and are not warranted to be accurate. It is the responsibility of the Contractor to verify all quantity take-offs, and to bid the work appropriately. Any discrepancy and resulting cost adjustments should be noted on the Bid Schedule.

NOTE: The undersigned hereby proposes to furnish all labor, equipment and materials. Bids shall include sales tax and all other applicable taxes and fees. Bid prices shall also include all utility work proposed, demolition, bypass pumping, dewatering operations, sheeting, well pointing, pedestrian control, signage, barricades, traffic control, silt fencing, and erosion control for the following proposal. All materials that are removed during the construction of the project must be disposed of appropriately by the contractor at the contractor's expense, or unless listed as a salvaged by The City of Myrtle Beach and must be included in the prices below. All flanged bolts and nuts to be stainless steel. Bids shall include sales tax and other applicable taxes and fees. Any work required as shown on the plans or called for in the specifications not specifically listed in the price schedules, should be included in the most closely relates work item listed.

Item	Description	Engr's Est.	Bid Qty	Unit	Unit Price	Amount
5th Avenue North Drainage Improvements Project						
1.	30" RCP Concrete Drainage Pipe	195		LF	\$	\$
2.	36" RCP Concrete Drainage Pipe	340		LF	\$	\$
3.	30" SDR-13.5 HDPE Drainage Pipe by Directional Drill	600		LF	\$	\$
4.	5' x 4' Concrete Drainage Box (6'-8' deep)	1		EA	\$	\$
5.	5' x 4' Concrete Drainage Box (8'-10' deep)	1		EA	\$	\$
6.	5' x 4' Concrete Drainage Box (10'-12' deep)	2		EA	\$	\$
7.	Connect to existing 18" RCP	1		EA	\$	\$
8.	Connect to existing drainage structure	1		EA	\$	\$
9.	Asphalt Pavement Removal and Repair	910		SY	\$	\$
10.	Traffic Control	1		LS	\$	\$
11.	Milling and Asphalt Overlay (Kings Highway)	840		SY	\$	\$
5TH AVENUE NORTH DRAINAGE IMPROVEMENTS PROJECT SUBTOTAL:						\$
Item	Description	Engr's Est.	Bid Qty	Unit	Unit Price	Amount
5th Avenue North Drainage Project - Water and Sewer Relocations						
1.	8" SDR35 PVC Gravity Sewer (6'-8' deep)	65		LF	\$	\$

Item	Description	Engr's Est.	Bid Qty	Unit	Unit Price	Amount
2.	8" SDR35 PVC Gravity Sewer (8'-10' deep)	50		LF	\$	\$
3.	4' dia. Concrete Manhole (6'-8' deep)	1		EA	\$	\$
4.	4' dia. Concrete Manhole (8'-10' deep) on end of line	1		EA	\$	\$
5.	6" Sewer Service complete	1		EA	\$	\$
6.	Tie-in to existing 8" PVC gravity sewer stub-out	1		EA	\$	\$
7.	Cut & Cap existing 8" PVC gravity sewer line	1		EA	\$	\$
8.	Demo existing gravity sewer manhole	1		EA	\$	\$
9.	Connect to existing 8" gravity sewer lines	3		EA	\$	\$
10.	6" C900 DR18 PVC Waterline	475		LF	\$	\$
11.	6"x6" Tapping Sleeve & Valve	2		EA	\$	\$
12.	Fire Hydrant Assembly Complete	1		EA	\$	\$
13.	2" PVC Water Service and Reconnection	1		EA	\$	\$
14.	1" PVC Water Service and Reconnection	2		EA	\$	\$
15.	6" Waterline abandonment in place	1		LS	\$	\$
16.	Asphalt Pavement Removal and Repair	660		SY	\$	\$
5TH AVENUE NORTH WATER AND SEWER RELOCATIONS SUBTOTAL:						\$
TOTAL BID PRICE FOR THE 5TH AVENUE NORTH DRAINAGE IMP. PROJECT:						\$

Total Amount: _____ 00/100 Dollars

Respectfully submitted: (In words)

Signature _____

Address _____

Title _____

Date _____

License Number (if applicable) _____

SEAL (if BID is by a corporation)

Attest: _____

END OF SECTION