

ADDENDUM No. 1

TO: Prospective Bidders

FROM: Sadia Khan, Contracts Administrator

DATE: September 10, 2021

PROJECT: Lakeview Road Improvements
 Project No.: PM51216008
 TIP Number: U-5905
 Bid Number: HC2019-1793

The following items are being issued herein for modification and clarification to the Bid Requirements for the project referenced above. All Bidders shall acknowledge this Addendum within their submittal.

MODIFICATIONS

PROJECT MANUAL

1) Under Section 00 40 00 "ITEMIZED BID", following items have been modified, deleted and/or added:

Item #	Section #	Description	Qty	Unit	Unit Price (\$)	Amount Bid (\$) (Qty x Unit Price)
7	250	Removal of Existing Asphalt Pavement	2,980	SY		
9 8	SP-01	Select Material	3,450 1,000	TN		
12 11	305	15" Drainage Pipe (RCP)	492 212	LF		
13	305	18" Drainage Pipe (RCP)	124	LF		
16 14	310	15" R.C. Pipe Culverts, Class IV	4,464 4,912	LF		
17 15	310	18" R.C. Pipe Culverts, Class IV	1,012 652	LF		
18 16	310	24" R.C. Pipe Culverts, Class IV	760 1,200	LF		
19	310	15" Side Drain Pipe	248	LF		
21 18	453	Wall, Gravity Retaining Segmental Gravity Retaining Walls	1,034	SF		
25 22	607	Milling Asphalt Pavement, 0.0" to 3.0"	28,272 14,921	SY		
32 29	SP-05	Full Depth Asphalt Pavement Patching	1,500 600	SY TN		
40	846	6" x 12" Concrete Curb	41	LF		
41	846	8" x 12" Concrete Curb	317	LF		

Item #	Section #	Description	Qty	Unit	Unit Price (\$)	Amount Bid (\$) (Qty x Unit Price)
206 <i>(New item)</i>	265	Select Granular Material	3,680	CY		

Rest of the items on the ITEMIZED BID are re-numbered accordingly. Electronic Itemized Bid Form available at City's website has been revised to reflect the above changes.

- 2) On page 00 75 00-20, *delete* the sub-article **4.0 MEASUREMENT AND PAYMENT** under **SP-05 FULL DEPTH ASPHALT PAVEMENT PATCHING** in its entirety and *replace* with the following:

4.0 MEASUREMENT AND PAYMENT

Full Depth Asphalt Pavement patching will be measured and paid as the actual number of tons that have been satisfactorily placed to make completed and accepted repairs. The above price and payment will be full compensation for all work covered by this provision, including but not limited to removal and disposal of all types of pavement; furnishing and applying tack coat; furnishing, placing, and compacting of asphalt plant mix; furnishing of asphalt binder for the asphalt plant mix; and furnishing scales.

Any provisions included in the contract that provides for adjustments in compensation due to variations in the price of asphalt binder will not be applicable to payment for the work covered by this provision.

Payment will be made under:

FULL DEPTH ASPHALT PAVEMENT PATCHINGTN

DRAWINGS

- 3) On the DRAWINGS, replace each drawing sheet indicated below with the revised drawing sheets included as part of this Addendum No. 1:

SHEET NO	DRAWING TITLE
3E	DRAINAGE SUMMARY
3F	DRAINAGE SUMMARY
3G	DRAINAGE SUMMARY
3H	DRAINAGE SUMMARY
15	PLAN & PROFILE STA.72+11 TO 77+76

QUESTIONS & ANSWERS

1. What Print and page number is the Fiber route from Statesville on Lakeview to WT Harris?

Answer: The fiber route is shown along the north side of Lakeview Road on plan sheets 10 thru 14 and sheet 24.

2. Regarding line item 117 – Solar Powered Rectangular Rapid Flashing Beacon (RRFB) and SP-31, does the sign W11-15 need to be doubled sided at each location?

Answer: For sign W11-5, The Rectangular Rapid Flashing Beacon (RRFB) will be single sided because it will be single lane approaches in each direction.

3. Various runs of "Drainage Pipe" as referenced in the drainage summary are called out as RCP, Class IV on the plans. NCDOT Spec. Section 305 does not include/reference RCP, Class IV?

