



County of Roanoke

Finance Department - Purchasing Division

Dawn Rago, Buyer

Office Address: 5204 Bernard Drive Suite 300-F | Roanoke, Virginia | 24018
 Mail Address: P O Box 29800 | Roanoke, Virginia | 24018-0798
 (540) 283-8150 | drago@roanokecountyva.gov

IFB 2020-082 Plantation Road Improvements Phase No. 2

February 16, 2021 at 2:00 PM

Item No.	VDOT Spec.	Description	Unit	Estimated Quantity	Allegheny Construction		E. C. Pace Company	
					Bid Unit Price	Bid Price	Bid Unit Price	Bid Price
1	513	Mobilization	LS	1	\$ 90,000.00	\$ 90,000.00	\$ 63,063.00	\$ 63,063.00
2	303	Grading	LS	1	\$ 150,000.00	\$ 150,000.00	\$ 318,754.00	\$ 318,754.00
3		Storm Sewer Pipes						
3a	302	Concrete Storm Sewer Pipe - 15-inch	LF	165	\$ 135.00	\$ 22,275.00	\$ 136.00	\$ 22,440.00
3b	302	Concrete Storm Sewer Pipe - 18-inch	LF	58	\$ 400.00	\$ 23,200.00	\$ 144.00	\$ 8,352.00
3c	302	Concrete Storm Sewer Pipe - 24-inch	LF	126	\$ 170.00	\$ 21,420.00	\$ 151.00	\$ 19,026.00
3d	302	Concrete Storm Sewer Pipe - 30-inch	LF	170	\$ 188.00	\$ 31,960.00	\$ 172.00	\$ 29,240.00
3e	302	Storm Sewer Pipe - 48-inch	LF	100	\$ 210.00	\$ 21,000.00	\$ 322.00	\$ 32,200.00
3f	302	Storm Sewer Pipe - 10-inch HDPE	LF	8	\$ 115.00	\$ 920.00	\$ 140.00	\$ 1,120.00
4		Drop Inlets and End Section						
4a	302	Drop Inlet DI-1	EA	1	\$ 8,300.00	\$ 8,300.00	\$ 4,371.00	\$ 4,371.00
4b	302	Drop Inlet DI-2B, L= 8 feet	EA	1	\$ 8,000.00	\$ 8,000.00	\$ 11,786.00	\$ 11,786.00
4c	302	Drop Inlet DI-2C, L= 6 feet	EA	1	\$ 7,500.00	\$ 7,500.00	\$ 10,420.00	\$ 10,420.00
4d	302	Drop Inlet DI-2B, L= 6 feet	EA	2	\$ 9,200.00	\$ 18,400.00	\$ 7,798.00	\$ 15,596.00
4e	302	Drop Inlet DI-3B, L= 8 feet	EA	2	\$ 7,200.00	\$ 14,400.00	\$ 5,126.00	\$ 10,252.00
4f	302	Drop Inlet DI-3CC, L= 6 feet	EA	1	\$ 11,800.00	\$ 11,800.00	\$ 7,165.00	\$ 7,165.00
4g	302	Modified DI-3B Top Unit, L=8 feet	EA	1	\$ 8,300.00	\$ 8,300.00	\$ 3,225.00	\$ 3,225.00
4h	302	End Section 24"	EA	1	\$ 1,300.00	\$ 1,300.00	\$ 2,130.00	\$ 2,130.00
4i	302	Modify Existing Structure	EA	6	\$ 6,000.00	\$ 36,000.00	\$ 3,261.00	\$ 19,566.00
5	302	Storm Sewer Manhole MH-1 or MH-2	VLF	32	\$ 1,300.00	\$ 41,600.00	\$ 1,000.00	\$ 32,000.00
6	302	Frame and Cover for Storm System Manholes	EA	12	\$ 830.00	\$ 9,960.00	\$ 548.00	\$ 6,576.00
7		Water Main and Fittings						
7a	WVWA	6-inch DI Water Main	LF	61	\$ 135.00	\$ 8,235.00	\$ 419.00	\$ 25,559.00
7b	WVWA	8-inch DI Water Main	LF	109	\$ 140.00	\$ 15,260.00	\$ 274.00	\$ 29,866.00
7c	WVWA	12-inch DI Water Main	LF	987	\$ 170.00	\$ 167,790.00	\$ 117.00	\$ 115,479.00
8		Gate Valve and Vault						
8a	WVWA	6-inch Diameter Gate Valve and Vault	EA	2	\$ 2,100.00	\$ 4,200.00	\$ 1,853.00	\$ 3,706.00
8b	WVWA	8-inch Diameter Gate Valve and Vault	EA	2	\$ 2,700.00	\$ 5,400.00	\$ 3,158.00	\$ 6,316.00
8c	WVWA	12-inch Diameter Gate Valve and Vault	EA	4	\$ 4,000.00	\$ 16,000.00	\$ 4,575.00	\$ 18,300.00
9	WVWA	Fire Hydrant Assembly	EA	2	\$ 4,400.00	\$ 8,800.00	\$ 5,216.00	\$ 10,432.00
10	WVWA	1-inch Water Service Line	LF	40	\$ 165.00	\$ 6,600.00	\$ 110.00	\$ 4,400.00
11	WVWA	Connect to Existing Water Main	EA	6	\$ 2,800.00	\$ 16,800.00	\$ 3,614.00	\$ 21,684.00
12	WVWA	Sanitary Collection Sewer	LF	147	\$ 450.00	\$ 66,150.00	\$ 243.00	\$ 35,721.00
13	WVWA	Sanitary Sewer Manhole	VLF	34	\$ 1,000.00	\$ 34,000.00	\$ 471.00	\$ 16,014.00
14	WVWA	Frame and Cover for Sanitary Sewer	EA	3	\$ 800.00	\$ 2,400.00	\$ 548.00	\$ 1,644.00
15	WVWA	Connect to Existing 8" Sanitary Sewer	EA	3	\$ 8,300.00	\$ 24,900.00	\$ 8,063.00	\$ 24,189.00
16	308	Aggregate Base Material Type I, No. 21B	TON	650	\$ 63.00	\$ 40,950.00	\$ 31.00	\$ 20,150.00
17		Asphalt Concrete Pavement						
17a	315	Asphalt Concrete Ty. BM-25.0A	TON	758	\$170.00	\$128,860.00	\$ 190.00	\$ 144,020.00
17b	315	Asphalt Concrete Ty. SM-9.5D	TON	217	\$225.00	\$48,825.00	\$ 313.00	\$ 67,921.00
18	315	Saw Cut Asphalt Concrete	LF	1600	\$7.00	\$11,200.00	\$ 3.00	\$ 4,800.00
19		Curb & Gutter						
19a	502	Radial Curb CG-2	LF	45	\$ 65.00	\$ 2,925.00	\$ 75.00	\$ 3,375.00
19b	502	Std. Combination Curb & Gutter CG-6	LF	75	\$ 68.00	\$ 5,100.00	\$ 43.00	\$ 3,225.00
19c	502	Radial Combination Curb & Gutter CG-6	LF	58	\$ 64.00	\$ 3,712.00	\$ 50.00	\$ 2,900.00

