



ADDENDUM # 1
IFB #02-16 – NORTH AVENUE STREET
IMPROVEMENTS PROJECT

AUGUST 31, 2015

The City of Hopewell has received and reviewed the below questions/requests related to IFB #02-16 – North Avenue Street Improvements Project and offers the following responses as Addendum #1. Please acknowledge receipt of this addendum by signing and including the last page as part of your bid response.

1. Is the City Dump available?

Answer: No. Disposal of spoil/demo material is the Contractor's responsibility.

2. Are there a full set of geotechnical plans available?

Answer: No. These plans are not needed. Further concern was raised that the chosen detention system (StormTech MC-3500) may not dewater properly if existing soils below the bottom of stone elevation do not allow for adequate drainage. The City informed bidders that the detention system will drain on its own once certain water surface elevations (W.S.E.) are met at the outfall structure (Structure No. 27). See Sheet No. C6 for details.

3. How much space are to be between the chambers runs?

Answer: A minimum of 9" spacing is required between StormTech rows (StormTech Construction Guide, Page 2). Due to limited drainage easement, please assume exactly 9" spacing between StormTech rows for this project.

4. What is the size of the header pipe?

Answer: The manifold and inlet pipe sizes are to be determined by the StormTech (or approved equal) manufacturer. These sizes and inlet/outlet elevations will be included in the construction/working drawings that will be submitted to the City for approval by the successful bidder. For bidding purposes, you may assume that the manifold and inlet pipes will be no greater than 24" H.D.P.E. pipe or similar.

5. Some grades are missing related to the Storm Tech system.

Answer: The City's design consultant has provided a schematic with the size (MC-3500), number of chambers (100), and number of rows (5). In addition to this plan view, the bottom and top of stone elevation as well as the bottom and top of chamber elevation is provided in the storm sewer profile on Sheet C6 of the drawings. This information should be sufficient for bidding purposes. Any additional grades required by the StormTech (or approved equal) manufacturer will be included on the construction/working drawings that will be submitted to the City for approval by the successful bidder. Bidders are encouraged to visit www.stormtech.com or call StormTech at 888.892.2694 for any additional technical or product information.

6. How does the contractor connect the drain pipe from the Storm Tech system to the existing 48" RCP?

Answer: The new 48" RCP (drain pipe) will be connected to the existing 48" RCP by creating an opening in the existing pipe, connecting and grouting the annular space. This modification is similar to a modification of existing structure per VDOT Road and Bridge Specifications. The cost of the 48" RCP and connection shall be incidental to Item 37.

7. The 21" RCP pipe has no pay item listed on the bid sheet.

Answer: A revised Bid Sheet is included with this Addendum. Please replace the Bid Sheet included in the Invitation for Bid with this revised Bid Sheet. The bid items have been revised to include the previously omitted 21" RCP and 24" RCP bid item. Please note the revised quantities for 15" RCP, 18" RCP (eliminated), and 30" RCP.

8. Construction stakeout has been performed for Item 4 and the clearing/grubbing stakeout has been performed for Item 35.