Answer: *Per the Itemized Bid sheet, refer to NCDOT Spec. Section 310 for RCP, Class IV.*

4. Sheet 3H of the drainage summary includes 3 runs of "Side Drain Pipe" which are also quantified as "Drainage Pipe" on Sheet 3G of the drainage summary.

Answer: *The duplicate runs of "side drain pipe" are deleted and shown only as drainage pipe on Sheet 3G. The drainage summary sheets and bid quantities have been updated accordingly through this addendum.*

5. There are many runs of pipe classified as a particular size on the plans which are different than the size classification on the drainage summary (i.e. Sheet 15, Str. 1501 to 1404, Str. 1502 to 1501, Str. 1503 to 1502, and Str. 1504 to 1503, are all called out on the plans as 24", but called out and quantified as 18" per the drainage summary). This is only one example.

Answer: *The lengths and sizes shown on the plans are correct, except for the lengths of pipes 1502-1503 and 1503-1504 on Sheet 15 which has been revised. The drainage summary sheets, plan sheet 15, and bid quantities have been updated accordingly through this addendum.*

6. In reference to item 32 - Full Depth Asphalt Pavement Patching, the unit of measure is SY. What is the typical section that shall be used for this item?

Answer: *The depth can vary depending on the severity of the pavement degradation and the depth of the existing pavement. The unit of measure in the Itemized Bid has been revised from SY to TN through this addendum.*

7. Item 31, Full Depth Reclamation, SP-04, 4.0D, states "Apply the required quantity of cement, as established by the Engineer..." What is the rate that is required? This will be necessary to bid this item by the SY to include cement as specified. Also, what is the target material weight/density of the reclaimed pavement?

Answer: *Per SP-04, the Contractor is responsible for conducting sample gathering and obtaining a mix design. The Contractor's mix design, which shall be approved by the Engineer, will determine the amount of cement required.*

8. There are two items which reference Removal of Existing Pavement, items 7 and 156. Where are each of these items intended to be used?

Answer: *Item 156 includes removal of existing roadway pavement, driveways, and sidewalks. Item 7 is a duplicate of the asphalt pavement removal and has been deleted through this addendum.*

9. There are notes on Sheet 2A which state "Excavate to a depth of 3 feet below final grade and backfill with compacted select material in accordance with the special provision..." This is shown on the cross sections as proposed undercut. Item 9, Select Material, pertains to storm pipe culvert excavations. If the City/Engineer want select material to be placed in the undercut areas there should be an item for Select Granular Material, NCDOT Spec Section 265. Please clarify.

Answer: An item for Select Granular Material (NCDOT Section 265) has been added in the Itemized Bid through this addendum to allow for the use of Class II or III Select Material below roadway pavement.

10. The quantity for item 25, Milling Asphalt Pavement, 0.0" to 3.0", seems significantly overstated. Our thought was maybe the Full Depth Reclamation quantity was included by mistake. Please clarify/advise.

Answer: The quantity for Item 25 did inadvertently include an amount of pre-milling associated with the Full Depth Reclamation (FDR). Any pre-milling for the FDR is included in Item 31. The quantity for Item 25 has been reduced accordingly through this addendum.

11. Where is item 40, 6" x 12" Concrete Cub, to be used/paid?

Answer: Item 40 was originally included for vertical curb at several curb ramps. Per SP-07, the vertical curb associated with the ramps is included in Item 48 for Concrete Curb Ramps. Item 40 has been deleted through this addendum.

12. Where is item 41, 8" x 12" Concrete Curb, to be used/paid?

Answer: Item 41 was originally included for vertical curb associated with the truck aprons. The truck apron design has since been revised to remove the vertical curb. Item 41 been deleted through this addendum.

13. Item 21, Wall, Gravity Retaining, refers to NCDOT Spec Section 453 CIP Gravity Retaining Walls. This contradicts the details in the plans which call for Segmental Block Gravity Retaining Walls. Please clarify.

Answer: The description for Item 21 has been changed to Segmental Gravity Retaining Walls, NCDOT Spec Section 454 through this addendum.

14. Are the 12" Concrete Truck Aprons to be poured on subgrade or on Asphalt Base? Please provide typical section of what is required.

