

November 10, 2020

ADDENDUM 2 – JOB 2

TO: All prospective bidders on Project UGP-8-992(041), Job No. 2 scheduled for the November 13, 2020 bid opening.

The following plans and request for proposal revision shall be made:

Plan Revisions:

See attached summaries from Paul Benning, P.E. dated November 9, 2020 for an explanation.

Request for Proposal Revisions:

Remove and replace pages 5 thru 14 of 16 of the Proposal pages located at the beginning of the Request for Proposal with pages revised 11/9/2020.

Bid Item Changes are summarized in the Plan Addendum Summary and Approval.

This addendum is to be incorporated into the bidder's proposal for this project. AASHTOWare Project Bids files should be updated by downloading the addendum file from the Bid Express on-line bidding exchange at <http://www.bidx.com/> and load it into the AASHTOWare Project Bids program.



PHILLIP MURDOFF, P.E. – CONSTRUCTION SERVICES ENGINEER

80: jwj

Enclosure

PLAN ADDENDUM SUMMARY AND APPROVAL

PROJECT INFORMATION			
Project:	UGP-8-992(041)	PCN:	22277
Location:	Sheyenne Street Downtown Improvements		
Date:	11/09/2020	Lead Designer:	Kevin J. Knott
Bid Opening Date:	November 13, 2020	JOB#:	2
		Addendum#:	2

PLAN SHEET CHANGES		
Section	Sheet	Description
6	2	<ul style="list-style-type: none"> Revised Note 202-P03 REMOVAL OF AGGREGATE SURFACING AND BASE: Removal of aggregate base for streets, sidewalks, and driveways to be included in the price bid for "Subgrade Preparation-Type A."
8	1	<ul style="list-style-type: none"> Removed COMMON EXCAVATION-TYPE A bid item.
8	2-4	<ul style="list-style-type: none"> Bid items updated due to removal of bid item on Sheet 1.

CHANGES MADE TO BID ITEMS FOR JOB					
Spec	Code	Description	Unit	Previous Quantity	Revised Quantity
203	0101	COMMON EXCAVATION-TYPE A	CY	5025	0

APPROVAL

Should the revisions described above be processed as a plan addendum?

 X Yes No

Paul M. Benning
 Paul Benning, P.E. – Local Government Engineer

11/9/2020
 Date

BID ITEMS

Project: UGP-8-992(041) (PCN-22277)

Bidder must type or neatly print unit prices in numerals, make extensions for each item, and total. Do not carry unit prices further than three (3) decimal places.

Item No.	Spec No.	Code No.	Description	Unit	Approx. Quantity	Unit Price		Amount	
						\$\$\$\$	000	\$\$\$\$	00
001	103	0100	CONTRACT BOND	L SUM	1.				
002	105	0200	POTHOLE UTILITY	EA	3.				
003	201	0330	CLEARING & GRUBBING	L SUM	1.				
004	201	0370	REMOVAL OF TREES 10IN	EA	12.				
005	201	0390	REMOVAL OF TREES 30IN	EA	1.				
006	202	0108	REMOVAL OF STRUCTURE-SITE 1	L SUM	1.				
007	202	0109	REMOVAL OF STRUCTURE-SITE 2	L SUM	1.				
008	202	0110	REMOVAL OF STRUCTURE-SITE 3	L SUM	1.				
009	202	0114	REMOVAL OF CONCRETE PAVEMENT	SY	16,351.				
010	202	0130	REMOVAL OF CURB & GUTTER	LF	5,562.				
011	202	0132	REMOVAL OF BITUMINOUS SURFACING	SY	4,846.				
012	202	0173	REMOVAL OF SEWER PIPE	LF	5,343.				
013	202	0174	REMOVAL OF PIPE ALL TYPES AND SIZES	LF	1,107.				
014	202	0210	REMOVAL OF MANHOLES	EA	23.				
015	202	0230	REMOVAL OF INLETS	EA	29.				
016	202	0292	REMOVAL OF EXISTING RETAINING WALL	L SUM	1.				

