



June 4, 2020

ADDENDUM NO. 1

To: Prospective Bidders

Reference: Dry River Road Corridor Improvements
VDOT Project No. U000-176-R28
UPC 87071

Agency: Town of Bridgewater

Solicitation: IFB #03-2020-01

Bids Due: **JUNE 18, 2020 / 2:00 PM**

Addendum #1 is a total of nineteen (19) pages.

The following clarifications, additions, deletions, revisions, or modifications are made to the original referenced solicitation. All other plans, specifications, terms, and conditions remain unchanged. Bid Due date and time remain unchanged. Bidders shall acknowledge receipt of this Addendum on the Bid Form where indicated.

SUBMITTED QUESTIONS

The following questions were submitted to the Town:

Questions

- A1.1 Question: Will a Geo-technical report be provided to the Bidding General Contractors?
- Answer: Yes, the Town has posted a report on their website. In addition, the report has been provided to the two plan rooms listed in the project manual.
- A1.2 Question: Is there a Plan Holders list available for distribution to the General Contractor?
- Answer: No.
- A1.3 Question: Referring to the Bid Form, Bid Item No. 120 includes Bid Item No. 118. Shouldn't the quantities for Bid Item No. 120 exclude the quantities of Bid Item No. 118?
- Answer: The quantity has been adjusted for Item No. 120. The item name and number for Item No. 118 have been changed. See the attached revised Bid Schedule.
- A1.4 Question: Referring to Sheet No. 2A, the Stations given for Undercut Excavation does not match the bid quantities. Please advise.

- Answer: Please use the locations for Undercut Excavation indicated on the Cross Sections. Quantities were derived from the Cross Sections. Undercut Excavation does not apply to entire station ranges covered by inset A or B on Sheet 2A. Please refer to the note on the Typical Sections for the 24" Undercut indicating "**See Cross Sections for Specific Locations".
- A1.5 Question: Referring to Sheet No. 2C, coupled with Sheets No. 3B, 4B, 5B and 6B please provide lines of demarcation for demolition of flexible pavement. Also, what is the depth of the existing pavement?
- Answer: Pattern for Demolition of Pavement has been added to Sheets 3, 4, 5, and 6. Existing pavement depths vary throughout the project's length. See the geotechnical report provided on Town's website for more information.
- A1.6 Question: Referring to plan Cross Sections sheets 1 through 19, the starting station and end station for undercut excavation differ from the information given on sheet number 2A as well as the bid quantity. Please clarify.
- Answer: See response to item A1.4.
- A1.7 Question: Plan Sheet 1K, Sequence of Construction Phase 1, note # 3: The baseline Sta. given in this note for the North end of the detour/work zone (14+25) is at Sandston Circle. The North end of the detour/work zone on the Ph. 1 Detour Plan, sheet 1K(2) is at N. Sandstone Lane approx. baseline sta. 18+00. Which location is correct?
- Answer: The approximate ending station for Phase 1 should be 18+25 (N. Sandstone Lane).
- A1.8 Question: Plan Sheets 3 and 4, Contractor Note # 3 on sheet 3: What size and type of pipe exists between structure EX-1 and EX-2?
- Answer: 36 inch RCP.
- A1.9 Question: Plan Sheet 4, in close proximity of proposed Storm Drain and existing Sanitary Sewer: The proposed 42" RCP Storm Pipe at BL (baseline) Sta. 16+32.60 between Prop. drainage structures 4-1 & 4-8 crosses under the exist. 8" San. Sewer with approx. 0.75' of clearance. The Prop. 12"x18" CMP (actually 13"x17" per VDOT PC-1) at BL Sta. 22+66.45, 13.16' LT between Prop. drainage structures 4-7 & 4-6 crosses under the exist. 10" San. Sewer with approx. 0.68' of clearance. What is the required clearance between storm drainage pipe and a sanitary sewer pipe? Please clarify if any remedial measures are required?
- Answer: Class A3 concrete shall be placed between the pipes and for a distance of at least 2 feet along each pipe from the center of the pipe crossing. The quantity for Class A3 has been revised on the attached Bid Schedule.

A1.10 Question: Plan Sheet 5, in close proximity of Prop. Storm Drain Structures and existing Sanitary Sewer Line: There is about 0.95' to 0.45' of clearance between the bottom of Prop. Drainage structures 5-1, 5-4 & 5-9 and the top of the exist. 10" San. Sewer. The same questions and concerns raised in No. 3 above are asked here as well?

Answer: A response will be provided in a future addendum.

A1.11 Question: Referring to Sheet 1K, Sequence of Construction, please explain Item No. 4.

Answer: Note has been revised to provide further clarification. See attached revised Sheet 1K.

