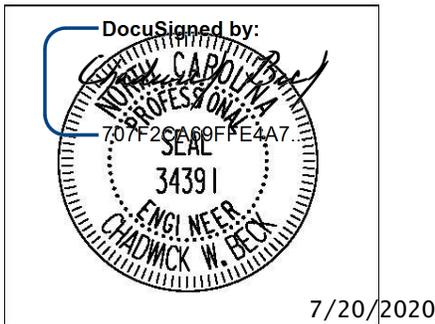




ADDENDUM I

**REQUEST FOR BIDS
FOR
ELLIOTT ROAD EXTENSION
TOWN OF CHAPEL HILL, NORTH CAROLINA**

BID: P21-101
TO: All Prospective Bidders
FROM: Zakia Alam, Purchasing & Contracts Manager
SUBJECT: Addendum I – Elliott Road Extension
DATE: July 20, 2020



The following changes and clarifications are applicable to the referenced project and are now a part of its contract documents. Where any article, division, or paragraph of the original contract documents or other addenda is supplemented herein, the provisions of the original documents shall remain in effect. All the supplemental provisions shall be considered as added hereto. Where any such article, division, or subparagraphs are amended, voided, or superseded thereby, the provisions of such article, division, or subparagraph not so specifically amended, voided, or superseded shall remain in effect.

The attention of each contractor is called to the following clarifications, additions to, and changes in the plans and specifications, on the above project. It will be the responsibility of each contractor to call such clarifications, additions, and changes in plans and specifications to the attention of subcontractors concerned. The Town in no way assumes any responsibility for notifying any subcontractor, material dealers, or others not having received the original contract documents.

Bidder must acknowledge receipt of Addendum No. 1 on page 6 of the Request for Bid.

This Addendum is intended to answer questions that we have received regarding the RFB for the Elliott Road Extension Project. Listed below are those questions and our responses.

1. Question: In downloading and viewing the bid documents, we found the following items needing clarification:

26	REINFORCING STEEL	34,000	CY (should this be LB ?)
68	WORK ZONE SIGNS (STAT)	330	EA (should this be SF ?)
69	WORK ZONE SIGNS (PORT)	320	EA (should this be SF ?)
94	SUPL GREEN PAVT MARKINGS	375	SY (should this be SF ?)

Response: The unit measurements shall be revised as follows and see version 2 of the Bid Proposal Form under “Revisions to Project Documents”:

- 26- Reinforcing Steel- 34,000- LB
- 68- Work Zone Signs (Stat)- 330- SF
- 69- Work Zone Signs (PORT)- 320- SF
- 94- Supl Green Pavt Markings- 375- SF

2. Question: Also, please note item 94 is listed as a special provision but we find no such SP item in the documents.

Response: The referenced special provision for item 94 is included in this addendum under “Revisions to Project Documents.”

3. Question: Will all bid items that reference NCDOT Specifications be measured and paid for according to the NCDOT specification referenced.

Response: Yes, unless otherwise stated in the project documents, line items will be measured and paid for in accordance with NCDOT standard specifications as stated in the first paragraph of page R-1 of the “Technical Specifications”.

4. Question: We would like one clarification on this project before the addendum on July 20th. Is this a unit price project or a lump sum project? The bid documents are not real clear to us or our subs. Can this be addressed as soon as possible with all bidders?

Response: This project will be evaluated based on the unit prices provided with the submitted bid and awarded to the lowest responsive bidder. Version 2 of the Bid Proposal Form is provided under “Revisions to Project Documents”.

5. Question: Are NCDOT Encroachment agreements available? I do not see them in the documents provided.

Response: The project team is currently pursuing the required encroachment agreements with NCDOT and are not available currently. Bidders should anticipate standard NCDOT encroachment agreement provisions.

6. Question: The rock borings from the geotechnical report do not go to the lowest utility invert on the project. How is this to be addressed and paid for? If we encounter rock past the point of the borings does this change the project conditions?

Response: If rock is encountered it will be addressed in accordance with NCDOT specifications.

7. Question: There is existing handrail/fencing at the top of the triple elliptical arch culvert. I do not see on the plans where it calls for new handrail to be put up on the culvert extension. Typically, when new handrail is put up there is a pay item for the handrail. Is there a new handrail or fencing on the project to be installed, and if so how is to be paid?

Response: It is not intended to include handrail or fencing at this location in the final configuration. Contractor shall adhere to the requirements shown in the Traffic Management Plan for pedestrian safety during construction.