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Item No.	Spec No.	Code No.	Description	Unit	Approx. Quantity	Unit Price		Amount	
						\$\$\$\$	000	\$\$\$\$	00
017	202	0312	REMOVE EXISTING FENCE	LF	66.				
018	203	0109	TOPSOIL	CY	363.				
019	203	0138	COMMON EXCAVATION-SUBCUT	CY	500.				
020	210	0212	FLOWABLE FILL	CY	50.				
021	216	0100	WATER	M GAL	181.				
022	230	0300	SUBGRADE PREPARATION-TYPE A	STA	37.500				
023	251	0300	SEEDING CLASS III	ACRE	.450				
024	253	0201	HYDRAULIC MULCH	ACRE	.890				
025	302	0050	TRAFFIC SERVICE AGGREGATE	TON	100.				
026	302	0120	AGGREGATE BASE COURSE CL 5	TON	5,960.				
027	302	9970	TYPE II PIPE BEDDING	CY	961.				
028	430	0500	COMMERCIAL GRADE HOT MIX ASPHALT	TON	943.				
029	550	0106	7IN REINF CONCRETE PAVEMENT CL AE	SY	1,022.				
030	550	0117	9IN NON-REINF CONCRETE PAVEMENT CL AE	SY	9,338.				
031	702	0100	MOBILIZATION	L SUM	1.				
032	704	0100	FLAGGING	MHR	300.				

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Item No.	Spec No.	Code No.	Description	Unit	Approx. Quantity	Unit Price		Amount	
						\$\$\$\$\$	000	\$\$\$\$\$	00
033	704	1000	TRAFFIC CONTROL SIGNS	UNIT	2,406.				
034	704	1052	TYPE III BARRICADE	EA	30.				
035	704	1054	SIDEWALK BARRICADE	EA	24.				
036	704	1056	PEDESTRIAN CHANNELIZATION	LF	500.				
037	704	1060	DELINEATOR DRUMS	EA	107.				
038	704	4011	PORTABLE CHANGEABLE MESSAGE SIGN	EA	2.				
039	708	1540	INLET PROTECTION-SPECIAL	EA	104.				
040	708	1541	REMOVE INLET PROTECTION-SPECIAL	EA	104.				
041	709	0151	GEOSYNTHETIC MATERIAL TYPE R1	SY	15,244.				
042	714	0115	PIPE CONC REINF 12IN CL III-STORM DRAIN	LF	69.				
043	714	0210	PIPE CONC REINF 15IN CL III-STORM DRAIN	LF	1,146.				
044	714	0315	PIPE CONC REINF 18IN CL III-STORM DRAIN	LF	330.				
045	714	0620	PIPE CONC REINF 24IN CL III-STORM DRAIN	LF	320.				
046	714	0870	PIPE CONC REINF 33IN CL III-STORM DRAIN	LF	11.				
047	714	0910	PIPE CONC REINF 36IN CL III-STORM DRAIN	LF	557.				
048	714	1110	PIPE CONC REINF 48IN CL III-STORM DRAIN	LF	174.				

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Item No.	Spec No.	Code No.	Description	Unit	Approx. Quantity	Unit Price		Amount	
						\$\$\$\$	000	\$\$\$\$	00
049	714	1212	PIPE CONC REINF 54IN CL III-STORM DRAIN	LF	997.				
050	714	6580	PIPE POLYETHYLENE CORR PERF 4IN DRAIN	LF	2,044.				
051	714	7033	PIPE PVC 15IN	LF	36.				
052	714	8498	CASING PIPE 18IN	LF	20.				
053	714	9696	EDGEDRAIN NON PERMEABLE BASE	LF	5,778.				
054	714	9910	FLAP GATE 18IN	EA	1.				
055	722	0100	MANHOLE 48IN	EA	9.				
056	722	0110	MANHOLE 60IN	EA	15.				
057	722	0120	MANHOLE 72IN	EA	2.				
058	722	0130	MANHOLE 84IN	EA	4.				
059	722	0140	MANHOLE 96IN	EA	9.				
060	722	0300	MANHOLE SANITARY	EA	6.				
061	722	0315	MANHOLE CASTING	EA	2.				
062	722	1100	MANHOLE RISER 48IN	LF	39.				
063	722	1110	MANHOLE RISER 60IN	LF	78.				
064	722	1120	MANHOLE RISER 72IN	LF	8.				

