

2010 Lawrence Airport Sanitary Sewer Improvements
Bid Tabulations
City of Lawrence, Kansas
BG Consultants, Inc. Project #10-1076L
March 8, 2011

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No.	Description	Qty.	Units	Engineer's	Midland	Schmidtlein	Redford	Walters-	Heartland
				Estimate	Contractors	Excavating	Construction	Morgan	Midwest
				Unit Price	Unit Price	Unit Price	Unit Price	Unit Price	Unit Price
1.	Clearing & Grubbing	1	L.S.	\$ 1,000.00	\$ 575.00	\$ 500.00	\$ 5,000.00	\$ 500.00	\$ 7,500.00
2.	Removal of Existing Structures	1	L.S.	\$ 2,500.00	\$ 575.00	\$ -	\$ 2,000.00	\$ 500.00	\$ 3,000.00
3.	Mobilization	1	L.S.	\$ 25,000.00	\$ 20,000.00	\$ 6,500.00	\$ 12,000.00	\$ 12,000.00	\$ 2,000.00
4.	Demobilization	1	L.S.	\$ 2,000.00	\$ 2,500.00	\$ 1,700.00	\$ 2,000.00	\$ 5,000.00	\$ 1,000.00
5.	4" Sanitary Sewer (PVC)(SCH 40)(In Place)	189	L.F.	\$ 35.00	\$ 16.50	\$ 22.00	\$ 50.00	\$ 15.00	\$ 60.00
6.	8" Sanitary Sewer (PVC)(SDR 26)(In Place)	2,032	L.F.	\$ 70.00	\$ 16.75	\$ 28.00	\$ 55.00	\$ 24.00	\$ 65.00
7.	8" Sanitary Sewer (PVC)(SDR 21 RJ)(In Place)	334	L.F.	\$ 80.00	\$ 21.00	\$ 28.60	\$ 60.00	\$ 32.00	\$ 58.00
8.	12" Sanitary Sewer (PVC)(SDR 26)(In Place)	37	L.F.	\$ 120.00	\$ 28.50	\$ 46.00	\$ 60.00	\$ 40.00	\$ 80.00
9.	Std. Manhole (0'-6")(4' Dia.)	9	Each	\$ 2,250.00	\$ 3,310.00	\$ 2,011.00	\$ 2,400.00	\$ 2,400.00	\$ 1,500.00
10.	Std. Manhole with Basket Screen (0'-6")(5' Dia.)	1	Each	\$ 4,000.00	\$ 10,500.00	\$ 4,895.00	\$ 3,600.00	\$ 6,000.00	\$ 1,900.00
11.	Wetwell (0'-6")(12' Dia.)	1	Each	\$ 85,000.00	\$ 56,965.00	\$ 93,984.00	\$ 73,000.00	\$ 198,500.00	\$ 115,000.00
12.	Extra Vertical Depth to Std. Manhole (4' & 5' Dia.)	53.5	V.F.	\$ 125.00	\$ 90.00	\$ 116.00	\$ 120.00	\$ 150.00	\$ 110.00
13.	Extra Vertical Depth to Wetwell (12' Dia.)	19.0	V.F.	\$ 2,600.00	\$ 1,059.00	\$ 1,151.00	\$ 2,600.00	\$ 1,200.00	\$ 1,250.00
14.	Install 16" Steel Casing by Boring	104	L.F.	\$ 350.00	\$ 195.00	\$ 310.50	\$ 212.00	\$ 335.00	\$ 300.00
15.	4" Sanitary Sewer Cleanout	2	Each	\$ 250.00	\$ 150.00	\$ 400.00	\$ 200.00	\$ 450.00	\$ 250.00
16.	Concrete Encasement	20	L.F.	\$ 90.00	\$ 15.00	\$ 46.00	\$ 80.00	\$ 30.00	\$ 150.00
17.	Connect to Existing Sewer Service Line	2	Each	\$ 500.00	\$ 60.00	\$ 91.00	\$ 500.00	\$ 150.00	\$ 100.00