Answer: The concrete apron is to be poured on a 6" asphalt base. Please refer to the Truck Apron Detail on Sheet 2A.

END OF ADDENDUM NO. 1

ITEMIZED BID

Bidder Name: _____
Project #: PM51216008
Project Name: Lakeview Road Improvements

SECTION 1: BID

ADDENDUM # 1

Item #	Section #	Description	Qty	Unit	Unit Price (\$)	Amount Bid (\$) (Qty x Unit Price)
1	800	Mobilization	1	LS		
2	200	Clearing and Grubbing	1	LS		
3	225	Unclassified Excavation	900	CY		
4	226	Undercut Excavation	3,680	CY		
5	230	Borrow Excavation	11,600	CY		
6	240	Drainage Ditch Excavation	870	CY		
7	260	Proof Rolling	6	HR		
8	SP-01	Select Material	1,000	TN		
9	SP-02	Traffic Control	1	LS		
10	275	Rock Plating	90	SY		
11	305	15" Drainage Pipe (RCP)	212	LF		
12	305	24" Drainage Pipe (RCP)	36	LF		
13	305	30" Drainage Pipe (RCP)	112	LF		
14	310	15" R.C. Pipe Culverts, Class IV	4,912	LF		
15	310	18" R.C. Pipe Culverts, Class IV	652	LF		
16	310	24" R.C. Pipe Culverts, Class IV	1,200	LF		
17	340	Pipe Removal	1,028	LF		
18	453	Segmental Gravity Retaining Walls	1,034	SF		
19	500	Fine Grading	20,715	SY		
20	SP-03	Mechanically Stabilized Earth Retaining Wall	808	SF		
21	545	Incidental Stone Base	172	TN		

ADDENDUM # 1

Item #	Section #	Description	Qty	Unit	Unit Price (\$)	Amount Bid (\$) (Qty x Unit Price)
22	607	Milling Asphalt Pavement, 0.0" to 3.0"	14,921	SY		
23	607	Milling Asphalt Pavement, greater than 3" Depth	2,282	SY		
24	610	Asphalt Concrete Base Course, Type B 25.0C	5,196	TN		
25	610	Asphalt Concrete Intermediate Course, Type I 19.0C	7,339	TN		
26	610	Asphalt Concrete Surface Course, Type S 9.5C	4,377	TN		
27	620	Asphalt Binder for Plant Mix	1,015	TN		
28	SP-04	Full Depth Reclamation (Includes Cement) 12" Depth	12,188	SY		
29	SP-05	Full Depth Asphalt Pavement Patching	600	SY		
30	840	Frame with Grate (all types)	60	EA		
31	840	Masonry Drainage Structures	74	EA		
32	840	Masonry Drainage Structures	1	LF		
33	840	Grated Drop Inlet (WS SAG) Frame W/ 2 Grates STD. 840.22	9	EA		
34	840	Drop Inlet (NS FLAT) Frame W/ 2 Grates STD. 840.29	3	EA		
35	840	Special Design Open Throat Catch Basin	1	EA		
36	840	Manhole Frame and Cover STD. 840.54	2	EA		
37	846	1'-6" Mountable Curb and Gutter - CLDS 10.17B	500	LF		
38	846	1'-6" Concrete Curb and Gutter	141	LF		
39	846	2'-6" Concrete Curb and Gutter	9,634	LF		
40	848	4" Concrete Sidewalk or Pad	2,179	SY		
41	SP-06	6" Concrete Multi-Use Path (MUP)	7,685	SY		
42	848	6" Concrete Driveways	1,944	SY		
43	SP-07	Concrete Curb Ramps	737	SY		
44	852	5" Monolithic Concrete Islands	554	SY		
45	SP-08	Pedestrian Refuge Island	250	SY		
46	SP-09	12" Concrete Truck Apron	231	SY		
47	858	Adjustment of Catch Basins	1	EA		