19d	502	Std. Combination Curb & Gutter CG-7	LF	640	\$ 45.00	\$ 28,800.00	\$ 38.00	\$ 24,320.00
19e	502	Radial Combination Curb & Gutter CG-7	LF	450	\$ 49.00	\$ 22,050.00	\$ 45.00	\$ 20,250.00
19f	504	CG-12 Detectable Warning Surface	SY	28	\$ 715.00	\$ 20,020.00	\$ 926.00	\$ 25,928.00
20	515	Flexible Pavement Planing 0"-2"	SY	175	\$ 50.00	\$ 8,750.00	\$ 52.00	\$ 9,100.00
21	504	Hydraulic Cement Concrete Sidewalk 4"	SY	430	\$ 68.00	\$ 29,240.00	\$ 112.00	\$ 48,160.00
22	502	Saw Cut Hydraulic Cement Concrete Items	LF	15	\$ 20.00	\$ 300.00	\$ 14.00	\$ 210.00
23	512	Maintenance of Traffic	LS	1	\$ 315,000.00	\$ 315,000.00	\$ 267,702.00	\$ 267,702.00
24		Erosion Control Seeding						
24a	603	Regular Seed	LB	125	\$ 25.00	\$ 3,125.00	\$ 21.00	\$ 2,625.00
24b	603	Overseeding	LB	60	\$ 3.00	\$ 180.00	\$ 19.00	\$ 1,140.00
24c	603	Hydraulic Erosion Control Product Type 2	SY	2420	\$ 0.75	\$ 1,815.00	\$ 1.00	\$ 2,420.00
24d	603	Hydraulic Erosion Control Product Type 3	SY	2420	\$ 1.00	\$ 2,420.00	\$ 1.00	\$ 2,420.00
25		Soil Amendments						
25a	603	Fertilizer Nitrogen - N	LB	43	\$ 2.00	\$ 86.00	\$ 1.00	\$ 43.00
25b	603	Fertilizer Phosphorus - P	LB	56	\$ 2.00	\$ 112.00	\$ 1.00	\$ 56.00
25c	603	Fertilizer Potassium - K	LB	28	\$ 2.00	\$ 56.00	\$ 1.00	\$ 28.00
25d	603	Lime	TON	2	\$ 225.00	\$ 450.00	\$ 172.00	\$ 344.00
26		Erosion Control Devices						
26a	303	Check Dam Rock Type II	EA	2	\$ 400.00	\$ 800.00	\$ 278.00	\$ 556.00
26b	303	Siltation Control Excavation	CY	150	\$ 14.00	\$ 2,100.00	\$ 1.00	\$ 150.00
26c	303	Temporary Silt Fence, Type A	LF	460	\$ 5.00	\$ 2,300.00	\$ 4.00	\$ 1,840.00
26d	303	Inlet Protection, Type A	EA	2	\$ 450.00	\$ 900.00	\$ 261.00	\$ 522.00
26e	303	Inlet Protection, Type B	EA	8	\$ 325.00	\$ 2,600.00	\$ 337.00	\$ 2,696.00
27		Landscaping						
27a	605	Autumn Brilliance Serviceberry (NS)	EA	3	\$ 275.00	\$ 825.00	\$ 222.00	\$ 666.00
27b	605	American Hornbeam/Musclewood (NS)	EA	2	\$ 285.00	\$ 570.00	\$ 316.00	\$ 632.00
27c	605	Eastern Redbud (NS)	EA	1	\$ 275.00	\$ 275.00	\$ 222.00	\$ 222.00
27d	605	Shamrock Inkberry	EA	24	\$ 52.00	\$ 1,248.00	\$ 72.00	\$ 1,728.00
27e	605	Winter Red Winterberry (F)	EA	25	\$ 52.00	\$ 1,300.00	\$ 58.00	\$ 1,450.00