8. Question: Is providing and placing backfill material after undercut incidental to the Undercut Excavation pay item?

Response: Yes.

9. Question: If you could clarify the bid items for select granular material and select granular material – Class III and what those items are intended to be used for it would be greatly appreciate.

Response: Select Granular Material is included in the bid for as required for embankment/backfill in areas noted by the engineer and as discussed in Appendix C of the Technical Specifications. Select Granular Material- Class III is intended for use in constructing the foundation for the culverts as discussed in Appendix C, Foundation Recommendations of the Technical Specifications.

10. Question: How do you intend to quantify and pay for the borrow excavation item?

Response: Borrow Excavation will be measured and paid in accordance with NCDOT specification 230-5 (A) In-Place Measurement.

11. Question: There are 2 existing building structures at station -L- 21+50 that need to be removed in order to complete this project. Are those building demolitions a part of this contract and if so, how are they to be paid? Is there an asbestos report for these buildings and does remediation need to be included in the pricing?

Response: The demolition of the noted structures shall be completed in accordance with section 210 of NCDOT Standard Specifications. Payment for this work will be included in the contract lump sum price for 'Clearing and Grubbing' in accordance with section 200-8 of NCDOT Standard Specifications.

12. Question: Are there any special considerations needed to address the new proposed Elliott Road section that runs through the ongoing active apartment site being constructed that runs through the ongoing active being constructed.

Response: Please see Project Special Provision “Cooperation Between Contractors” on page R-10 of the project technical specifications.

13. Question: Will the adjacent project connect to any of our system prior to final acceptance of this project? If so, who is responsible for maintenance?

Response: Contractor is to assume adjacent site may need to connect to systems within the right of way as noted in the construction documents. Contractor is to maintain infrastructure through duration of project until accepted by Owner.

14. Question: Will this contractor be responsible for cleaning, testing, or erosion control for storm, water, or sewer systems or lines past the public right of way for this project onto the site being constructed?

Response: Contractor will be responsible for the areas and infrastructure within in the limits of payment as noted on the plans.

15. Question: Who will be the construction manager for this project and how will the following be handled? Will they be onsite full time?

- Onsite inspections
- Testing
- Direction on undercut or other unit price items of work
- Quantity verification for monthly and final billings

Response: The Town will be handling the construction management for this project, with Town staff and/or third-party vendor. Contractor will be responsible for testing per NCDOT specifications. It is expected the contractor is to coordinate with a third-party testing and inspection party, be it Town staff or testing firm. It is not known at this time if the inspector will be onsite at all times, but contractor is expected to provide adequate notification for the need for testing or inspections from the third party per NCDOT specifications.

16. Question: Item 20 for Flared End Section does not have a size specification for the 2 flared end sections. After looking at the storm drainage tables I do not see the flared end sections listed. Any clarification on the location and size of these would be greatly appreciated.

Response: The flared end sections are noted as structures No. 211 and 308 as shown on sheet 4 of the plans.

17. Question: Is asphalt patching for utility lines to be paid as a pay item, or is the patching incidental to the installation of the pipe?

Response: Line Item 184, ASPHALT PLANT MIX, PAVEMENT REPAIR, has been added to Version 2 of the bid form under, “Revisions to Project Documents”.

Revisions to Project Documents

1. P21-101- Elliott Road Extension Bid Proposal Form, Version 2- Remove previous version and replace with attached Version 2 of the Bid Proposal Form.

2. Supplemental Green Thermoplastic Pavement Markings (90 MILS)

Description:

This work consists of all work necessary to place *Supplemental Green Thermoplastic Pavement Markings (90 MILS)* in accordance with these provisions, the plans, and as directed.

Materials

A) Refer to Division 10 of the *2018 Standard Specifications*.

Item	Section
Pavement Markings	1087

B) Daytime chromaticity coordinates for the color use for green colored pavement shall be as follows:

1		2		3		4	
x	y	x	y	x	y	x	y
0.23	0.754	0.266	0.5	0.367	0.5	0.444	0.555

The daytime luminance factor (Y) shall be at least 7, but no more than 35.

C) Nighttime chromaticity coordinates for the color used for green colored pavement shall be as follows:

1		2		3		4	
x	y	x	y	x	y	x	y
0.23	0.754	0.366	0.54	0.45	0.5	0.479	0.52

D) Green colored pavement should be retroreflective.

E) Green marking materials shall minimize loss of traction for bicyclists (see Paragraph 4 of Section 3A.04 of the 2009 MUTCD)

Measurement and Payment

Supplemental Green Thermoplastic Pavement Markings (90 MILS) will be measured and paid as the actual number of square feet of pavement marking lines satisfactorily placed and accepted by the Engineer.