A1.12 Question: On Sheet 3, what size and type of material is the existing storm pipe?

Answer: See response to item A1.8.

A1.13 Question: It is assumed that this existing storm pipe is to be removed. Please clarify.

Answer: Yes.

A1.14 Question: Phase 1 starts at Sta. 14.00 and ends at Sta. 10.75, where are the lines of demarcation for the proposed 42" RCP as it related to this phase?

Answer: The Phase 1 detour goes to approximate STA 18+00 at North Sandstone Lane and encompasses the entirety of the new 42" RCP.

A1.15 Question: Sheet 3, please provide information for the Storm tie-in to Ex-1.

Answer: Existing top and invert information can be found under the listing for structure 5 on Sheet 2G while proposed information is on Sheet 2H. Storm sewer profile can be found on Sheet 2F(2).

A1.16 Question: On Sheet 3, will there be removal of existing trees?

Answer: Yes, but only as needed and in accordance with notes included on the plans, particularly Sheets 2 and 3. Also, please note there are some vegetation to be preserved that are identified as Do Not Disturb (DND) and some that are to be removed by others (i.e. Town).

A1.17 Question: On Sheet 4, what size is the existing pipe from Ex-2 to the proposed 4-1?

Answer: 36 inch.

A1.18 Question: On sheet 3, please provide location and or areas of Rigid pavement removal.

Answer: See response to Item A1.5.

- A1.19 Question: Are existing overhead power lines being removed?
Answer: No. Poles and overhead lines have already been relocated.
- A1.20 Question: Will all existing mailboxes have to be replaced?
Answer: No. Follow VDOT Spec 105.15 regarding mailboxes. Final location shall be coordinated with the property owner and Town and installed in accordance with U.S. Post Office regulations. Item 13215 has been removed from the Bid Schedule.
- A1.21 Question: On sheet 6, which bid item do we include removal of driveway pipes?
Answer: Removal of driveway pipes shall be incidental to the new storm sewer pipe.
- A1.22 Question: Will temporary driveway pipe be required?
Answer: Temporary drainage pipe may be necessary as part of the contractor's means and methods for constructing the project, and if so, it shall be incidental to the new storm sewer pipe.
- A1.23 Question: Where is the Field Office to be located?
Answer: Location shall be selected by the contractor and approved by the Town.
- A1.24 Question: On sheet 6, please identify areas of proposed flexible pavement.
Answer: These areas are shown on Sheet 6. See Sheet 2A for additional information relative to the milling and overlay work on Cannery Woods Drive.
- A1.25 Question: Plan Sheets 2D & 2H, Drainage Summary & Drainage Descriptions respectively, Str. 6-7: This structure is listed as a DI-3B, L=4 in the Drainage Summary, but is given as a DI-4B, L=4 in the Drainage Descriptions. Which is correct?
Answer: Structure 6-7 has been changed to a DI-4B on the Drainage Summary. See attached revised Sheet 2D.
- A1.26 Question: Plan Sheets 2D, 2H & 6, Drainage Structures 6-8 & 6-9: These 2 structures are listed as DI-4B, L=8. The largest pipe out or in on both structures is 19"x30". Why are these structures listed as DI-4's when 30" pipe is within the criteria for DI-3's?
Answer: DI-4 type was utilized due to the skew of the pipe.
- A1.27 Question: Series 11 Plan Sheets: What type of pipe is the existing 6" and 12" waterlines? What is the installation date for each?

Answer: The existing 6 inch water main is cast iron and the 12 inch is ductile iron. The exact date of installation is being researched by the Town and may be provided in a future addendum.

A1.28 Question: Plan Sheet 11(1), General Note # 18: Please explain what is being tapped and threaded into the pipe?

Answer: This note applies to the use of any service saddle installed for the project.

A1.29 Question: Plan Sheet 11(1B), Material Note # 7, Fire Hydrants: The internal valve opening is given as 4.5". In the Town of Bridgewater Development and Construction Manual, 2020 Edition (TOB Manual) under the heading Fire Hydrants on page 46, paragraph (d) the internal valve opening is given as 5.25". Which is correct?

Answer: The internal valve opening shall be 5.25 inches.

A1.30 Question: Plan Sheet 11(2), Table of "Schedule for Minimum Restrained Length of Pipe", Note # 5: Does this mean the pipe on Branch of the Tee is the "L" length or the Run is the "L" length? Note # 12, Does this refer to Working pressure only or to Test pressure?

Answer: The restrained length applies to the run or branch independently based on the size of the applicable segment. Note 12 refers to working pressure as stated.