9. Mandatory Pre-Bid Conference Sign-In Sheets attached to this Addendum.

Item No.	Estimated Quantities	Unit / Measure	Item Description	Unit Price	Total Cost
1	1.00	LS	Mobilization (See Note No. 1 on Contract Administration Notes)	\$ -	\$ -
2	1.00	LS	Project Management (See Note No. 4 on Contract Administration Notes)	\$ -	\$ -
3	1.00	LS	Utility Relocations / Adjustments (See Note No. 2 on Contract Administration Notes) NOT IN CONTRACT	\$ -	\$ -
4	1.00	LS	Construction Stakeout / Site Engineering (See Note No. 3 on Contract Administration Notes) NOT IN CONTRACT	\$ -	\$ -
5	3195.00	LF	Saw Cutting Pavement - Up to 6" Deep	\$ -	\$ -
6	560.00	CY	Regular Excavation	\$ -	\$ -
7	1.00	LS	Erosion & Sediment Controls - Comply with VA DEQ and SWPPP as applicable City obtains and uses a typical project SWPPP	\$ -	\$ -
8	100.00	LF	Concrete Curb & Gutter - VDOT Std. CG-6 Complete-In-Place (CIP) per plan detail on sheet No. C1 including backfill. Excavation paid per Item No. 6 and Stone Preparation paid per Item No. 12	\$ -	\$ -
9	20.00	CY	Concrete Class A3 Miscellaneous - Cast-In-Place per plan details or as directed including subgrade preparation/earth form preparation and backfill	\$ -	\$ -
10	1.00	EA	18 Ft. Apron to Alley - CIP includes: Excavation / subgrade preparation / compaction / stone base installation (4" avg.) / backfill See Rolfe Lane, Sta. 1+30 LT for details	\$ -	\$ -
11A	7.00	EA	VDOT CG-9B 12' Residential Entrance Aprons [Radius Wing] - CIP includes: Excavation / subgrade preparation / compaction / mstone base installation (4" avg) / backfill per plan detail sheet No. C1 / see 6' typical extension to right-of-way line for all locations	\$ -	\$ -
11B	8.00	EA	VDOT CG-9B 16' Residential Entrance Aprons [Radius Wing] - CIP includes: Excavation / subgrade preparation / compaction / mstone base installation (4" avg) / backfill per plan detail sheet No. C1 / see 6' typical extension to right-of-way line for all locations	\$ -	\$ -
12	700.00	TON	Dense Graded Aggregate Type-1 VDOT 21A (3800#/CY) - CIP Payment by calculated tonnage and verified by tickets and TL-102A forms	\$ -	\$ -
13	45.00	TON	Gravel Driveway Transition Stone Dense Graded Aggregate Type-1 VDOT 21A (3800#/CY) - CIP Payment by calculated tonnage and verified by tickets and TL-102A forms	\$ -	\$ -
14	230.00	TON	Roadway Section Tie-In Asphalt w VDOT SM-9.5A as a base course (see hatch legend sheet No. C3)	\$ -	\$ -
15	2025.00	LF	Standard Concrete Valley Gutter 7" thickness x 4 ft. width CIP includes: excavation / compaction / bae stone installation (4" avg.) and backfilling (see plan detail sheet No. C1)	\$ -	\$ -
16	30.00	TON	Asphalt Driveway Tie-In - VDOT SM-9.5A asphalt mix of surface course where not a gravel treatment	\$ -	\$ -
17	1.00	LS	Traffic Management - Includes all Labor, Equipment, Signs, Devices as applied to 2011 Virginia Work Area Protection Manual (See Note. 4 on Contract Administration Notes)	\$ -	\$ -

18	1000.00	SY	Final Stabilization Treatment - Grass seed / fertilizer and applied straw blanket (See mix to be K31 fescue with no greater than 20% nurse crop blend or as approved by City Engineer)	\$ -	\$ -
19	30.00	CY	Borrow Material - CIP classified as clean compactable soil as needed for transition grading at back of curb and driveway and/or road section Paymen by calculated volume in place	\$ -	\$ -
20	55.00	CY	Topsoil (screened) - CIP Placed at a typical depth of 2"	\$ -	\$ -
21	1100.00	LF	Demolition - Remove Existing Driveway Pipes & Road Cross Section storm pipes as identified on sheet No. C2. Restore trench to grade with VDOT 21A aggregate at 95% min. compaction	\$ -	\$ -
22	150.00	CY	Pavement Demolition - Remove existing pavement to the limits shown on sheet No. C2. Prepare new subgrade and install base stone to new profile grade. VDOT 21A aggregate at 95% min. compaction. Stone paid per line item No. 6 above.	\$ -	\$ -
23	150.00	LF	Grass Ditch or Grass Swale - Grass Ditch (D = 1', Slope 1.0%) and Grass Swale (D = 6", Slope = 1.0%) per details and adjoining contours sheet No. C3. Apply seed treatment (K-31) and excelsior soil protection mat of curlex Type II or approved equal, CIP.	\$ -	\$ -
24	165.00	LF	Paved Ditch - (D = 6", Slope 0.5%) shaped at 2H : 1V and per details and adjoining contours sheet No. C3. Class A3 Conctete per detail sheet No. C1	\$ -	\$ -
25	40.00	LF	12" Class III Reinforced Concrete Pipe - CIP includes: trench excvation / backfilling and trench restoration to road section requirements and specifications per pavement plan details	\$ -	\$ -
26	776.00	LF	15" Class III Reinforced Concrete Pipe - CIP includes: trench excvation / backfilling and trench restoration to road section requirements and specifications per pavement plan details	\$ -	\$ -
27	0.00	LF	18" Class III Reinforced Concrete Pipe - CIP includes: trench excvation / backfilling and trench restoration to road section requirements and specifications per pavement plan details	\$ -	\$ -
27.1	160.00	LF	21" Class III Reinforced Concrete Pipe - CIP includes: trench excvation / backfilling and trench restoration to road section requirements and specifications per pavement plan details	\$ -	\$ -
27.2	136.00	LF	24" Class III Reinforced Concrete Pipe - CIP includes: trench excvation / backfilling and trench restoration to road section requirements and specifications per pavement plan details	\$ -	\$ -
28	60.00	LF	30" Class III Reinforced Concrete Pipe - CIP includes: trench excvation / backfilling and trench restoration to road section requirements and specifications per pavement plan details	\$ -	\$ -
29	20.00	LF	12" HDPE ADS N-12 Series Storm Pipe or equivalent - CIP includes" trench excavation / backfilling and trench restoration to road section requirements and specifications per pavement plan details	\$ -	\$ -
30	1.00	EA	RCP End Section VDOT ES-1, Type I for 12" HDPE Pipe at Str. No. 22 per sheet No. C3	\$ -	\$ -

