

SUMMARY OF QUANTITIES

PROJECT NO. 472-85435

DATE JULY 2019

SCALE NTS

DESIGNED DRAWN CHECKED
JRA RAM JRA

NO.	REVISION	DATE

SHEET NO.
31 OF 48

RECAPITULATION OF QUANTITIES			
ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT
Lump Sum Bid Items - Paving			
1	Field Office and Laboratory (Type A)	1	LS
2	Mobilization	1	LS
3	Removal of Existing Structures	1	LS
4	Transport of Salvaged Materials	1	LS
5	Site Clearing	1	LS
6	Site Restoration	1	LS
7	Crushed Rock Base 7", Reinforced	492	sy
Lump Sum Bid Items - Bridge			
8	Pipe, SWS, RCBC (3-12" x 5')	54	lf
9	Handrail	126	lf
Lump Sum Bid Items - Roadside Improvement			
10	Sodding, Buffalo	1	LS
Lump Sum Bid Items - Traffic			
11	Traffic Control	1	LS
Measured Quantity Bid Items - Paving			
12	Pavement &/or Curb Removed	465	sy
13	Sidewalk, Drive, &/or Pkg Lot Removed	93	sy
14	Concrete Pavement 8" (Reinf.)	413	sy
15	Concrete C & G, Type 1 (6" & 1-1/2")	187	lf
16	Concrete Curb, Mono Edge (6" & 1-1/2")	49	lf
17	Concrete Curb, Mono Edge, Removed & Replaced	40	lf
18	Concrete Sidewalk 4"	958	sf
19	Wheelchair Ramp w/ Detectable Warnings	4	ea
20	Pipe Removed	50	ea
21	Pipe, Cut and Cap	2	ea
Measured Quantity Bid Items - Storm Sewer			
22	Inlet, Curb (Type 1, Special)(L=10' W=3')	6	ea
23	Inlet, Curb (Type 1)(L=10' W=3')	3	ea
24	Inlet Hookup	9	ea
25	Pipe, SWS, RCP 18"	60	lf
26	Pipe, SWS, HERCP (14"x23")(18)	29	lf
27	Pipe, SWS, RCP 24"	43	lf
28	Pipe, SWS, PVC 4", Perforated	100	lf
29	MH, Shallow SWS (4')	1	ea
Measured Quantity Bid Items - Erosion Control			
30	BMP, Back of Curb Protection	205	lf
31	BMP, Construction Entrance	2	ea
32	BMP, Curb Inlet Protection	9	ea
33	BMP, Silt Fence	231	lf
Measured Quantity Bid Items - Roadside Improvement			
34	Riprap, Light Stone	389	sy
Measured Quantity Bid Items - Traffic			
35	Signing, Elec. Portable Message (each per day)	40	ea/day

ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT
Measured Quantity Bid Items - Add Alternate			
1	Concrete Pavement Removed & Replaced	31	lf
2	Inlet, Curb (Type 1)(L=10' W=3')	1	ea
3	Inlet Hookup	1	ea
4	Pipe, SWS, RCP 18"	36	lf
5	Pipe, SWS, PVC 4", Perforated	20	lf
6	Fill, Sand (Flushed & Vibrated)	36	lf
7	BMP, Curb Inlet Protection	1	ea

PIPE REMOVED				
Location	Side	Pipe Removed (lf)	Pipe, Cut, and Cap (ea)	Remarks
9+75.00 to 10+25.00	Lt.	50.0' of 8" Water Line	2	
Totals		50.0	2	

SIDEWALK CONSTRUCTION				
Station to Station	Side	Concrete Sidewalk 4" (sf)	Wheelchair Ramp w/ Detectable Warnings (ea)	Remarks
9+45.20 to 10+55.33	Rt.	461.7	2	
9+48.03 to 10+55.04	Lt.	495.6	2	
Totals		957.3	4	

RECAPITULATION OF QUANTITIES			
ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT
Measured Quantity Bid Items - Sanitary Sewer			
1	Pipe, SS 15"	168	lf
2	Pipe, Casing (24" ID Min.)	50	lf
3	MH, Standard SS (5'), Lined	1	ea
4	MH, Standard SS (5') Doghouse, Lined	1	ea
5	MH, Bench & Invert, Removed & Replaced	2	ea
6	MH, Line Existing	2	ea
7	MH, Plug Existing	2	ea
8	MH, Connect to Existing	1	ea
9	MH, Joint Wrap	76	lf
10	MH Frame and Cover, Replaced	2	ea
11	Air Testing, SS Pipe	165	lf
12	Pipe, Abandon In Place	90	lf
13	Fill, Flowable	36	lf