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Item No.	Spec No.	Code No.	Description	Unit	Approx. Quantity	Unit Price		Amount	
						\$\$\$\$\$	000	\$\$\$\$\$	00
065	722	1130	MANHOLE RISER 84IN	LF	20.600				
066	722	1140	MANHOLE RISER 96IN	LF	73.				
067	722	3297	ABANDON STORM SEWER	LF	385.				
068	722	3510	INLET-TYPE 2	EA	46.				
069	722	3520	INLET-TYPE 2 DOUBLE	EA	3.				
070	722	3701	INLET SPECIAL-TYPE 2 48IN	EA	3.				
071	722	3761	INLET SPECIAL-TYPE 2 60IN	EA	1.				
072	722	3900	INLET SLOTTED DRAIN 12IN	LF	20.				
073	722	6160	ADJUST INLET	EA	1.				
074	722	6201	ADJUST MANHOLE SPECIAL	EA	1.				
075	724	0210	FITTINGS-DUCTILE IRON	LBS	3,580.				
076	724	0270	REMOVE GATE VALVE & BOX	EA	12.				
077	724	0290	GATE VALVE & BOX 4IN	EA	1.				
078	724	0300	GATE VALVE & BOX 6IN	EA	14.				
079	724	0310	GATE VALVE & BOX 8IN	EA	10.				
080	724	0411	6IN HYDRANT	EA	3.				

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Item No.	Spec No.	Code No.	Description	Unit	Approx. Quantity	Unit Price		Amount	
						\$\$\$\$	000	\$\$\$\$	00
081	724	0430	REMOVE HYDRANT	EA	3.				
082	724	0611	WATER SERVICE LINE 1IN	LF	314.				
083	724	0621	WATER SERVICE LINE 2IN	LF	111.				
084	724	0636	WATER SERVICE LINE 6IN	LF	147.				
085	724	0670	TEMPORARY WATER SERVICE	L SUM	1.				
086	724	0790	WATERMAIN 4IN PVC	LF	81.				
087	724	0810	WATERMAIN 6IN PVC	LF	80.				
088	724	0830	WATERMAIN 8IN PVC	LF	3,499.				
089	724	0852	WATERMAIN 16IN PVC	LF	5.				
090	724	0955	WATER SERVICE CONNECTION 1IN	EA	12.				
091	724	0960	WATER SERVICE CONNECTION 2IN	EA	3.				
092	724	0970	WATER LINE CONNECTION 4IN	EA	2.				
093	724	0975	WATER LINE CONNECTION 6IN	EA	3.				
094	724	0980	WATER LINE CONNECTION 8IN	EA	2.				
095	724	1035	SPRINKLER RELOCATION	L SUM	1.				
096	724	1110	8IN SANITARY SEWER PIPE	LF	763.				

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Item No.	Spec No.	Code No.	Description	Unit	Approx. Quantity	Unit Price		Amount	
						\$\$\$\$	000	\$\$\$\$	00
097	724	6013	ABANDON VALVE BOX	EA	6.				
098	724	6031	ABANDON WATER MAIN/SERVICE LINE	LF	2,372.				
099	744	0100	POLYSTYRENE INSULATION BOARD	BD FT	1,664.				
100	748	0140	CURB & GUTTER-TYPE I	LF	490.				
101	748	0141	CURB & GUTTER-TYPE 1 SPECIAL	LF	1,061.				
102	748	0190	CURB & GUTTER-TYPE I 30IN	LF	5,548.				
103	748	0500	CURB HEADER-TYPE I	LF	540.				
104	748	0520	CURB-TYPE I	LF	153.				
105	748	1080	VALLEY GUTTER-TYPE I 48IN	SY	420.				
106	750	0030	PIGMENTED IMPRINTED CONCRETE	SY	1,665.				
107	750	0115	SIDEWALK CONCRETE 4IN	SY	478.				
108	750	0120	SIDEWALK CONCRETE 5IN REINF	SY	4,640.				
109	750	1000	DRIVEWAY CONCRETE	SY	820.				
110	750	1016	DRIVEWAY CONCRETE 6IN REINFORCED	SY	187.				
111	750	2115	DETECTABLE WARNING PANELS	SF	676.600				
112	752	0911	TEMPORARY SAFETY FENCE	LF	1,000.				