ADDENDUM # 1

Item #	Section #	Description	Qty	Unit	Unit Price (\$)	Amount Bid (\$) (Qty x Unit Price)
48	858	Adjustment of 2GI	1	EA		
49	858	Adjustment of Manholes	1	EA		
50	859	Convert Existing Catch Basin to Junction Box with manhole	1	EA		
51	859	Convert Existing Drop Inlet to Junction Box	1	EA		
52	310	15" Pipe End Section	20	EA		
53	310	18" Pipe End Section	2	EA		
54	310	24" Pipe End Section	2	EA		
55	310	30" Pipe End Section	4	EA		
56	840	Concrete Collars CL "B" STD. 840.72	1	CY		
57	SP-10	Flowable Fill	14	CY		
58	862	Guardrail Anchor Units, Type CAT-1	1	EA		
59	862	Guardrail Anchor Units, Type AT-1	2	EA		
60	862	Guardrail End Unit, TL-2	1	EA		
61	876	Riprap, Class 1	105	TN		
62	876	Riprap, Class B	37	TN		
63	876	Geotextile for Drainage	2,100	SY		
64	862	Steel Beam Guardrail	760	LF		
65	863	Remove Existing Guardrail	1,180	LF		
66	864	Remove and Reset Existing Guardrail	180	LF		
67	901	Contractor Furnished, Type E Sign	451	SF		
68	903	Supports, 3-lb (4.5 kg) Steel U-Channel	802	LF		
69	904	Sign Erection, Type E	60	EA		
70	SP-11	Vertical Panel Object Marker	8	EA		
71	907	Disposal of Sign, A and B	2	EA		
72	907	Disposal of Sign, D, E or F	7	EA		
73	907	Disposal of Sign Support, U Channel	8	EA		

ADDENDUM # 1

Item #	Section #	Description	Qty	Unit	Unit Price (\$)	Amount Bid (\$) (Qty x Unit Price)
74	907	Disposal of Sign System, Steel	1	EA		
75	907	Disposal of Sign Support, Steel	1	EA		
76	907	Disposal of Sign System, Wood	3	EA		
77	907	Disposal of Sign Support, Wood	5	EA		
78	1705	Signal Cable (16 AWG - 4 Conductor)	5,000	LF		
79	1705	Signal Cable (16 AWG - 7 Conductor)	1,700	LF		
80	1710	Messenger Cable (3/8" Galvanized)	750	LF		
81	1715	Unpaved Trenching (2-2" SCH80)	4,930	LF		
82	1715	Directional Drill (2-2")	275	LF		
83	1716	Junction Box (13"x24"x12" PC, TRAFFIC SIGNAL logo)	26	EA		
84	1716	Junction Box (24"x36"x24" PC, CDOT FIBER OPTIC logo)	3	EA		
85	1725	Embedded Loop Detector	2,600	LF		
86	1726	Type 1 Lead In Cable	13,000	LF		
87	1745	Sign Installed for Signals	32	EA		
88	SP-13	Vehicle Signal Head (Polycarbonate, 12", 3-section)	1	EA		
89	SP-13	Vehicle Signal Head (Polycarbonate, 12", 4-section FYA)	6	EA		
90	SP-14	Riser Assembly (2" Sch. 80 PVC)	8	EA		
91	SP-15	16" Pedestrian Signal Head	16	EA		
92	SP-16	10 foot Metal Base/Pole/Cap for Pedestrian Signal	16	EA		
93	SP-16	Concrete Foundation for 10 foot Metal Base/Pole/Pedestrian Signal	16	EA		
94	SP-16	15 foot Pedestrian Pedestal Base and Pole	2	EA		
95	SP-16	Concrete Foundation for 15 foot Metal Base/Pole/Pedestrian Signal	2	EA		
96	SP-17	APS Pedestrian Push Button Installation	18	EA		
97	SP-18	Central Control Units for APS Detector Stations	2	EA		
98	SP-19	3 Section 12" Signal Head Cover	1	EA		
99	SP-19	4 Section 12" Signal Head Cover	6	EA		