18.	Remove and Decommission Existing Septic System	2	Each	\$ 2,000.00	\$ 665.00	\$ 513.00	\$ 1,400.00	\$ 600.00	\$ 1,500.00
19.	Holding Tank Site Grading	1	L.S.	\$ 5,000.00	\$ 300.00	\$ 6,012.00	\$ 1,000.00	\$ 2,400.00	\$ 2,500.00
20.	Holding Tank Electrical System	1	L.S.	\$ 30,000.00	\$ 41,000.00	\$ 36,505.00	\$ 25,000.00	\$ 40,000.00	\$ 20,000.00
21.	Holding Tank Water System	1	L.S.	\$ 7,500.00	\$ 2,500.00	\$ 3,444.00	\$ 4,000.00	\$ 4,000.00	\$ 6,500.00
22.	Access Gate	1	Each	\$ 3,000.00	\$ 2,170.00	\$ 2,636.00	\$ 2,000.00	\$ 2,800.00	\$ 5,000.00
23.	Odor Control System	1	L.S.	\$ 20,000.00	\$ 26,000.00	\$ 9,888.00	\$ 18,000.00	\$ 19,000.00	\$ 28,490.00
24.	Aeration System	1	L.S.	\$ 27,000.00	\$ 37,000.00	\$ 23,219.00	\$ 25,000.00	\$ 27,000.00	\$ 45,430.00
25.	Field Services Start-Up	1	L.S.	\$ 5,000.00	\$ 800.00	\$ 4,061.00	\$ 500.00	\$ 1,500.00	\$ 880.00
26.	O & M Manual for Odor Control System	1	L.S.	\$ 500.00	\$ 100.00	\$ 1.00	\$ 50.00	\$ 100.00	\$ 110.00
27.	O & M Manual for Aeration System	1	L.S.	\$ 500.00	\$ 100.00	\$ 1.00	\$ 50.00	\$ 100.00	\$ 110.00
28.	18" Entrance Pipe (CM)	50	L.F.	\$ 40.00	\$ 18.00	\$ 36.00	\$ 40.00	\$ 25.00	\$ 40.00
29.	18" End Section (CM)	2	Each	\$ 300.00	\$ 180.00	\$ 343.00	\$ 1,000.00	\$ 110.00	\$ 250.00
30.	Reconstruct Concrete Sidewalk (4" A.E.)	7.2	S.Y.	\$ 35.00	\$ 53.00	\$ 83.00	\$ 40.00	\$ 70.00	\$ 54.00
31.	Reconstruct 8" Pavement	23.7	S.Y.	\$ 80.00	\$ 75.00	\$ 101.00	\$ 80.00	\$ 90.00	\$ 72.00
32.	8" Concrete Pavement (Reinf.)(A.E.)	340	S.Y.	\$ 50.00	\$ 72.35	\$ 115.20	\$ 52.00	\$ 75.00	\$ 63.00
33.	6" Gravel Surfacing (AB-3)	305	S.Y.	\$ 10.00	\$ 6.35	\$ 5.50	\$ 5.00	\$ 10.00	\$ 20.00
34.	Flowable Fill Backfill	12.5	C.Y.	\$ 80.00	\$ 118.80	\$ 81.00	\$ 70.00	\$ 80.00	\$ 80.00
35.	Erosion and Sediment Control	1	L.S.	\$ 2,500.00	\$ 3,700.00	\$ 1,400.00	\$ 500.00	\$ 650.00	\$ 2,000.00
36.	Traffic Control	1	L.S.	\$ 5,000.00	\$ 1,125.00	\$ 1,900.00	\$ 500.00	\$ 450.00	\$ 1,500.00
37.	Construction Staking	1	L.S.	\$ 4,000.00	\$ 5,100.00	\$ 5,000.00	\$ 2,500.00	\$ 5,000.00	\$ 3,000.00
38.	Seeding, Fertilizing & Mulching	1	L.S.	\$ 5,000.00	\$ 3,325.00	\$ 8,350.00	\$ 3,000.00	\$ 1,800.00	\$ 3,500.00
CONSTRUCTION TOTAL =				\$ 560,350.50	\$ 368,053.85	\$ 411,033.70	\$ 454,702.00	\$ 514,993.00	\$ 529,322.20