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Item No.	Spec No.	Code No.	Description	Unit	Approx. Quantity	Unit Price		Amount	
						\$\$\$\$\$	000	\$\$\$\$\$	00
113	754	0110	FLAT SHEET FOR SIGNS-TYPE XI REFL SHEETING	SF	210.600				
114	754	0112	FLAT SHEET FOR SIGNS-TYPE IV REFL SHEETING	SF	67.500				
115	754	0206	STEEL GALV POSTS-TELESCOPING PERFORATED TUBE	LF	206.				
116	754	0592	RESET SIGN PANEL	EA	1.				
117	754	1104	REMOVE SIGN FOUNDATION	EA	1.				
118	762	0112	EPOXY PVMT MK MESSAGE	SF	64.				
119	762	0113	EPOXY PVMT MK 4IN LINE	LF	1,114.				
120	762	0115	EPOXY PVMT MK 8IN LINE	LF	212.				
121	762	0117	EPOXY PVMT MK 24IN LINE	LF	34.				
122	762	0122	PREFORMED PATTERNED PVMT MK-MESSAGE(GROOVED)	SF	64.				
123	762	1250	PREFORMED THERMO PLASTIC PVMT MK 4IN LINE	LF	243.				
124	762	1280	PREFORMED THERMO PLASTIC PVMT MK MESSAGE	SF	48.				
125	762	1305	PREFORMED PATTERNED PVMT MK 4IN LINE-GROOVED	LF	5,241.				
126	762	1309	PREFORMED PATTERNED PVMT MK 8IN LINE-GROOVED	LF	201.				
127	762	1325	PREFORMED PATTERNED PVMT MK 24IN LINE-GROOVED	LF	1,541.				
128	770	0003	LIGHTING SYSTEM A	EA	1.				

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						\$\$\$\$	000	\$\$\$\$	00
129	770	9271	CUSTOM ELECTRICAL PANEL	EA	1.				
130	770	9273	SERVICE OUTLET	EA	1.				
131	770	9404	LIGHTING SYSTEM (LANDSCAPE)	L SUM	1.				
132	772	9200	IT SYSTEM	EA	1.				
133	930	9543	RETAINING WALL	SF	1,273.				
134	970	0004	LANDSCAPE INTERLOCKING BLOCK	SF	858.				
135	970	0007	LANDSCAPE PREPARATION	EA	1.				
136	970	0050	STRUCTURAL SOIL	CY	161.				
137	970	0060	PLANTING SOIL	CY	353.				
138	970	0074	WOOD MULCH	CY	43.				
139	970	0095	HERBICIDE WEED CONTROL	ACRE	.900				
140	970	0300	BENCH	EA	14.				
141	970	0320	TRASH RECEPTACLE	EA	8.				
142	970	0450	BIKE RACKS	EA	8.				
143	970	0600	CAST IRON TREE GRATES	EA	7.				
144	970	1000	TREES	EA	20.				

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	UGP-8-992(041)	6	2

NOTES

107-P02 TREE PRECAUTIONS: Use care when working near trees. Protect the trees and the root zone during construction.

1. Minimize equipment on the boulevards Use Common access points when possible.
2. Roots over 4” diameter that are cut will require an inspection by a Forestry Department Arborist or other City designated representative.
3. Cut, clean, and backfill exposed tree roots as quickly as possible to avoid drying out.
4. Avoid unnecessary grading.
5. Contact the City Forestry Department will determine the extent of the impact. Mitigate any impacts identified to the extent details by the City Forestry Department at no cost to the NDDOT.

City Forestry Department contact:

Chad Zander
(701)-433-5400
Chad.zander@westfargond.gov

108-P01 WEEKLY PLANNING & REPORTING MEETING: A weekly planning and reporting meeting is required. Provide a suitable meeting facility. Have the room approved by the Engineer.