31A	4.00	EA	Storm Inlet Basin - VDOT DI-1 Modified with Valley Gutter Inlet per detail sheet No. C1 (Structures No. 6, 8, 10, 18) See plan sheet No. C3 for top elevations CIP	\$ -	\$ -
31B	1.00	EA	Storm Inlet Basin - VDOT DI-1 Modified with Weirs per detail sheet No. C1 (Structure No. 12) See plan sheet No. C3 for top elevations CIP	\$ -	\$ -
31C	1.00	EA	Storm Inlet Basin - VDOT DI-1 Modified with Valley Gutter Inlet and Weirs per detail sheet No. C1 (Structure No. 16) See plan sheet No. C3 for top elevation CIP	\$ -	\$ -
32A	3.00	EA	Storm Inlet Basin - VDOT DI-2A Modified with Weir (Structures No. 2, 4, 20) See plan sheet No. C3 for top elevations CIP	\$ -	\$ -
32B	1.00	EA	Storm Inlet Basin - VDOT DI-2A Modified (Structure No. 24) See plan sheet No. C3 for top elevation CIP	\$ -	\$ -
33	20.00	VF	MH-1 Modified Storm Drainage Manhole (Structures No. 10B, 14, 26, 27) See plan sheet No. C3 for top elevations CIP Per VDOT Specification 302 (Concrete)	\$ -	\$ -
34	40.00	TON	Open Graded Aggregate VDOT #57 - CIP Payment by calculated tonnage and verified by tickets and TL-102A forms	\$ -	\$ -
35	0.125	ACRE	Clearing & Grubbing (Includes Removal and Disposal) - The City of Hopewell Right-of-Way and Drainage Easement - Project Clearing Limits are staked in the field and/or flagged for clearing. Site is described as less than 6" caliper, light limb-up and/or cut-back clearing CIP	\$ -	\$ -
36	33.00	SY	Remove and Replace Concrete Sidewalk - Various widths per plan sheet No. C3 to match existing. Also includes leadwalk/sidewalk adjustment at private residences to adjust existing grade to new slope contours as required. CIP includes base stone (4" avg).	\$ -	\$ -
37	1.00	LS	Stormtech MC-3500 Detention System, 100 Chambers (or approved equal) - CIP includes: excavation / backfilling / compaction of subgrade / AASHTO M43 #3/#4 stone placement encapsulation / non-woven geotextile around annular stone, inlet/outlet manifolds, inlet/outlet pipes, metal orifice plate and all other incidentals required per details sheet No. C6	\$ -	\$ -
38	120.00	LF	12" Class III Reinforced Concrete Pipe - CIP includes: trench excavation / backfilling and trench restoration to road section requirements and specifications per Ditch Note No. 1, Sheet No. C3	\$ -	\$ -
39	250.00	LF	Paved Ditch - Install paved ditch in existing ditchline; final shaping to be coordinated with City Engineer per Ditch Note No. 2, Sheet No. C3 Class A3 Concrete per detail sheet No. C1	\$ -	\$ -
TOTAL BID				\$	-

IFB # 02-16 NORTH AVE STREET IMPROV PROJECT

3:00 PM

MANDATORY PRE-BID CONFERENCE

SIGN IN SHEET

Please Print
Business Name and EMAIL

Representative Name and Title
Mailing Address

Time

GEORGE'S EXCAVATING

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*IFB #02-16 – North Avenue Street Improvements Project – Addendum #1
City of Hopewell, Virginia
August 31, 2015*

Please sign and include this form as part of your bid response to verify receipt of Addendum # 1.



April L. Cone, Purchasing Officer

Signature of Receipt of Addendum # 1

Date

Company Name