

Project Summary -

Reconstruction of approximately 3,600 feet of roadway including 600 feet of Unadilla Street east of Pond Street, Pond Street from Unadilla to Hamburg, and Hamburg Street from Webb Street to the dead end east of Pond. Intersections will be widened and curb and gutter and ADA sidewalk ramps and sidewalk will be added to both sides of all three streets. New asphalt will be placed on all streets. 2 foot wide gravel shoulders will be placed in areas without curb and gutter. Ditch lines will be improved and new culverts will be installed. Water main and storm sewer will be added and existing clay sanitary sewer mains will be lined with cured-in-place liners. Water services will be provided to the right-of-way line on all properties fronting on the project not currently served with public water.

Contract: 21-0084 - Village of Pinckney NW Quadrant Water Main Extension
 Value Engineering Option incl. items discussed at the Sewer/Water & Street/Sidewalk Cmte. Mtg 2022-08-23

Category: 0001, Road/Storm

Prop. Line	Item Code	Item Description	Quantity	Unit	Unit Price	Total Price
0001	2020002	Tree, Rem, 19 inch to 36 inch	3	Ea	\$ 1,000.00	\$ 3,000.00
0002	2020003	Tree, Rem, 37 inch or Larger	1	Ea	\$ 4,000.00	\$ 4,000.00
0003	2020004	Tree, Rem, 6 inch to 18 inch	13	Ea	\$ 500.00	\$ 6,500.00
0004	2030001	Culv, Rem, Less than 24 inch	13	Ea	\$ 375.00	\$ 4,875.00
0005	2050041	Subgrade Undercutting, Type II	100	Cyd	\$ 50.00	\$ 5,000.00
0006	3070126	Shld, CI II, 4 inch	900	Syd	\$ 9.00	\$ 8,100.00
0007	3080010	Geotextile, Stabilization	500	Syd	\$ 5.00	\$ 2,500.00
0008	4010053	Culv End Sect, Conc, 36 inch	1	Ea	\$ 2,500.00	\$ 2,500.00
0009	4010607	Culv, CI F, 12 inch	650	Ft	\$ 55.00	\$ 35,750.00
0010	4020987	Sewer, CI IV, 12 inch, Tr Det B	122	Ft	\$ 80.00	\$ 9,760.00
0011	4020988	Sewer, CI IV, 30 inch, Tr Det B	44	Ft	\$ 75.00	\$ 3,300.00
0012	4020989	Sewer, CI IV, 36 inch, Tr Det B	699	Ft	\$ 100.00	\$ 69,900.00
0013	4030006	Dr Structure Cover, Adj, Case 2	1	Ea	\$ 500.00	\$ 500.00
0014	4030010	Dr Structure Cover, Type B	4	Ea	\$ 600.00	\$ 2,400.00
0015	4030050	Dr Structure Cover, Type K	4	Ea	\$ 800.00	\$ 3,200.00
0016	4037050	Dr Structure Cover, Adj, Case 1, HMA	8	Ea	\$ 700.00	\$ 5,600.00
0017	4037050	Dr Structure, 48 inch dia, Modified	1	Ea	\$ 2,500.00	\$ 2,500.00
0018	4037050	Dr Structure, 60 inch dia, Modified	2	Ea	\$ 5,000.00	\$ 10,000.00
0019	4037050	Dr Structure, 84 inch dia, Modified	1	Ea	\$ 8,000.00	\$ 8,000.00
0020	4037050	Dr Structure, Storm CB, 48 inch dia	4	Ea	\$ 2,500.00	\$ 10,000.00
0021	8027001	Curb and Gutter, Conc, Det F4, Modified	1600	Ft	\$ 17.50	\$ 28,000.00
0022	8027001	Driveway Opening, Conc, Det M, Modified	60	Ft	\$ 20.00	\$ 1,200.00
0023	8030030	Curb Ramp Opening, Conc	171	Ft	\$ 17.50	\$ 2,992.50
0024	8037001	Detectable Warning Surface, Metal	155	Ft	\$ 85.00	\$ 13,175.00
0025	8037010	Curb Ramp, Conc, 7 inch, Modified	2000	Sft	\$ 6.00	\$ 12,000.00
0026	8037010	Sidewalk, Conc, 4 inch, Modified	23500	Sft	\$ 3.70	\$ 86,950.00
0027	8037010	Sidewalk, Conc, 6 inch, Modified	4300	Sft	\$ 4.70	\$ 20,210.00
0028	8187051	Trace Wire and Locator Tape	1	LSUM	\$ 10,000.00	\$ 10,000.00
						\$ 371,912.50