108-P02 PUBLIC RELATIONS COORDINATOR: Provide a public relations and information coordinator. The coordinator cannot be the project superintendent or construction foreman. The coordinator should be knowledgeable in construction operations, be able to provide information for effective media releases to the City, possess written and verbal communication skills, and be able to organize productive meetings.

Provide the name, work address, and work phone number to the relevant project, community, and media personnel.

The public relations coordinator is responsible for providing the following:

1. Organizing, scheduling, and conducting the meeting specified in Note 108-P01 WEEKLY PLANNING & REPORTING MEETING.
2. Advise Melissa Richard, from the City of West Fargo, PH: of upcoming construction activities resulting in street closures and traffic detours so that City police, emergency services, schools, and other pertinent City agencies may be notified. Minimum 48 hour notice required prior to closing a road.
3. Provide necessary information for news releases and necessary drawings to the City before and during construction. News release information will inform the public on construction detour routes. Minimum 48 hour notice for press releases prior to any closure, restrictions, or detour route modification. Update news releases regarding construction activities every other week, at a minimum.
4. Be available for media interviews.

201-P01 REMOVAL OF TREES: Do not remove trees unless marked by the Engineer. Provide 48 hour advance notice to Engineer for tree marking.

201-P02 CLEARING & GRUBBING: Remove existing shrubs, bushes, wood mulch, landscaping rock, landscaping boulders, edging, landscaping fabric, & concrete edging located within the limits of construction. Coordinate with Engineer prior to removal of tree. Include all costs for removals in the price bid for “Clearing & Grubbing”. The following locations have been identified for clearing and grubbing:

1. All trees less than 8IN in diameter
2. Landscaping as indicated on plans along Sheyenne St in front of Furniture for Less (Francis First Addition Block 1 Lots 9-16)
3. Landscaping as indicated on plans along Sheyenne St in front of Choice Bank (Francis Second Addition Block 6 Lots 1-3)

202-P01 SALVAGE EXISTING FACILITIES: Salvage existing manhole castings and inlet castings. Deliver to City of West Fargo Public Works Building at 810 12th Street NW. Coordinate delivery with City of West Fargo Public Works Street Foreman Dan Birnbaum at 701-433-5400, a minimum of 24 hours in advance. All cost to complete this work will be included in the price bid for “Removal of Manhole” and “Removal of Inlet”.

202-P02 REMOVAL OF EXISTING RETAINING WALL: Remove existing retaining wall located at Sta 25+74 Rt (Shepherd of the Valley Church). Protect existing sign and foundations while removing retaining wall. Protect adjacent sidewalk ramp not indicated to be removed. If damage occurs, remove and replace all damaged sidewalk panels and repair sign at the contractor’s expense. Include all costs for labor, materials, and equipment necessary to remove retaining wall, wood mulch, and plantings in price bid for “Remove Retaining Wall.”

202-P03 REMOVAL OF AGGREGATE SURFACING AND BASE: Removal of aggregate base for streets, sidewalks, and driveways to be included in the price bid for “Subgrade Preparation-Type A”.

202-P04 REMOVAL OF SEWER PIPE: Remove existing sanitary sewer and storm sewer pipe, all types and sizes, as designated on the plans. Include all costs for labor, materials, and equipment necessary to remove existing sanitary sewer and storm sewer pipe in the price bid for “Removal of Sewer Pipe.”

202-P05 REMOVAL OF PIPE-ALL TYPES AND SIZES: At locations designated on the plans for removal of Asbestos Cement Pipe Water Main, remove and disposed of in accordance with all applicable regulations as described in SP99(20). Include all costs for labor, materials, equipment necessary to remove existing ACP in price bid for “Removal of Pipe-All Types and Sizes.”

202-P06 REMOVE EXISTING FENCE: Salvage existing fence at Sta 25+67 Rt (Shepherd of the Valley Church). Provide salvaged fence to property owner in a manner that leaves the materials undamaged and in reusable condition. Include all costs for labor, materials, and equipment necessary to salvage existing fence in the price bid for “Remove Existing Fence.”

