

**SHADOW TRAILS
NORTHEAST CORNER OF 121ST AND 129TH
INFRASTRUCTURE INVENTORY
BROKEN ARROW, OKLAHOMA**

Prepared By: sjb
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Description	Units	Quantity	Unit Price	Extension
<u>WATER</u>				
Temp. Silt Dike	LF	150.00	\$3.00	\$450.00
Temp Silt Fence	LF	300.00	\$3.00	\$900.00
Mobilization	LS	1.00	\$5,000.00	\$5,000.00
Excavation & Backfill	CY	3,673.00	\$1.00	\$3,673.00
6" PVC	LF	135.00	\$21.00	\$2,835.00
8" PVC, RJ	LF	2,780.00	\$28.00	\$77,840.00
8" PVC	LF	9,615.00	\$24.00	\$230,760.00
12" Solid Sleeve RJ	EA	2.00	\$405.00	\$810.00
8" 11 1/4 Degree Bend RJ	LF	28.00	\$230.00	\$6,440.00
8" 22 1/2 Degree Bend	EA	8.00	\$230.00	\$1,840.00
8" 45 Degree Bend RJ	EA	142.00	\$230.00	\$32,660.00
8"x8"x6" Tee RJ	EA	27.00	\$320.00	\$8,640.00
8"x8"x8" Tee RJ	EA	20.00	\$330.00	\$6,600.00
8" Plug RJ	EA	3.00	\$110.00	\$330.00
3/4" Service Line	EA	84.00	\$15.00	\$1,260.00
Servie Line Taps	EA	84.00	\$400.00	\$33,600.00
6" Gate Valve	EA	27.00	\$650.00	\$17,550.00
8" Gate Valve	EA	33.00	\$960.00	\$31,680.00
3-way Fire Hydrant	EA	27.00	\$2,000.00	\$54,000.00
Hydrant Extension	LF	24.00	\$880.00	\$21,120.00
Valve Box	EA	60.00	\$100.00	\$6,000.00
Valve Box Extension	LF	30.00	\$150.00	\$4,500.00
Construction Staking	LS	1.00	\$7,500.00	\$7,500.00
<u>SANITARY SEWER</u>				
Temporary Silt Fence	LF	325.00	\$3.00	\$975.00
Mobilization	LS	1.00	\$5,000.00	\$5,000.00
Excavation & Backfill	CY	11,820.00	\$1.00	\$11,820.00
8" PVC C900 DR35	LF	13,931.00	\$20.00	\$278,620.00
4' ID Manhole w/lid	VF	55.00	\$1,500.00	\$82,500.00
4' ID Drop Manhole w/lid	VF	17.00	\$1,900.00	\$32,300.00
4' ID Manhole extra foot of depth	VF	266.00	\$100.00	\$26,600.00
Lamphole	VF	6.00	\$800.00	\$4,800.00
Taps New Construction	VF	200.00	\$130.00	\$26,000.00
Construction Staking	LS	1.00	\$8,500.00	\$8,500.00
<u>PAVING AND DRAINAGE</u>				
Clearing and Grubbing	EA	1.00	\$30,000.00	\$30,000.00
Unclassified Excavation	CY	10,400.00	\$10.00	\$104,000.00
Unclassified Borrow	CY	36,400.00	\$17.00	\$618,800.00
Type A Salvaged Top Soil	CY	8,500.00	\$16.00	\$136,000.00
Temp. Silt Dike	LF	1,500.00	\$3.00	\$4,500.00
Temp. Silt Fence	LF	3,000.00	\$3.00	\$9,000.00