Category: 0002, Sanitary Sewer

Prop. Line	Item Code	Item Description	Quantity	Unit	Unit Price	Total Price
0029	4030065	Dr Structure Cover, Type Q	5	Ea	\$ 700.00	\$ 3,500.00
0030	8252146	Sanitary Structure Cover, Adj, Case 2	6	Ea	\$ 800.00	\$ 4,800.00
0031	8257001	Sanitary Sewer, CIPP Liner, 8 inch	2195	Ft	\$ 75.00	\$ 164,625.00
0032	8257050	Sanitary Structure Cover, Adj, Case 1, HMA	4	Ea	\$ 1,000.00	\$ 4,000.00
						\$ 176,925.00

Category: 0003, Water (Shared with the Means)

Prop. Line	Item Code	Item Description	Quantity	Unit	Unit Price	Total Price
0033	8187051	Trace Wire and Locator Tape	1	LSUM	\$ 10,000.00	\$ 10,000.00
0034	8237001	Water Main, DI, PVC, or PVCO, 12 inch, Tr Det, G	2432	Ft	\$ 125.00	\$ 304,000.00
0035	8237001	Water Main, Directional Bore, 12 inch	350	Ft	\$ 150.00	\$ 52,500.00
0036	8237050	Fire Hydrant Assembly	9	Ea	\$ 6,500.00	\$ 58,500.00
0037	8237050	Gate Valve and Box, 12 inch, Modified	13	Ea	\$ 4,000.00	\$ 52,000.00
0038	8237050	Water Main, Connect to Existing, 12 inch	1	Ea	\$ 5,000.00	\$ 5,000.00
						\$ 482,000.00

Category: 0004, Water (Village of Pinckney Only)

Prop. Line	Item Code	Item Description	Quantity	Unit	Unit Price	Total Price
0039	8237001	Water Main, DI, PVC, or PVCO, 8 inch, Tr Det, G	541	Ft	\$ 125.00	\$ 67,625.00
0040	8237050	Gate Valve and Box, 8 inch, Modified	7	Ea	\$ 3,000.00	\$ 21,000.00
0041	8237050	Water Serv, 1 inch, Tr Det B	23	Ea	\$ 2,000.00	\$ 46,000.00
0042	8237050	Water Serv, Long, 1 inch, Tr Det B	18	Ea	\$ 2,800.00	\$ 50,400.00
						\$ 185,025.00