This document was originally issued and sealed by Kevin J Knott Registration Number PE-5679, On 11/09/2020 and the original document is stored at the City of West Fargo

Estimated Quantities

Revised	11/3/2020	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
Revised	11/9/2020	ND	UGP-8-992(041)	8	1

SPEC	CODE	ITEM DESCRIPTION	UNIT	FEDERAL AID ELIGIBLE	100% CITY	DRAINAGE	TOTAL
103	0100	CONTRACT BOND	L SUM	1			1
105	0200	POTHOLE UTILITY	EA	3			3
201	0330	CLEARING & GRUBBING	L SUM	1			1
201	0370	REMOVAL OF TREES 10IN	EA	12			12
201	0390	REMOVAL OF TREES 30IN	EA	1			1
202	0108	REMOVAL OF STRUCTURE-SITE 1	L SUM	1			1
202	0109	REMOVAL OF STRUCTURE-SITE 2	L SUM	1			1
202	0110	REMOVAL OF STRUCTURE-SITE 3	L SUM	1			1
202	0114	REMOVAL OF CONCRETE PAVEMENT	SY	15456	895		16351
202	0130	REMOVAL OF CURB & GUTTER	LF	4308	1254		5562
202	0132	REMOVAL OF BITUMINOUS SURFACING	SY	2670	2176		4846
202	0173	REMOVAL OF SEWER PIPE	LF	5343			5343
202	0174	REMOVAL OF PIPE ALL TYPES AND SIZES	LF	1107			1107
202	0210	REMOVAL OF MANHOLES	EA	23			23
202	0230	REMOVAL OF INLETS	EA	29			29
202	0292	REMOVAL OF EXISTING RETAINING WALL	L SUM	1			1
202	0312	REMOVE EXISTING FENCE	LF	66			66
203	0109	TOPSOIL	CY	234	129		363
203	0138	COMMON EXCAVATION-SUBCUT	CY	500			500
210	0212	FLOWABLE FILL	CY	50			50
216	0100	WATER	M GAL	181			181
230	0300	SUBGRADE PREPARATION-TYPE A	STA	30.1	7.4		37.5
251	0300	SEEDING CLASS III	ACRE	0.29	0.16		0.45
253	0201	HYDRAULIC MULCH	ACRE	0.57	0.32		0.89
302	0050	TRAFFIC SERVICE AGGREGATE	TON	100			100
302	0120	AGGREGATE BASE COURSE CL 5	TON	4913	1047		5960
302	9970	TYPE II PIPE BEDDING	CY		332	629	961
430	0500	COMMERCIAL GRADE HOT MIX ASPHALT	TON	509	434		943
550	0106	7IN REINF CONCRETE PAVEMENT CL AE	SY	799	223		1022
550	0117	9IN NON-REINF CONCRETE PAVEMENT CL AE	SY	8442	896		9338
702	0100	MOBILIZATION	L SUM	1			1
704	0100	FLAGGING	MHR	300			300
704	1000	TRAFFIC CONTROL SIGNS	UNIT	2406			2406
704	1052	TYPE III BARRICADE	EA	30			30
704	1054	SIDEWALK BARRICADE	EA	24			24
704	1056	PEDESTRIAN CHANNELIZATION	LF	500			500
704	1060	DELINEATOR DRUMS	EA	107			107
704	4011	PORTABLE CHANGEABLE MESSAGE SIGN	EA	2			2
708	1540	INLET PROTECTION - SPECIAL	EA	104			104
708	1541	REMOVE INLET PROTECTION - SPECIAL	EA	104			104
709	0151	GEOSYNTHETIC MATERIAL TYPE R1	SY	11059	4185		15244
714	0115	PIPE CONC REINF 12IN CL III-STORM DRAIN	LF	69			69
714	0210	PIPE CONC REINF 15IN CL III-STORM DRAIN	LF	1146			1146
714	0315	PIPE CONC REINF 18IN CL III-STORM DRAIN	LF			330	330
714	0620	PIPE CONC REINF 24IN CL III-STORM DRAIN	LF			320	320
714	0870	PIPE CONC REINF 33IN CL III-STORM DRAIN	LF			11	11
714	0910	PIPE CONC REINF 36IN CL III-STORM DRAIN	LF			557	557