PAVEMENT				
Station to Station	Side	Concrete Pavement 8" (5" Reinf.) (sy)	Crushed Rock Base 7", Reinforced (sy)	Remarks
9+47.31 to 10+70.25	C/L	412.8	491.4	
Totals		412.8	491.4	

CONCRETE CURB AND GUTTER					
Station to Station	Side	Concrete C&G, Type 1 (6" & 1-1/2") (lf)	Concrete Curb, Mono Edge (6" & 1-1/2") (lf)	Concrete Curb, Mono Edge, Removed & Replaced (lf)	Remarks
9+45.20 to 9+60.55	Rt.		25.4		
9+48.03 to 9+60.53	Lt.			12.1	
9+60.53 to 10+39.83	Lt.	79.3			
9+60.55 to 10+40.21	Rt.	79.7			
10+39.83 to 10+55.04	Lt.			27.1	
10+40.21 to 10+55.33	Rt.		23.3		
10+55.33 to 10+54.97	Rt.	27.7			
Totals		186.7	48.7	39.2	

EARTHWORK					
Station to Station	EXCAVATION ITEMS			Fill, Compacted (95% Density) (cy)	Remarks
	Pavement and/or Curb Removed Δ (sy)	Sidewalk, Drive, and/or Pkg Lot Removed (sy)	Common Excavation (cy)		
9+47.31 to 10+70.25	464.10	92.8			
Totals		464.1	92.8	0.0	

* Includes all sidewalk, ramps, driveways, bus pads and all pavement on private property.
Δ Pavement removed is calculated using 6" pavement thickness. Thicknesses may vary.

STORM SEWER PIPE AND STRUCTURES																	
Location	Side	Inlet, Curb (Type 1, Special)(L=10' W=3') (ea)	Inlet, Curb (Type 1)(L=10' W=3') (ea)	MH, Shallow SWS (4') (ea)	Inlet Hook-up (ea)	Pipe, SWS, 18" RCP (lf)	Pipe, SWS, HERCP (14"x23") (18") (lf)	Pipe, SWS, 24" RCP (lf)	Pipe, End Section 18" Ψ (ea)	Pipe, End Section 24" Ψ (ea)	Pipe SWS, PVC 4", Perforated (lf)	Bid as an Alternate					Remarks
												Inlet, Curb (Type 1)(L=10' W=3') (ea)	Pipe, SWS, 18" RCP (lf)	Pipe SWS PVC 4", Perforated (lf)	Inlet Hook-up (ea)	Fill, Sand (Flushed & Vibrated) (lf)	
Line 1			1		1	45.5			1		20.0						
Line 2			1		1			43.0		1	20.0	1	35.1	20.0	1	35.1	31.0
Line 3			1	1	1	14.0	28.2		1		20.0						
9+87.25	16.90' Lt.	1			1						10.0						
98+87.25	16.20' Rt.	1			1						10.0						
10+00.00	16.90' Lt.	1			1												
10+00.00	16.20' Rt.	1			1												
10+12.75	16.90' Lt.	1			1						10.0						
10+12.75	16.20' Rt.	1			1						10.0						
Totals		6	3	1	9	59.5	28.2	43.0	2	1	100	1	35.1	20.0	1	35.1	31.0

Ψ End Sections are not paid for separately but included in the price for pipe.

SANITARY SEWER															
Location	Side	Pipe, SS 15" (lf)	Pipe, Casing (24" ID Min.) (lf)	MH, Standard SS (5'), Lined (ea)	MH, Standard SS (5') Doghouse, Lined (ea)	MH, Bench & Invert, Removed & Replaced (ea)	MH, Line Existing (ea)	MH, Plug Existing (ea)	MH, Connect to Existing (ea)	MH, Joint Wrap (lf)	MH, Frame and Cover, Replaced (ea)	Air Testing, SS Pipe (lf)	Pipe, Abandoned In-Place (lf)	Fill, Flowable (lf)	Remarks
Line 1		167.1	50.0	1	1	2	2	2	1	76.0	2	164.6	90.0	35.2	
Totals		167.1	50.0	1	1	2	2	2	1	76.0	2	164.6	90.0	35.2	

For Erosion Control Summary of Quantities, see sheet 32.
For Roadside Improvement Summary of Quantities, see sheet 38.

J:\PROJECTS\2018\1801010315_COW_2ND ST. BRIDGE AT BROOKSIDE\180315 CAD\SHS\SWS CIVIL\QUANTITIES\SUMMARY OF QUANTITIES.DWG

PLOTED: Friday, July 26, 2019 @ 02:11PM