Category: 0005, Miscellaneous Shared

Prop. Line	Item Code	Item Description	Quantity	Unit	Unit Price	Total Price
0043	1047051	Property Owner Notification	1	LSUM	\$ 1,000.00	\$ 1,000.00
0044	1077051	Audio-Visual Recording	1	LSUM	\$ 2,000.00	\$ 2,000.00
0045	1100001	Mobilization, Max	1	LSUM	\$ 229,000.00	\$ 229,000.00
0046	2040050	Pavt, Rem	550	Syd	\$ 15.00	\$ 8,250.00
0047	2040055	Sidewalk, Rem	500	Syd	\$ 12.00	\$ 6,000.00
0048	2047001	Exploratory Investigation, Vertical	100	Ft	\$ 50.00	\$ 5,000.00
0049	2047050	Relocating Mailboxes	21	Ea	\$ 200.00	\$ 4,200.00
0050	2047051	Miscellaneous Materials, Rem	1	LSUM	\$ 2,000.00	\$ 2,000.00
0051	2057002	Machine Grading, Modified	36	Sta	\$ 5,000.00	\$ 180,000.00
0052	2080036	Erosion Control, Silt Fence	500	Ft	\$ 3.00	\$ 1,500.00
0053	2087050	Erosion Control, Inlet Protection, Fabric Drop, Modified	16	Ea	\$ 100.00	\$ 1,600.00
0054	2087051	Temporary Erosion and Sediment Control	1	LSUM	\$ 5,000.00	\$ 5,000.00
0055	2090001	Project Cleanup	1	LSUM	\$ 2,500.00	\$ 2,500.00
0056	3010002	Subbase, CIP	1900	Cyd	\$ 24.00	\$ 45,600.00
0057	3020020	Aggregate Base, 8 inch	11250	Syd	\$ 15.00	\$ 168,750.00
0058	4027001	Sewer Cleaning, 12-36 inch	3747	Ft	\$ 1.50	\$ 5,620.50
0059	5010005	HMA Surface, Rem	9300	Syd	\$ 2.50	\$ 23,250.00
0060	5010033	HMA, 13A	2400	Ton	\$ 88.00	\$ 211,200.00
0061	6030090	Saw Cut, Intermediate	250	Ft	\$ 5.00	\$ 1,250.00
0062	8017011	Driveway, Nonreinf Conc, 6 inch, Modified	1250	Syd	\$ 42.00	\$ 52,500.00
0063	8070095	Post, Mailbox	21	Ea	\$ 200.00	\$ 4,200.00
0064	8110093	Pavt Mrkg, Polyurea, 6 inch, Crosswalk	1100	Ft	\$ 3.00	\$ 3,300.00
0065	8110114	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	135	Ft	\$ 16.00	\$ 2,160.00
0066	8110451	Recessing Pavt Mrkg, Transv	820	Sft	\$ 3.00	\$ 2,460.00
0067	8120012	Barricade, Type III, High Intensity, Double Sided, Lighted	6	Ea	\$ 100.00	\$ 600.00
0068	8120013	Barricade, Type III, High Intensity, Double Sided, Lighted	6	Ea	\$ 10.00	\$ 60.00
0069	8120026	Pedestrian Type II Barricade, Temp	2	Ea	\$ 125.00	\$ 250.00
0070	8120035	Channelizing Device, 42 inch, Fluorescent, Furn	50	Ea	\$ 25.00	\$ 1,250.00
0071	8120036	Channelizing Device, 42 inch, Fluorescent, Oper	50	Ea	\$ 3.50	\$ 175.00
0072	8120100	Dust Palliative, Applied	25	Ton	\$ 100.00	\$ 2,500.00
0073	8120170	Minor Traf Devices	1	LSUM	\$ 20,000.00	\$ 20,000.00
0074	8167011	Turf Establishment, Performance	7700	Syd	\$ 5.00	\$ 38,500.00
0075	8167011	Mulch Blanket, Modified	500	Syd	\$ 1.50	\$ 750.00
						\$ 1,032,425.50

Construction Total = \$ 2,248,288.00

Percentage Allocation of Miscellaneous Shared Items by Enterprise Fund	Construction Cost per Enterprise Fund	25% Engineering & Contingencies	Project Cost per Enterprise Fund	Estimated Project Percentage per Enterprise Fund	
Road/Storm	33.33%	\$716,054.33	\$ 179,013.58	\$ 895,067.92	31.85%
Sanitary Sewer	33.33%	\$521,066.83	\$ 130,266.71	\$ 651,333.54	23.18%
Water (Shared with the Means)	24.09%	\$730,680.88	\$ 182,670.22	\$ 913,351.10	
Water (Village of Pinckney Only)	9.25%	\$280,485.95	\$ 70,121.49	\$ 350,607.44	44.97%
	Total =	\$2,248,288.00	\$ 562,072.00	\$ 2,810,360.00	100.00%

Proposed Means Contribution to Water * \$ 590,953.26

* Cost of water related items allocated to The Means project based on feet of pipe (1,800 feet along M-36 and 2,782 feet along Unadilla and Hamburg)