Estimated Quantities

Revised 11/3/2020	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
Revised 11/9/2020	ND	UGP-8-992(041)	8	2

SPEC	CODE	ITEM DESCRIPTION	UNIT	FEDERAL AID ELIGIBLE	100% CITY	DRAINAGE	TOTAL
714	1110	PIPE CONC REINF 48IN CL III-STORM DRAIN	LF			174	174
714	1212	PIPE CONC REINF 54IN CL III-STORM DRAIN	LF			997	997
714	6580	PIPE POLYETHYLENE CORR PERF 4IN DRAIN	LF	2044			2044
714	7033	PIPE PVC 15IN	LF	36			36
714	8498	CASING PIPE 18IN	LF		20		20
714	9696	EDGEDRAIN NON PERMEABLE BASE	LF	4060	1718		5778
714	9910	FLAP GATE 18IN	EA	1			1
722	0100	MANHOLE 48IN	EA	9			9
722	0110	MANHOLE 60IN	EA	15			15
722	0120	MANHOLE 72IN	EA	2			2
722	0130	MANHOLE 84IN	EA	4			4
722	0140	MANHOLE 96IN	EA	9			9
722	0300	MANHOLE SANITARY	EA		6		6
722	0315	MANHOLE CASTING	EA	2			2
722	1100	MANHOLE RISER 48IN	LF	39			39
722	1110	MANHOLE RISER 60IN	LF	78			78
722	1120	MANHOLE RISER 72IN	LF	8			8
722	1130	MANHOLE RISER 84IN	LF	20.6			20.6
722	1140	MANHOLE RISER 96IN	LF	73			73
722	3297	ABANDON STORM SEWER	LF	385			385
722	3510	INLET-TYPE 2	EA	46			46
722	3520	INLET-TYPE 2 DOUBLE	EA	3			3
722	3701	INLET SPECIAL-TYPE 2 48IN	EA	3			3
722	3761	INLET SPECIAL-TYPE 2 60IN	EA	1			1
722	3900	INLET SLOTTED DRAIN 12IN	LF	20			20
722	6160	ADJUST INLET	EA	1			1
722	6201	ADJUST MANHOLE SPECIAL	EA	1			1
724	0210	FITTINGS-DUCTILE IRON	LBS		3580		3580
724	0270	REMOVE GATE VALVE & BOX	EA	12			12
724	0290	GATE VALVE & BOX 4IN	EA		1		1
724	0300	GATE VALVE & BOX 6IN	EA		14		14
724	0310	GATE VALVE & BOX 8IN	EA		10		10
724	0411	6IN HYDRANT	EA		3		3
724	0430	REMOVE HYDRANT	EA	3			3
724	0611	WATER SERVICE LINE 1IN	LF		314		314
724	0621	WATER SERVICE LINE 2IN	LF		111		111
724	0636	WATER SERVICE LINE 6IN	LF		147		147
724	0670	TEMPORARY WATER SERVICE	L SUM		1		1
724	0790	WATERMAIN 4IN PVC	LF		81		81
724	0810	WATERMAIN 6IN PVC	LF		80		80
724	0830	WATERMAIN 8IN PVC	LF		3499		3499
724	0852	WATERMAIN 16IN PVC	LF		5		5
724	0955	WATER SERVICE CONNECTION 1IN	EA		12		12
724	0960	WATER SERVICE CONNECTION 2IN	EA		3		3
724	0970	WATER LINE CONNECTION 4IN	EA		2		2
724	0975	WATER LINE CONNECTION 6IN	EA		3		3
724	0980	WATER LINE CONNECTION 8IN	EA		2		2