A1.31 Question: Plan Sheet 11(2A), Detail WM-1: This detail is somewhat inconsistent with Material Notes # 8 & 9 on sheet 11(1B). Construction Standard CS-9 in Appendix O of the TOB Manual is more in line with the plan sheet 11(1B) Material Notes. Which detail is correct?

Answer: For water meter box size, please adhere to Material Note 9.

A1.32 Question: Would it be possible to get an Excel version of the Bid schedule?

Answer: Excel file has been posted to the Town's project procurement website.

PRE-BID MEETING

An optional Pre-Bid Meeting was held virtually on May 28, 2020 at 2:00 pm. A list of the meeting attendees is as follows:

Sam Styers, McCormick Taylor
William Wentzien, McCormick Taylor
Dave Galeone, McCormick Taylor
Alex Wilmer, Town of Bridgewater
Tony Smith, Branch Civil



Heather Tanza, Branch Civil
Travis Kelley, Partners Excavating
Todd Williams, FC Plecker & Sons
Zethan Wright, A&J Development & Excavation
Danny Raines, A&J Development & Excavation
Chad Carpenter, Plecker Construction
Pat Katz, S&K Excavating
Gregg Shultz, Adams Construction
Frank Saul, B&S Contracting
Cullen Barker, Inland Construction

Pre-Bid Meeting Questions:

The following questions were presented at the Pre-Bid meeting:

Questions

- A1.33 Question: Can no work be done between Thanksgiving and New Year's?
Answer: Work can be done between these dates; however, the Town requires that no detour be in place during this time period.
- A1.34 Question: Will the Town allow nighttime work?
Answer: Extended evening working hours until 7 pm for heavy machinery work and until 8 pm for daily cleanup will be allowed by the Town. Similarly, daily startup work in the morning can begin at 7 am and heavy machinery work can begin after 8 am.
- A1.35 Question: Will the contractor be responsible for any testing?
Answer: No. Town will handle all testing.

BID SCHEDULE

A1.36 **2.4, Bid Schedule:** REPLACE Part 2.4 Bid Schedule in its entirety with the revised 2.4 Bid Schedule attached to this addendum. A Bid not including this revised Bid Schedule will be rejected as non-responsive.

Attachments: Revised Plan Sheets 1D, 1K, 2C, 2D, 3, 4, 5, and 6
Revised Bid Schedule

END ADDENDUM NO. 1

2.4 Bid Schedule

BID SCHEDULE (revised 2020/06/03)						
DRY RIVER ROAD CORRIDOR IMPROVEMENTS					UPC #87071	
ITEM #	SPEC #	DESCRIPTION	UNIT	EST. QUANTITY	UNIT PRICE (\$)	AMOUNT (\$)
100	513	MOBILIZATION	LS	1		
101	517	CONSTRUCTION SURVEYING	LS	1		
110	301	CLEARING AND GRUBBING	LS	1		
120	303	REGULAR EXCAVATION - UNDERCUT	CY	1081		
120	303	REGULAR EXCAVATION	CY	3865		
305	305	NS SELECT MATERIAL - TY. II MIN CBR-12	CY	1081		
525	302	CONCRETE CLASS A3 MISC.	CY	7.2		
588	501	UNDERDRAIN UD-4	LF	3879		
595	501	OUTLET PIPE	LF	120		
1156	302	STORM SEWER PIPE 15"	LF	591		
1306	302	STORM SEWER PIPE 30"	LF	910		
1366	302	STORM SEWER PIPE 36"	LF	24		
1426	302	STORM SEWER PIPE 42"	LF	620		
2090	302	18" X 12" ELLIPTICAL PIPE	LF	201		
2190	302	30" X 19" ELLIPTICAL PIPE	LF	667		
6180	302	18" END SECTION ES-1 OR 2	EA	1		
6817	302	DROP INLET DI-3B,L=4'	EA	4		
6819	302	DROP INLET DI-3B,L=8'	EA	10		

ITEM #	SPEC #	DESCRIPTION	UNIT	EST. QUANTITY	UNIT PRICE (\$)	AMOUNT (\$)
6822	302	DROP INLET DI-3B,L=14'	EA	1		
6828	302	DROP INLET DI-3BB,L=8'	EA	6		
6831	302	DROP INLET DI-3BB,L=14'	EA	1		
6836	302	DROP INLET DI-3C,L=8'	EA	1		
7112	302	DROP INLET DI-4B,L=8'	EA	4		
7128	302	DROP INLET DI-4BB,L=8'	EA	2		
7206	302	DROP INLET DI-4C,L=8'	EA	1		
7508	302	DROP INLET DI-7	EA	3		
9056	302	MANHOLE MH-1 OR 2	LF	9		
9057	302	FRAME & COVER MH-1	EA	1		
9150	414	EROS.CONTR.STONE CL. I, EC-1	TON	66		
10128	308	AGGR. BASE MATL. TY. I NO. 21B	TON	4791		
10635	315	ASPHALT CONCRETE TY. SM-9.5A	TON	877		
10642	315	ASPHALT CONCRETE TY. BM-25.0A	TON	1646		
11040	316	CONCRETE ENTRANCE PAVE. 7"	SY	4		
11070	315	NS SAW-CUT ASPH CONC	LF	788		
11071	316	NS SAW-CUT HYDR.CEM.CONC.PAVE.	LF	14		
12020	502	STD. CURB CG-2	LF	160		
12600	502	STD. COMB. CURB & GUTTER CG-6	LF	3022		
12610	502	RAD. COMB. CURB & GUTTER CG-6	LF	764		
12940	502	ENTRANCE GUTTER CG-9D	SY	738		