27f	605	Jim Dandy Winterberry (M)	EA	4	\$ 52.00	\$ 208.00	\$ 58.00	\$ 232.00
27g	605	Otto Luyken Laurel	EA	51	\$ 75.00	\$ 3,825.00	\$ 116.00	\$ 5,916.00
27h	602	Topsoil Class A	CY	125	\$ 70.00	\$ 8,750.00	\$ 152.00	\$ 19,000.00
27i	605	Watering	UNIT	10	\$ 175.00	\$ 1,750.00	\$ 244.00	\$ 2,440.00
27j	605	Bed Preparation	UNIT	8	\$ 90.00	\$ 720.00	\$ 591.00	\$ 4,728.00
27k	605	Mulching (Beds Only)	UNIT	8	\$ 90.00	\$ 720.00	\$ 122.00	\$ 976.00
27l	605	Remulching	CY	8	\$ 90.00	\$ 720.00	\$ 289.00	\$ 2,312.00
28		VDOT Standard Traffic and Safety Items						
28a	701	Sign Panel	SF	74	\$ 25.00	\$ 1,850.00	\$ 57.00	\$ 4,218.00
28b	700	Sign Post STP-1, 2-1/2", 12 Gauge	LF	42	\$ 18.00	\$ 756.00	\$ 36.00	\$ 1,512.00
28c	700	Sign Post STP-1, 2-1/2", 10 Gauge	LF	15	\$ 20.00	\$ 300.00	\$ 36.00	\$ 540.00
28d	700	Sign Post STP-1, 2", 14 Gauge	LF	78	\$ 15.00	\$ 1,170.00	\$ 26.00	\$ 2,028.00
28e	700	Concrete Sign Foundation STP-1, Type A	EA	10	\$ 535.00	\$ 5,350.00	\$ 716.00	\$ 7,160.00
28f	700	Concrete Sign Foundation STP-1, Type B	EA	1	\$ 750.00	\$ 750.00	\$ 1,002.00	\$ 1,002.00
29		Disposition of Existing Signage						
29a	700	Remove Existing 1 Post Sign Structure	EA	11	\$ 400.00	\$ 4,400.00	\$ 501.00	\$ 5,511.00
29b	700	Relocate Existing 1 Post Ground Mounted Sign Panel	EA	6	\$ 100.00	\$ 600.00	\$ 358.00	\$ 2,148.00
30		Lane Marking and Traffic Control						
30a	704	Type B Class I Pavement Line Marking 4"	LF	3400	\$ 2.00	\$ 6,800.00	\$ 3.00	\$ 10,200.00
30b	704	Type B Class I Pavement Line Marking 6"	LF	235	\$ 4.00	\$ 940.00	\$ 5.00	\$ 1,175.00
30c	704	Type B Class II Pavement Line Marking 24"	LF	435	\$ 23.00	\$ 10,005.00	\$ 31.00	\$ 13,485.00
30d	512	Eradicate Existing Linear Pavement Marking	LF	6950	\$ 1.75	\$ 12,162.50	\$ 2.00	\$ 13,900.00
30e	512	Eradicate Existing Non-Linear Pavement Marking	SF	110	\$ 9.00	\$ 990.00	\$ 2.00	\$ 220.00
30f	704	Pavement Symbol Marking Single Turn Arrow Type B, Class II	EA	12	\$ 475.00	\$ 5,700.00	\$ 608.00	\$ 7,296.00
31	517	Construction Surveying Construction	LS	1	\$ 30,000.00	\$ 30,000.00	\$ 28,942.00	\$ 28,942.00
32		Pedestrian Signal and Lighting						
32a	703	Traffic Signal Head Section 12" LED, HV5 Backplate	EA	10	\$ 450.00	\$ 4,500.00	\$ 716.00	\$ 7,160.00