P21-101- Elliott Road Extension Bid Proposal Form, Version 2

Line Item Number	Sec. No	Pay Item Description	Units	Quantity	Unit Price	Item Cost
1	800	MOBILIZATION	LS	1		
2	801	CONSTRUCTION SURVEYING	LS	1		
3	200	CLEARING AND GRUBBING	LS	1		
4	225	UNCLASSIFIED EXCAVATION	CY	1,600		
5	225	UNDERCUT EXCAVATION	CY	3,050		
6	230	BORROW EXCAVATION	CY	38,600		
7	250	REMOVAL OF EXISTING ASPHALT PAVEMENT	SY	4,605		
8	265	SELECT GRANULAR MATERIAL	CY	3,150		
9	265	SELECT GRANULAR MATERIAL, CLASS III	CY	4,000		
10	270	GEOTEXTILE FOR SOIL STABILIZATION	SY	3,250		
11	270	GEOTEXTILE FOR SOIL STABILIZATION, TYPE 4	SY	110		
12	300	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	TON	430		
13	310	15" RC PIPE CULVERTS, CLASS IV	LF	1,236		
14	310	18" RC PIPE CULVERTS, CLASS IV	LF	1,480		
15	310	24" RC PIPE CULVERTS, CLASS IV	LF	676		
16	310	30" RC PIPE CULVERTS, CLASS IV	LF	152		
17	310	36" RC PIPE CULVERTS, CLASS IV	LF	140		
18	310	42" RC PIPE CULVERTS, CLASS IV	LF	144		
19	310	72" RC PIPE CULVERTS, CLASS III	LF	208		
20	SP	FLARED END SECTION (TOCH DETAIL SD-7)	EA	2		
21	414	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT (CLASE VI)	TON	275		
22	414	CULVERT EXCAVATION (-L- 17+53.82)	LS	1		
23	414	CULVERT EXCAVATION (-Y1- 13+36.75)	LS	1		
24	416	CHANNEL EXCAVATION	CY	150		
25	420	CLASS A CONCRETE	CY	280		
26	420	REINFORCING STEEL	LB	34,000		
27	453	CIP GRAVITY RETAINING WALLS	SF	200		
28	SP	ELLIPTICAL STEEL PIPE CULVERT	LS	1		
29	505	SHALLOW UNDERCUT	CY	100		
30	505	CLASS IV SUBGRADE STABILIZATION	TON	200		
31	543	AGGREGATE BASE COURSE	TON	6,375		
32	607	MILLING ASPHALT PAVEMENT, 1 1/2" DEPTH	SY	8,100		
33	610	ASPHALT CONC. BASE COURSE, TYPE B25.0C	TON	1,060		
34	610	ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C	TON	2,595		
35	610	ASPHALT CONC. SURFACE COURSE, TYPE S9.5C	TON	2,800		
36	620	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	TON	345		
37	815	6" PERFORATED SUBDRAIN PIPE	LF	500		
38	838	ENDWALLS	CY	5		
39	840	PIPE COLLARS	CY	2		
40	840	MASONRY DRAINAGE STRUCTURES	EA	61		
41	840	MASONRY DRAINAGE STRUCTURES, EXTRA DEPTH	LF	47		
42	840	FRAME WITH TWO GRATES, STD 840.16	EA	8		
43	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE "E"	EA	10		
44	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE "F"	EA	25		
45	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE "G"	EA	14		
46	840	FRAME WITH COVER, STD. 840.54	EA	4		
47	846	8"X18" CURB & GUTTER	LF	190		
48	846	1'-6" CONCRETE CURB & GUTTER	LF	1,145		
49	846	2' CONCRETE CURB & GUTTER	LF	2,135		
50	846	2'-6" CONCRETE CURB & GUTTER	LF	4,555		
51	848	CONCRETE CURB RAMP	EA	36		
52	SP	BIKE RAMP	EA	6		
53	848	4" CONCRETE SIDEWALK	SY	4,615		
54	848	6" CONCRETE DRIVEWAY	SY	140		
55	852	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	SY	845		
56	862	STEEL BM GUARDRAIL	LF	805		
57	862	GUARDRAIL END UNITS, TYPE CAT-1	EA	3		
58	SP	GUARDRAIL END UNITS, TYPE TL-3	EA	5		
59	SP	COLORED CONCRETE VEHICULAR APRON	SY	510		
60	876	RIP RAP, CLASS II	TON	510		
61	876	RIP RAP, CLASS B	TON	155		
62	876	FILTER FABRIC FOR DRAINAGE	SY	730		
63	901	CONTRACTOR FURNISHED, TYPE "E" SIGN	SF	389		
64	903	SUPPORTS, 3-LB STEEL U-CHANNEL	LF	1,080		
65	904	SIGN ERECTION, TYPE E	EA	41		
66	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	EA	27		