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No.	Description	Qty.	Units	Engineer's Estimate	Mill Valley Excavating	King's Construction	Linaweaver Construction	Kissick Construction	R.D. Johnson Excavating
				Unit Price	Unit Price	Unit Price	Unit Price	Unit Price	Unit Price
1.	Clearing & Grubbing	1	L.S.	\$ 1,000.00	\$ 6,800.00	\$ 1,000.00	\$ 6,000.00	\$ 5,000.00	\$ 2,460.00
2.	Removal of Existing Structures	1	L.S.	\$ 2,500.00	\$ 4,500.00	\$ 500.00	\$ 5,000.00	\$ 12,816.00	\$ 1,325.00
3.	Mobilization	1	L.S.	\$ 25,000.00	\$ 50,000.00	\$ 10,000.00	\$ 40,000.00	\$ 8,000.00	\$ 35,320.00
4.	Demobilization	1	L.S.	\$ 2,000.00	\$ 2,500.00	\$ 1,000.00	\$ 5,000.00	\$ 2,500.00	\$ 18,700.00
5.	4" Sanitary Sewer (PVC)(SCH 40)(In Place)	189	L.F.	\$ 35.00	\$ 25.00	\$ 25.00	\$ 60.00	\$ 32.00	\$ 18.00
6.	8" Sanitary Sewer (PVC)(SDR 26)(In Place)	2,032	L.F.	\$ 70.00	\$ 48.00	\$ 38.00	\$ 62.00	\$ 46.00	\$ 60.50
7.	8" Sanitary Sewer (PVC)(SDR 21 RJ)(In Place)	334	L.F.	\$ 80.00	\$ 58.00	\$ 44.00	\$ 66.00	\$ 56.00	\$ 81.00
8.	12" Sanitary Sewer (PVC)(SDR 26)(In Place)	37	L.F.	\$ 120.00	\$ 63.00	\$ 60.00	\$ 60.00	\$ 206.00	\$ 410.00
9.	Std. Manhole (0'-6")(4' Dia.)	9	Each	\$ 2,250.00	\$ 2,400.00	\$ 2,500.00	\$ 3,525.00	\$ 4,350.00	\$ 3,650.00
10.	Std. Manhole with Basket Screen (0'-6")(5' Dia.)	1	Each	\$ 4,000.00	\$ 5,600.00	\$ 8,500.00	\$ 12,500.00	\$ 8,282.00	\$ 10,125.00
11.	Wetwell (0'-6")(12' Dia.)	1	Each	\$ 85,000.00	\$ 61,700.00	\$ 130,500.00	\$ 95,000.00	\$ 175,000.00	\$ 176,300.00
12.	Extra Vertical Depth to Std. Manhole (4' & 5' Dia.)	53.5	V.F.	\$ 125.00	\$ 156.00	\$ 125.00	\$ 115.00	\$ 94.00	\$ 225.00
13.	Extra Vertical Depth to Wetwell (12' Dia.)	19.0	V.F.	\$ 2,600.00	\$ 1,400.00	\$ 6,868.00	\$ 1,600.00	\$ 1,322.00	\$ 1,155.00
14.	Install 16" Steel Casing by Boring	104	L.F.	\$ 350.00	\$ 284.00	\$ 100.00	\$ 325.00	\$ 441.00	\$ 600.00
15.	4" Sanitary Sewer Cleanout	2	Each	\$ 250.00	\$ 724.00	\$ 350.00	\$ 150.00	\$ 180.00	\$ 235.00
16.	Concrete Encasement	20	L.F.	\$ 90.00	\$ 70.00	\$ 55.00	\$ 60.00	\$ 150.00	\$ 90.00
17.	Connect to Existing Sewer Service Line	2	Each	\$ 500.00	\$ 750.00	\$ 250.00	\$ 500.00	\$ 2,200.00	\$ 250.00