ADDENDUM # 1

Item #	Section #	Description	Qty	Unit	Unit Price (\$)	Amount Bid (\$) (Qty x Unit Price)
100	SP-19	Pedestrian Signal Head Cover	16	EA		
101	SP-20	Aerial Fiber Optic Cable (With Hardware, varies, Max 24 Fibers)	450	LF		
102	SP-21	Fiber Optic Patch Panel	1	EA		
103	SP-22	6-Fiber Cable Stub	20	LF		
104	SP-23	Underground Fiber Optic Cable (varies, Max 24 Fibers)	3,000	LF		
105	SP-24	Place New Conduit in Existing Pullbox	24	EA		
106	SP-25	Fiber Optic Splicing Assembly Unit	30	EA		
107	SP-26	Fiber Optic Power Level Test Assembly Unit	30	EA		
108	SP-27	Fiber Optic Splice Test Assembly Unit	30	EA		
109	SP-28	LED Blankout Signs	2	EA		
110	SP-29	Underground Handhole Assemble Unit (Fiber)	5	EA		
111	SP-30	Underground Fiber Optic Closure Assembly Unit	1	EA		
112	SP-31	Solar Powered Rectangular Rapid Flashing Beacon (RRFB)	2	EA		
113	SP-32	Conduit Entrance Into Existing Foundation	1	EA		
114	1205	Thermoplastic Pavement Marking Lines, 4", 90 mils	26,530	LF		
115	1205	Thermoplastic Pavement Marking Lines, 8", 90 mils	4,140	LF		
116	1205	Thermoplastic Pavement Marking Symbols, 90 mils (Left Turn Arrow)	43	EA		
117	1205	Thermoplastic Pavement Marking Symbols, 90 mils (Straight Arrow)	12	EA		
118	1205	Thermoplastic Pavement Marking Symbols, 90 mils (Right Turn Arrow)	12	EA		
119	1205	Thermoplastic Pavement Marking Symbols, 90 mils (Combo Straight/Right Turn Arrow)	10	EA		
120	1205	Heated In Place Thermoplastic Pavement Marking Symbols, 90 mils (Bicycle Symbol)	2	EA		
121	1205	Heated In Place Thermoplastic Pavement Marking Symbols, 90 mils (Bicycle Arrow)	2	EA		
122	SP-34	Response for Erosion Control	25	EA		
123	SP-39	Safety Fence	400	LF		
124	1605	Temporary Silt Fence	11,450	LF		
125	1606	1/4" Hardware Cloth	2,000	LF		

ADDENDUM # 1

Item #	Section #	Description	Qty	Unit	Unit Price (\$)	Amount Bid (\$) (Qty x Unit Price)
126	1610	Erosion Control Stone, Class A	615	TN		
127	1610	Erosion Control Stone, Class B	860	TN		
128	1610	Sediment Control Stone	1,260	TN		
129	1615	Temporary Mulching	7	AC		
130	1620	Seed for Temporary Seeding	500	LB		
131	1620	Fertilizer For Temporary Seeding	3	TN		
132	1622	Temporary Slope Drains	200	LF		
133	1630	Silt Excavation	1,050	CY		
134	1631	Matting for Erosion Control	15,100	SY		
135	SP-40	Permanent Soil Reinforcement Mat	100	SY		
136	SP-41	Polyacrylamide (PAM)	285	LB		
137	SP-41	Coir Fiber Wattle	410	LF		
138	1640	Coir Fiber Baffle	45	LF		
139	SP-42	Tree Protection Fence	400	LF		
140	1660	Seeding and Mulching	4	AC		
141	1660	Mowing	4	AC		
142	1661	Seed For Repair Seeding	100	LB		
143	1661	Fertilizer for Repair Seeding	1	TN		
144	1662	Seed For Supplemental Seeding	150	LB		
145	1665	Fertilizer Topdressing	5	TN		
146	1667	Specialized Hand Mowing	10	MH		
147	SP-43	Concrete Washout	8	EA		
148	SP-44	Fabric Insert Inlet Protection Device	56	EA		
149	SP-44	Fabric Insert Inlet Protection Device Cleanout	112	EA		
150	SP-45	Safety Rail, Metal CLDS 50.04	1,329	LF		
151	SP-46	Removal of Existing Pavement, Drives and Sidewalks	3,647	SY		