Solid Slab Sodding	SY	61,000.00	\$2.00	\$122,000.00
Type A Agg	CY	9,200.00	\$32.00	\$294,400.00
Subgrade Method B	SY	39,200.00	\$1.10	\$43,120.00
Separator Fabric	SY	49,560.00	\$1.00	\$49,560.00
Asphalt Type A	TN	10,410.00	\$54.30	\$565,263.00
Asphalt Type B	TN	2,602.00	\$70.50	\$183,441.00
Structural Excavation	CY	1,260.00	\$10.00	\$12,600.00
CLSM Backfill	CY	14.50	\$70.00	\$1,015.00
Class AA Concrete	CY	590.00	\$390.00	\$230,100.00
Class A Concrete	CY	2.10	\$9,900.00	\$20,790.00
Reinforcing Steel	LB	74,600.00	\$0.90	\$67,140.00
Type I Plain RipRap	TN	160.00	\$40.00	\$6,400.00
2'-2" Comb Curb & Gutter	LF	23,500.00	\$11.25	\$264,375.00
4" Concrete Sidewalk	SY	2,900.00	\$26.25	\$76,125.00
Truncated Domes	SF	700.00	\$20.00	\$14,000.00
4' Manhole	EA	12.00	\$1,500.00	\$18,000.00
5' Manhole	EA	2.00	\$2,000.00	\$4,000.00
4' Additional Depth	VF	10.00	\$100.00	\$1,000.00
5' Additional Depth	VF	5.00	\$200.00	\$1,000.00
Recessed Inlet ST29-6	EA	73.00	\$3,700.00	\$270,100.00
Recessed Inlet ST29-8	EA	2.00	\$6,700.00	\$13,400.00
Inlet SMD Type 1 Grate	VF	10.00	\$2,100.00	\$21,000.00
Recessed Inlet Addl Depth	VF	42.00	\$400.00	\$16,800.00
Recessed Inlet Addl Depth	VF	8.00	\$500.00	\$4,000.00
Inlet SMD Type 1 Grate	VF	12.00	\$200.00	\$2,400.00
Junction Box	CF	120.00	\$170.00	\$20,400.00
15" RCP	LF	1,216.00	\$44.00	\$53,504.00
18" RCP	LF	6,422.00	\$45.00	\$288,990.00
24" RCP	LF	1,235.00	\$59.00	\$72,865.00
30" RCP	LF	637.00	\$69.00	\$43,953.00
15" Culvert	EA	2.00	\$650.00	\$1,300.00
18" Culvert	EA	5.00	\$750.00	\$3,750.00
24" Culvert	EA	2.00	\$810.00	\$1,620.00
30" Culvert	EA	1.00	\$950.00	\$950.00
Mobilization	LS	1.00	\$7,500.00	\$7,500.00
Staking	LS	1.00	\$47,000.00	\$47,000.00
2" PV Conduit (ONG)	LF	2,360.00	\$15.00	\$35,400.00
4" PVC Conduit (ONG)	LF	820.00	\$18.00	\$14,760.00
4" PVC Conduit (PSO)	LF	1,200.00	\$18.00	\$21,600.00
4" PVC Conduit (COMM)	LF	1,200.00	\$18.00	\$21,600.00
8" PVC Conduit (ONG)	LF	170.00	\$18.00	\$3,060.00
Aluminum Signs	SF	17.00	\$20.00	\$340.00
Steel Posts	LF	170.00	\$10.00	\$1,700.00
4" Traffic Stripe	LF	1,040.00	\$1.25	\$1,300.00
Stripe (Arrows)	EA	8.00	\$300.00	\$2,400.00
Stripe (Words)	EA	4.00	\$300.00	\$1,200.00
Sidewalk Ramp	EA	86.00	\$500.00	\$43,000.00
Offsite Water				
Temp Silt Fence	LF	6,100.00	\$1.00	\$6,100.00
Temp Silt Dike	LF	62.00	\$5.50	\$341.00
Solid Slab Sodding	SY	1,970.00	\$3.30	\$6,501.00
Mobilization	LS	1.00	\$12,000.00	\$12,000.00
ROW Clearing	LS	1.00	\$9,750.00	\$9,750.00
Common Excavation	CY	1,420.00	\$46.00	\$65,320.00