ITEM #	SPEC #	DESCRIPTION	UNIT	EST. QUANTITY	UNIT PRICE (\$)	AMOUNT (\$)
13108	504	CG-12 DETECTABLE WARNING SURFACE	SY	19		
13220	504	HYDR. CEMENT CONC. SIDEWALK 4"	SY	1080		
13232	504	GEOTEXTILE DRAINAGE FABRIC	SY	47		
14260	ATTD	CRUSHER RUN AGGR. NO. 25 OR 26	TON	78		
16522	515	FLEXIBLE PAVE.PLANING 0"-2"	SY	150		
22685	ATTD	FENCE WOOD BOARD	LF	169		
24150	512	TYPE III BARRICADE 4'	EA	8		
24160	512	TEMPORARY (CONSTRUCTION) SIGN	SF	582		
24278	512	GROUP 2 CHANNELIZING DEVICES	DAY	52		
24279	512	PORTABLE CHANGEABLE MESSAGE SIGN	HR	1344		
24282	512	FLAGGER SERVICE	HR	420		
24420	508	DEMO. OF PAVEMENT (RIGID)	SY	26		
24430	508	DEMO. OF PAVEMENT (FLEXIBLE)	SY	8382		
24825	510	NS MODIFY EXIST. - STRUCTURE	EA	2		
25507	514	FIELD OFFICE TY.III	MO	9		
27023	602	TOPSOIL CLASS B	CY	545		
27102	603	REGULAR SEED	LB	195		
27103	603	OVERSEEDING	LB	83		
27104	603	LEGUME SEED	LB	36		
27105	603	LEGUME OVERSEEDING	LB	32		
27230	603	FERTILIZER NITROGEN - N	LB	163		

ITEM #	SPEC #	DESCRIPTION	UNIT	EST. QUANTITY	UNIT PRICE (\$)	AMOUNT (\$)
27231	603	FERTILIZER PHOSPHOROUS - P	LB	325		
27232	603	FERTILIZER POTASSIUM - K	LB	163		
27250	603	LIME	TON	0.65		
27284	303	EROSION CONTROL MULCH	SY	3146		
27451	303	INLET PROTECTION , TYPE A	EA	3		
27461	303	INLET PROTECTION , TYPE B	EA	30		
27505	303	TEMP. SILT FENCE	LF	2476		
40002	520	3/4" WATER SERVICE LINE	LF	570		
40061	520	6" DI WATER MAIN	LF	85		
40121	520	12" DI WATER MAIN	LF	1153		
40912	520	12" OFFSET EXIST. PIPE	LF	30		
41006	520	6" GATE VALVE & BOX	EA	4		
41012	520	12" GATE VALVE & BOX	EA	2		
41104	510	ADJUST EXIST. VALVE BOX	EA	7		
41413	520	12"X12" TAPPING SLEEVE VALVE & BOX	EA	3		
41820	520	FIRE HYDRANT	EA	3		
41967	520	5/8" WATER METER BOX & YOKE	EA	22		
41977	510	ADJUST EXIST. WATER METER BOX	EA	3		
42040	520	4" SAN. SEWER PIPE	LF	31		
42060	520	6" SAN. SEWER PIPE	LF	3		

ITEM #	SPEC #	DESCRIPTION	UNIT	EST. QUANTITY	UNIT PRICE (\$)	AMOUNT (\$)
42765	510	ADJUST EXIST FRAME & COVER	EA	8		
42845	520	4" SEWER CLEANOUT	EA	9		
42846	520	6" SEWER CLEANOUT	EA	1		
45640	509	FLOWABLE BACKFILL UTILITY	CY	18		
50300	700	REMOVE EXISTING 1 POST SIGN STRUCTURE	EA	2		
54428	704	TEMP. PVMT MRKG, TY. A, 4"	EA	700		

Base Bid Total: \$ _____

Base Bid Total: In Words: _____