P21-101- Elliott Road Extension Bid Proposal Form, Version 2

Line Item Number	Sec. No	Pay Item Description	Units	Quantity	Unit Price	Item Cost
67	907	DISPOSAL OF SIGN SUPPORT, U-CHANNEL	EA	7		
68	1110	WORK ZONE SIGNS (STATIONARY)	SF	330		
69	1110	WORK ZONE SIGNS (PORTABLE)	SF	320		
70	1110	WORK ZONE SIGNS (BARRICADE MOUNTED)	SF	109		
71	1115	FLASHING ARROW BOARD	EA	1		
72	1120	PORTABLE CHANGEABLE MESSAGE SIGN	EA	2		
73	SP	TEMPORARY CURB RAMP	EA	5		
74	SP	TEMPORARY PORTABLE TRAFFIC SIGNAL SYSTEM	EA	1		
75	1130	DRUMS	EA	250		
76	1135	CONES	EA	300		
77	1145	BARRICADES (TYPE III)	LF	144		
78	SP	PEDESTRIAN CHANNELIZING DEVICES	LF	120		
79	1150	FLAGGER	HR	100		
80	1160	TEMPORARY CRASH CUSHION	EA	1		
81	1165	TRUCK MOUNTED ATTENUATOR	EA	1		
82	1170	PORTABLE CONCRETE BARRIER (ANCHORED)	LF	465		
83	1205	PAINT PAVEMENT MARKING LINES (4")	LF	21,397		
84	1205	PAINT PAVEMENT MARKING LINES (8")	LF	668		
85	1205	PAINT PAVEMENT MARKING LINES (24")	LF	1,408		
86	1205	PAINT PAVEMENT MARKING SYMBOL	EA	10		
87	1205	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	LF	5,320		
88	1205	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	LF	7,582		
89	1205	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	LF	511		
90	1205	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)	LF	54		
91	1205	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)	LF	75		
92	1205	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	LF	1,834		
93	1205	THERMOPLASTIC PAVEMENT SYMBOL (90 MILS)	EA	117		
94	SP	UPPLEMENTAL GREEN THERMOPLASTIC PAVEMENT MARKINGS (90 MILS)	SF	375		
95	1205	PERMANENT RAISED PAVEMENT MARKERS	EA	360		
97	1510	6" WATER LINE	LF	37		
98	1510	8" WATER LINE	LF	1,290		
99	1510	12" WATER LINE	LF	1,698		
100	1510	DUCTILE IRON WATER PIPE FITTINGS	LB	7,106		
101	1515	6" VALVE	EA	7		
102	1515	8" VALVE	EA	12		
103	1515	12" VALVE	EA	7		
104	1515	8" TAPPING SLEEVE & VALVE	EA	1		
105	1515	RELOCATE WATER METER	EA	1		
106	1515	RELOCATE 2" WATER METER	EA	1		
107	1515	FIRE HYDRANT	EA	6		
108	1515	FIRE HYDRANT LEG	LF	175		
109	1515	WATER SERVICE LINE	LF	45		
110	1515	2" WATER SERVICE LINE	LF	42		
111	1520	12" SANITARY GRAVITY SEWER	LF	1,005		
112	1525	4' DIA UTILITY MANHOLE	EA	7		
113	1525	UTILITY MANHOLE WALL 4' DIA	LF	40		
114	1530	ABANDON 6" UTILITY PIPE	LF	42		
115	1530	ABANDON 8" UTILITY PIPE	LF	1,585		
116	1530	ABANDON 10" UTILITY PIPE	LF	827		
117	1530	REMOVE FIRE HYDRANT	EA	2		
118	1530	REMOVE UTILITY MANHOLE	EA	4		
119	SP	CUT AND CAP 2" WATER LINE	EA	2		
120	SP	GENERIC UTILITY ITEM - REMOVE 6" WATER SERVICE ASSEMBLY	EA	1		
121	1605	TEMPORARY SILT FENCE	LF	4,385		
122	1610	EROSION CONTROL STONE, CLASS A	TON	85		
123	1610	EROSION CONTROL STONE, CLASS B	TON	35		
124	1610	SEDIMENT CONTROL STONE	TON	40		
125	1615	TEMPORARY MULCHING	ACR	5		
126	1620	SEED FOR TEMPORARY SEEDING	LB	500		
127	1620	FERTILIZER FOR TEMPORARY SEEDING	TON	2.5		
128	SP	SAFETY FENCE	LF	860		
129	1630	SILT EXCAVATION	CY	50		
130	1631	MATTING FOR EROSION CONTROL	SY	14,700		
131	1632	1/4" HARDWARE CLOTH	LF	100		
132	SP	36" TEMPORARY PIPE	LF	72		
133	SP	48" TEMPORARY PIPE	LF	36		