Estimated Quantities

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SPEC	CODE	ITEM DESCRIPTION	UNIT	FEDERAL AID ELIGIBLE	100% CITY	DRAINAGE	TOTAL
724	1035	SPRINKLER RELOCATION	L SUM	1			1
724	1110	8IN SANITARY SEWER PIPE	LF		763		763
724	6013	ABANDON VALVE BOX	EA	6			6
724	6031	ABANDON WATER MAIN/SERVICE LINE	LF	2372			2372
744	0100	POLYSTYRENE INSULATION BOARD	BD FT		1664		1664
748	0140	CURB & GUTTER-TYPE I	LF	433	57		490
748	0141	CURB & GUTTER-TYPE 1 SPECIAL	LF	1061			1061
748	0190	CURB & GUTTER-TYPE I 30IN	LF	4318	1230		5548
748	0500	CURB HEADER-TYPE I	LF	540			540
748	0520	CURB-TYPE I	LF	139	14		153
748	1080	VALLEY GUTTER-TYPE I 48IN	SY	293	127		420
750	0030	PIGMENTED IMPRINTED CONCRETE	SY	1414	251		1665
750	0115	SIDEWALK CONCRETE 4IN	SY	294	184		478
750	0120	SIDEWALK CONCRETE 5IN REINF	SY	4515	125		4640
750	1000	DRIVEWAY CONCRETE	SY	654	166		820
750	1016	DRIVEWAY CONCRETE 6IN REINFORCED	SY	62	125		187
750	2115	DETECTABLE WARNING PANELS	SF	632.6	44		676.6
752	0911	TEMPORARY SAFETY FENCE	LF	1000			1000
754	0110	FLAT SHEET FOR SIGNS-TYPE XI REFL SHEETING	SF	209.1	1.5		210.6
754	0112	FLAT SHEET FOR SIGNS-TYPE IV REFL SHEETING	SF	67.5			67.5
754	0206	STEEL GALV POSTS-TELESCOPING PERFORATED TUBE	LF	193	13		206
754	0592	RESET SIGN PANEL	EA	1			1
754	1104	REMOVE SIGN FOUNDATION	EA	1			1
762	0112	EPOXY PVMT MK MESSAGE	SF	64			64
762	0113	EPOXY PVMT MK 4IN LINE	LF	1114			1114
762	0115	EPOXY PVMT MK 8IN LINE	LF	212			212
762	0117	EPOXY PVMT MK 24IN LINE	LF	34			34
762	0122	PREFORMED PATTERNED PVMT MK-MESSAGE(GROOVED)	SF	64			64
762	1250	PREFORMED THERMO PLASTIC PVMT MK 4IN LINE	LF	243			243
762	1280	PREFORMED THERMO PLASTIC PVMT MK MESSAGE	SF	48			48
762	1305	PREFORMED PATTERNED PVMT MK 4IN LINE-GROOVED	LF	4901	340		5241
762	1309	PREFORMED PATTERNED PVMT MK 8IN LINE-GROOVED	LF	201			201
762	1325	PREFORMED PATTERNED PVMT MK 24IN LINE-GROOVED	LF	1541			1541
770	0003	LIGHTING SYSTEM A	EA	1			1
770	9271	CUSTOM ELECTRICAL PANEL	EA	1			1
770	9273	SERVICE OUTLET	EA	1			1
770	9404	LIGHTING SYSTEM (LANDSCAPE)	L SUM	1			1
772	9200	IT SYSTEM	EA	1			1
930	9543	RETAINING WALL	SF	1273			1273
970	0004	LANDSCAPE INTERLOCKING BLOCK	SF	858			858
970	0007	LANDSCAPE PREPARATION	EA	1			1
970	0050	STRUCTURAL SOIL	CY		161		161
970	0060	PLANTING SOIL	CY	353			353
970	0074	WOOD MULCH	CY	43			43
970	0095	HERBICIDE WEED CONTROL	ACRE	0.58	0.32		0.9
970	0300	BENCH	EA	14			14
970	0320	TRASH RECEPTACLE	EA	8			8

Estimated Quantities

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SPEC	CODE	ITEM DESCRIPTION	UNIT	FEDERAL AID ELIGIBLE	100% CITY	DRAINAGE	TOTAL
970	0450	BIKE RACKS	EA	8			8
970	0600	CAST IRON TREE GRATES	EA	7			7
970	1000	TREES	EA	20			20
970	1012	SHRUBS GROUP A	EA	27			27
970	1025	REPLANT TREES	EA	1			1
970	1030	PERENNIALS GROUP A	EA	1033			1033
990	0221	GUARD POST-REMOVABLE	EA	6			6