18.	Remove and Decommission Existing Septic System	2	Each	\$ 2,000.00	\$ 1,650.00	\$ 2,000.00	\$ 1,500.00	\$ 2,800.00	\$ 2,400.00
19.	Holding Tank Site Grading	1	L.S.	\$ 5,000.00	\$ 14,600.00	\$ 5,000.00	\$ 5,000.00	\$ 12,300.00	\$ 24,350.00
20.	Holding Tank Electrical System	1	L.S.	\$ 30,000.00	\$ 37,800.00	\$ 33,500.00	\$ 34,000.00	\$ 25,000.00	\$ 32,830.00
21.	Holding Tank Water System	1	L.S.	\$ 7,500.00	\$ 8,500.00	\$ 4,880.00	\$ 5,000.00	\$ 8,000.00	\$ 4,000.00
22.	Access Gate	1	Each	\$ 3,000.00	\$ 2,300.00	\$ 4,500.00	\$ 3,000.00	\$ 2,000.00	\$ 2,300.00
23.	Odor Control System	1	L.S.	\$ 20,000.00	\$ 20,100.00	\$ 24,000.00	\$ 12,000.00	\$ 20,000.00	\$ 24,360.00
24.	Aeration System	1	L.S.	\$ 27,000.00	\$ 30,000.00	\$ 27,000.00	\$ 27,000.00	\$ 30,000.00	\$ 35,400.00
25.	Field Services Start-Up	1	L.S.	\$ 5,000.00	\$ 850.00	\$ 1,000.00	\$ 18,000.00	\$ 4,000.00	\$ 1,200.00
26.	O & M Manual for Odor Control System	1	L.S.	\$ 500.00	\$ 850.00	\$ 1,000.00	\$ 500.00	\$ 1,500.00	\$ 600.00
27.	O & M Manual for Aeration System	1	L.S.	\$ 500.00	\$ 850.00	\$ 1,000.00	\$ 500.00	\$ 1,500.00	\$ 600.00
28.	18" Entrance Pipe (CM)	50	L.F.	\$ 40.00	\$ 37.50	\$ 30.00	\$ 30.00	\$ 33.00	\$ 20.00
29.	18" End Section (CM)	2	Each	\$ 300.00	\$ 700.00	\$ 250.00	\$ 250.00	\$ 250.00	\$ 350.00
30.	Reconstruct Concrete Sidewalk (4" A.E.)	7.2	S.Y.	\$ 35.00	\$ 79.00	\$ 75.00	\$ 65.00	\$ 36.00	\$ 43.00
31.	Reconstruct 8" Pavement	23.7	S.Y.	\$ 80.00	\$ 202.00	\$ 100.00	\$ 85.00	\$ 85.00	\$ 111.00
32.	8" Concrete Pavement (Reinf.)(A.E.)	340	S.Y.	\$ 50.00	\$ 92.00	\$ 70.00	\$ 65.00	\$ 75.00	\$ 60.00
33.	6" Gravel Surfacing (AB-3)	305	S.Y.	\$ 10.00	\$ 19.00	\$ 6.50	\$ 7.00	\$ 11.00	\$ 11.00
34.	Flowable Fill Backfill	12.5	C.Y.	\$ 80.00	\$ 100.00	\$ 72.00	\$ 85.00	\$ 120.00	\$ 102.00
35.	Erosion and Sediment Control	1	L.S.	\$ 2,500.00	\$ 2,100.00	\$ 5,750.00	\$ 2,500.00	\$ 3,500.00	\$ 2,550.00
36.	Traffic Control	1	L.S.	\$ 5,000.00	\$ 6,900.00	\$ 1,500.00	\$ 1,000.00	\$ 3,500.00	\$ 2,800.00
37.	Construction Staking	1	L.S.	\$ 4,000.00	\$ 5,500.00	\$ 3,500.00	\$ 4,800.00	\$ 3,000.00	\$ 3,900.00
38.	Seeding, Fertilizing & Mulching	1	L.S.	\$ 5,000.00	\$ 6,100.00	\$ 2,800.00	\$ 4,600.00	\$ 6,300.00	\$ 2,450.00
CONSTRUCTION TOTAL =				\$ 560,350.50	\$ 532,200.20	\$ 573,759.00	\$ 580,345.50	\$ 621,343.70	\$ 716,604.80