P21-101- Elliott Road Extension Bid Proposal Form, Version 2

Line Item Number	Sec. No	Pay Item Description	Units	Quantity	Unit Price	Item Cost
134	1639	SPECIAL STILLING BASIN	EA	4		
135	SP	WATTLE	LF	20		
136	SP	POLYACRYLAMIDE (PAM)	LB	10		
137	1660	SEEDING AND MULCHING	ACR	9		
138	1660	MOWING	ACR	6		
139	1661	SEED FOR REPAIR SEEDING	LB	50		
140	1661	FERTILIZER FOR REPAIR SEEDING	TON	0.25		
141	1662	SEED FOR SUPPLEMENTAL SEEDING	LB	175		
142	1665	FERTILIZER TOPDRESSING	TON	4.75		
143	SP	IMPERVIOUS DIKE	LF	460		
144	SP	CONCRETE WASHOUT STRUCTURE	EA	1		
145	SP	SPECIAL INLET PROTECTION	EA	41		
146	1705	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION WITH COUNTDOWN)	EA	6		
147	1705	SIGNAL CABLE	LF	5,325		
148	1705	VEHICLE SIGNAL HEAD (12", 3 SECTION)	EA	12		
149	1705	VEHICLE SIGNAL HEAD (12", 4 SECTION)	EA	4		
150	1705	VEHICLE SIGNAL HEAD (12", 5 SECTION)	EA	6		
151	SP	APS DETECTOR STATION	EA	8		
152	SP	CENTRAL CONTROL UNIT FOR APS DETECTOR STATION	EA	1		
153	1710	MESSENGER CABLE (3/8")	LF	1,100		
154	1715	TRACER WIRE	LF	1,170		
155	1715	UNPAVED TRENCHING (2 CONDUITS, 2 INCH)	LF	1,345		
156	1715	DIRECTIONAL DRILL (2 CONDUITS, 2 INCH)	LF	825		
157	1716	JUNCTION BOX (STANDARD SIZE)	EA	8		
158	1716	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)	EA	5		
159	1720	WOOD POLE	EA	3		
160	1721	GUY ASSEMBLY	EA	8		
161	1722	1" RISER WITH WEATHERHEAD	EA	1		
162	1722	2" RISER WITH WEATHERHEAD	EA	3		
163	1725	INDUCTIVE LOOP SAWCUT	LF	1,915		
164	1726	LEAD-IN CABLE (14-2)	LF	3,950		
165	SP	CAMERA WITH INTERNAL LOOP EMULATOR PROCESSING UNIT	EA	1		
166	1730	COMMUNICATIONS CABLE (24 FIBER)	LF	1,055		
167	1730	DROP CABLE	LF	205		
168	1731	SPLICE ENCLOSURE	EA	1		
169	1731	MODIFY SPLICE ENCLOSURE	EA	1		
170	1731	INTERCONNECT CENTER	EA	1		
171	1732	FIBER-OPTIC TRANSCEIVER	EA	1		
172	1733	DELINEATOR MARKER	EA	2		
173	SP	METAL STRAIN SIGNAL POLE	EA	3		
174	SP	SOIL TEST	EA	3		
175	SP	DRILLED PIER FOUNDATION	CY	16.5		
176	SP	METAL STRAIN POLE DESIGN	EA	3		
177	1745	SIGN FOR SIGNALS	EA	11		
178	1743	TYPE I POST WITH FOUNDATION	EA	7		
179	1743	TYPE II PEDESTAL WITH FOUNDATION	EA	2		
180	1750	SIGNAL CABINET FOUNDATION	EA	2		
181	1751	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)	EA	1		
182	1751	DETECTOR CARD (TYPE 2070L)	EA	13		
183	1753	CABINET BASE EXTENDER	EA	1		
184	654	ASPHALT PLANT MIX, PAVEMENT REPAIR	TON	300		

TOTAL