Pavement Cut	LF	140.00	\$51.00	\$7,140.00
6" PVC AWWA C905	LF	110.00	\$14.00	\$1,540.00
8" PVC AWWA C905 RJ	LF	40.00	\$21.00	\$840.00
12" PVC C905	LF	2,210.00	\$20.00	\$44,200.00
12" PVC RJ	LF	500.00	\$30.00	\$15,000.00
16" C905	LF	2,513.00	\$31.00	\$77,903.00
16" C905 RJ	LF	875.00	\$45.00	\$39,375.00
12" Solid Sleeve RJ	EA	1.00	\$460.00	\$460.00
16" Solid Sleeve RJ	EA	1.00	\$800.00	\$800.00
26" Steel Conduit	LF	220.00	\$65.00	\$14,300.00
32" Steel Conduit	LF	240.00	\$80.00	\$19,200.00
12" 11 1/4 Degree Bend	EA	1.00	\$380.00	\$380.00
16" 11 1/4 Degree Bend RJ	EA	4.00	\$775.00	\$3,100.00
16" 22 1/2 Degree Bend	EA	6.00	\$880.00	\$5,280.00
12x12x6 Tee RJ	EA	11.00	\$450.00	\$4,950.00
12x12x8 Tee RJ	EA	2.00	\$600.00	\$1,200.00
12x12x12 Tee RJ	EA	1.00	\$950.00	\$950.00
16x16x6 Tee RJ	EA	11.00	\$950.00	\$10,450.00
16x16x16 Tee RJ	EA	1.00	\$1,300.00	\$1,300.00
12" Plug RJ	EA	2.00	\$170.00	\$340.00
16" Plug RJ	EA	1.00	\$420.00	\$420.00
16x12 Reducer	EA	1.00	\$580.00	\$580.00
6" Gate Valve	EA	22.00	\$590.00	\$12,980.00
8" Gate Valve	EA	2.00	\$950.00	\$1,900.00
12" Gate Valve	EA	6.00	\$1,850.00	\$11,100.00
16" Gate Valve	EA	2.00	\$5,800.00	\$11,600.00
2" Air Relief Valve	EA	6.00	\$2,700.00	\$16,200.00
3-way Fire Hydrant	EA	22.00	\$1,670.00	\$36,740.00
Hydrant Extension 3'	LF	25.00	\$700.00	\$17,500.00
Valve Box	EA	30.00	\$56.00	\$1,680.00
Valve Box Extension 3'	LF	15.00	\$32.00	\$480.00
Construction Staking	LS	1.00	\$12,000.00	\$12,000.00
Traffic Control	LS	1.00	\$3,600.00	\$3,600.00
Contingency Allowance	ALLOW	1.00	\$25,000.00	\$25,000.00

Offsite Sewer

Concrete Paving	SY	63.00	\$30.00	\$1,890.00
Mobilization	LS	1.00	\$15,000.00	\$15,000.00
ROW Clearing	LS	1.00	\$17,000.00	\$17,000.00
Common Excavation	CY	7,950.00	\$22.00	\$174,900.00
Pavement Cut repair	LF	140.00	\$51.00	\$7,140.00
8" 11 1/2 Bend RJ	EA	1.00	\$350.00	\$350.00
8" 45 Degree Bend	EA	10.00	\$350.00	\$3,500.00
8" 90 degree Bend	EA	5.00	\$300.00	\$1,500.00
8x8x8 Tee	EA	1.00	\$500.00	\$500.00
8" Plug	EA	1.00	\$200.00	\$200.00
8" gate Valve	EA	2.00	\$850.00	\$1,700.00
2" Air Relief Valve	EA	4.00	\$3,500.00	\$14,000.00
10" PVC SDR 35	LF	2,472.00	\$15.00	\$37,080.00
10" PVC SDR 35 RJ	LF	270.00	\$34.00	\$9,180.00
8" PVC C900	LF	4,870.00	\$10.00	\$48,700.00
8" PVC C900 RJ	LF	728.00	\$15.00	\$10,920.00
Connect to Manhole	EA	1.00	\$1,600.00	\$1,600.00
20" steel conduit	LF	800.00	\$50.00	\$40,000.00
4' ID Manhole w/standard lid	EA	12.00	\$1,500.00	\$18,000.00

4' ID manhole Extra Depth	VF	75.00	\$150.00	\$11,250.00
Temp Silt Dike	LF	132.00	\$5.50	\$726.00
Fence Style CLF 8'	LF	146.00	\$35.00	\$5,110.00
Gate Style CLF 8' High 12' Open	EA	1.00	\$800.00	\$800.00
Gate Style CLF8'High 3' Open	EA	1.00	\$200.00	\$200.00
Staking	LS	1.00	\$19,800.00	\$19,800.00
Sanitary Sewer PKG Pump	LS	1.00	\$302,500.00	\$302,500.00
Contingency Allowance	ALLOW	1.00	\$25,000.00	\$25,000.00
Domestic Hose Bid	EA	1.00	\$500.00	\$500.00

Total Cost of Water Improvements = \$555,988.00

Total Cost of Sanitary Sewer Improvements = \$477,115.00

Total Cost of Paving and Drainage Improvements = \$3,892,521.00

Total Cost of Offsite Water = \$500,500.00

Total Cost of Offsite Sewer = \$769,046.00

Total Cost of Constructed Improvements = \$6,195,170.00