32b	703	Pedestrian Actuation PA-4 (Audible/Accessible)	EA	4	\$ 1,250.00	\$ 5,000.00	\$ 1,718.00	\$ 6,872.00
32c	700	Pedestal Pole PF-2 10'	EA	4	\$ 1,000.00	\$ 4,000.00	\$ 2,147.00	\$ 8,588.00
32d	700	Concrete Foundation PF-2	EA	4	\$ 1,050.00	\$ 4,200.00	\$ 3,578.00	\$ 14,312.00
32e	700	14/4 Conductor Cable	LF	1065	\$ 2.30	\$ 2,449.50	\$ 4.00	\$ 4,260.00
32f	703	Hanger Assembly SM-3, One Way	EA	3	\$ 500.00	\$ 1,500.00	\$ 716.00	\$ 2,148.00
32g	703	Hanger Assembly SMB-2, One Way	EA	4	\$ 500.00	\$ 2,000.00	\$ 716.00	\$ 2,864.00
32h	703	Pedestrian Signal Head SP-8	EA	4	\$ 575.00	\$ 2,300.00	\$ 1,074.00	\$ 4,296.00
32i	700	8 Conductor Cable	LF	120	\$ 2.50	\$ 300.00	\$ 2.00	\$ 240.00
32j	700	2" PVC Conduit	LF	105	\$ 20.00	\$ 2,100.00	\$ 7.00	\$ 735.00
32k	700	Trench Excavation ECI-1	LF	105	\$ 15.00	\$ 1,575.00	\$ 32.00	\$ 3,260.00
32l	706	Remove Existing Signal Head	EA	3	\$ 200.00	\$ 600.00	\$ 1,431.00	\$ 4,293.00
32m	510	Modify Traffic Signal Controller	EA	1	\$ 2,500.00	\$ 2,500.00	\$ 9,594.00	\$ 9,594.00
TOTAL BASE BID PRICE						\$ 1,721,255.00		\$ 1,795,854.00