ADDENDUM # 1

Item #	Section #	Description	Qty	Unit	Unit Price (\$)	Amount Bid (\$) (Qty x Unit Price)
152	SP-47	Removal of Existing Curb and Gutter	2,015	LF		
153	SP-48	Gate Relocation and Reset	4	EA		
154	SP-49	Fence, 6' Chain Link	1,448	LF		
155	SP-49	Fence, 6' Chain Link w/ Barbed Wire	1,000	LF		
156	SP-50	Fence Removal	2,560	LF		
157	SP-50	Gate Removal	2	EA		
158	SP-51	Mailbox Relocation and Reset	10	EA		
159	SP-52	Site Amenity Relocation or Removal	20	EA		
160	1746	Sign Relocation and Reset	46	EA		
161	SP-53	Law Enforcement	272	HR		
162	SPU-01	Foundation Conditioning Material, Minor Strs	767	TN		
163	SPU-02	Bedding Material, Utilities Class II	767	TN		
164	SPU-03	3/4" Copper Water Tubing, Type K	297	LF		
165	SPU-03	1" Copper Water Tubing, Type K	54	LF		
166	SPU-03	2" Copper Water Tubing, Type K	131	LF		
167	SPU-04	3/4" x 8" Tapping Saddle	1	EA		
168	SPU-04	3/4" x 12" Tapping Saddle	4	EA		
169	SPU-04	2" x 12" Tapping Saddle	2	EA		
170	SPU-04	4" x 12" Tapping Saddle	1	EA		
171	SPU-04	1" x 8" Tapping Saddle	1	EA		
172	SPU-05	3/4" Corporation Stop	5	EA		
173	SPU-05	1" Corporation Stop	1	EA		
174	SPU-05	2" Corporation Stop	2	EA		
175	SPU-05	4" Corporation Stop	1	EA		
176	SPU-06	2" PVC Water Pipe, SDR 13.5	16	LF		
177	SPU-07	4" DI Restrained Joint Water Pipe, PC 350	25	LF		

ADDENDUM # 1

Item #	Section #	Description	Qty	Unit	Unit Price (\$)	Amount Bid (\$) (Qty x Unit Price)
178	SPU-07	6" DI Restrained Joint Water Pipe, PC 350	96	LF		
179	SPU-07	8" DI Restrained Joint Water Pipe, PC 350	599	LF		
180	SPU-07	12" DI Restrained Joint Water Pipe, PC 350	2,597	LF		
181	SPU-08	DI Restrained Joint Water Pipe Fittings	7,745	LB		
182	SPU-09	2" Gate Valve and Valve Box	1	EA		
183	SPU-09	6" Gate Valve and Valve Box	4	EA		
184	SPU-09	8" Gate Valve and Valve Box	3	EA		
185	SPU-09	12" Gate Valve and Valve Box	9	EA		
186	SPU-10	12" Line Stop	2	EA		
187	SPU-11	Relocate Existing Water Meter	8	EA		
188	SPU-12	Reconnect Existing Water Meter	11	EA		
189	SPU-13	8" DI Sewer Pipe, PC 350	287	LF		
190	SPU-14	4' Dia Manhole, 0-6' Depth	3	EA		
191	SPU-14	Precast Concrete Manhole Wall, 4' Dia, over 6'	17	LF		
192	SPU-15	Adjust Existing Manhole	19	EA		
193	SPU-15	Adjust Existing Water Vault	4	EA		
194	SPU-15	Adjust Existing Meter Box	3	EA		
195	SPU-15	Adjust Existing Valve Box	7	EA		
196	SPU-16	Remove Existing Sewer Manhole	3	EA		
197	SPU-16	Fill or Remove Abandoned 2" Pipe	35	LF		
198	SPU-16	Fill or Remove Abandoned 8" Pipe	2,213	LF		
199	SPU-16	Fill or Remove Abandoned 12" Pipe	1,445	LF		
200	SPU-17	Water Meter Box	8	EA		
201	SPU-18	Abandon and Remove Existing Fire Hydrant	2	EA		
202	SPU-19	Proposed Fire Hydrant	2	EA		
203	SPU-20	Reconnect Existing Fire Hydrant	1	EA		

ADDENDUM # 1

Item #	Section #	Description	Qty	Unit	Unit Price (\$)	Amount Bid (\$) (Qty x Unit Price)
204	SPU-21	Relocate Existing Fire Hydrant	2	EA		
205	SPU-22	Sanitary Sewer Cleanout	1	EA		
206	265	Select Granular Material	3,680	CY		
Total Bid						

Do **not** include any North Carolina Sales and Use Tax that qualifies as Eligible Taxes per Section 00 70 00, Subsection 2.16 "Sales and Use Tax".