



# Unit Price for Bond Estimates

Public Works Department  
Engineering Division

Effective: July 1, 2007  
Revised: May 13, 2009

## GRADING

<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Price</u>	<u>Total</u>
Clearing & Grubbing	_____	AC	\$1,000.00	\$ _____
Rough Grading (balanced)	_____	CY	\$3.20	\$ _____
Finish Grading	_____	LOT	\$500.00	\$ _____
Import	_____	CY	\$2.50	\$ _____
Export	_____	CY	\$10.00	\$ _____
<b>Subtotal Grading:</b>				\$ _____

## STREET IMPROVEMENTS

<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Price</u>	<u>Total</u>
AC Overlay (2")	_____	SF	\$0.88	\$ _____
Asphalt Concrete	_____	SF/in	\$0.25	\$ _____
Aggregate Base	_____	SF/in	\$0.08	\$ _____
Pavement Sealant (Fog)	_____	SF	\$0.05	\$ _____
3" or 5" Rubberized Asphalt Concrete	_____	TON	\$65.00	\$ _____
Pavement Saw Cut	_____	LF	\$1.00	\$ _____
Relocate Signs	_____	MILE	\$4,050.00	\$ _____
Type "B" Curb & Gutter	_____	LF	\$9.00	\$ _____
Valley Gutter	_____	SF	\$3.00	\$ _____
Median Curb	_____	LF	\$12.00	\$ _____
Sidewalk (with 4" CL 2 AB)	_____	SF	\$2.85	\$ _____
Under Sidewalk Drain (Schedule 40 PVC)	_____	EA	\$20.00	\$ _____
AC Berm	_____	LF	\$5.00	\$ _____
Handicap Ramp	_____	EA	\$100.00	\$ _____
Driveway Approach	_____	SF	\$3.00	\$ _____
Driveway Approach (Commercial)	_____	SF	\$4.00	\$ _____
Striping	_____	LF	\$1.00	\$ _____
Joint Trench	_____	LF	\$18.00	\$ _____
6' Sound Wall	_____	LF	\$65.00	\$ _____
Barricade (Metal: ST 12)	_____	LF	\$35.00	\$ _____
Street Trees	_____	EA	\$90.00	\$ _____
Signs	_____	MILE	\$8,100.00	\$ _____
Curb & Gutter	_____	LF	\$12.00	\$ _____
Survey Monuments	_____	EA	\$300.00	\$ _____
Lot Corners	_____	EA	\$160.00	\$ _____
Geofabric	_____	SF	\$0.20	\$ _____
At-Grade RR Crossing	_____	EA	\$175,000.00	\$ _____

**STREET IMPROVEMENTS – continued**

<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Price</u>	<u>Total</u>
Retaining Wall (3' max)	_____	SF	\$15.00	\$ _____
Chain Link Fence	_____	LF	\$12.50	\$ _____
Thermoplastic Pavement Markings	_____	SF	\$0.50	\$ _____
Canal Relocation	_____	LF	\$150.00	\$ _____
2" x 6" Redwood Header	_____	LF	\$6.00	\$ _____
AC Berm Removal	_____	LF	\$3.00	\$ _____
AC Removal	_____	SF	\$1.50	\$ _____
Sidewalk Removal	_____	SF	\$1.00	\$ _____
Curb & Gutter Removal	_____	LF	\$3.00	\$ _____
<b>Subtotal Street Improvements:</b>				\$ _____

**DRAINAGE IMPROVEMENTS**

<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Price</u>	<u>Total</u>
RCP (up to 30" diameter)	_____	LF/in $\phi$	\$2.50	\$ _____
RCP (36" diameter & over)	_____	LF/in $\phi$	\$2.25	\$ _____
CIPP (24" min.)	_____	LF/in $\phi$	\$1.15	\$ _____
Type A & C Inlets	_____	EA	\$1,400.00	\$ _____
Type B, D & E Inlets	_____	EA	\$1,800.00	\$ _____
SD Manhole Type I	_____	EA	\$1,600.00	\$ _____
SD Manhole Type II	_____	EA	\$2,600.00	\$ _____
SD Manhole Type III	_____	EA	\$4,000.00	\$ _____
Christy V9 Drain Box	_____	EA	\$200.00	\$ _____
B-58 Concrete Ditch	_____	LF	\$25.00	\$ _____
Concrete Structure	_____	CY	\$450.00	\$ _____
Adjust MH to Grade	_____	EA	\$400.00	\$ _____
Rip Rap	_____	CY	\$60.00	\$ _____
Grouted Rip Rap	_____	CY	\$80.00	\$ _____
Earth Ditch	_____	LF	\$12.00	\$ _____
<b>Subtotal Drainage Improvements:</b>				\$ _____

**SANITARY SEWER**

<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Price</u>	<u>Total</u>
8" VCP	_____	LF	\$33.00	\$ _____
8" PVC (SDR-35)	_____	LF	\$30.00	\$ _____
10" VCP	_____	LF	\$56.38	\$ _____
10" PVC (SDR-35)	_____	LF	\$50.00	\$ _____
12" VCP	_____	LF	\$61.17	\$ _____
12" PVC (SDR-35)	_____	LF	\$55.00	\$ _____
15" VCP	_____	LF	\$67.19	\$ _____
15" PVC (SDR-35)	_____	LF	\$65.00	\$ _____
18" VCP	_____	LF	\$74.33	\$ _____
18" PVC (SDR-35)	_____	LF	\$70.00	\$ _____

**SANITARY SEWER – continued**

<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Price</u>	<u>Total</u>
21" VCP	_____	LF	\$82.29	\$ _____
21" PVC (SDR-35)	_____	LF	\$75.00	\$ _____
24" VCP	_____	LF	\$90.20	\$ _____
24" PVC (SDR-35)	_____	LF	\$85.00	\$ _____
27" VCP	_____	LF	\$103.52	\$ _____
27" PVC (SDR-35)	_____	LF	\$95.00	\$ _____
30" VCP	_____	LF	\$116.80	\$ _____
33" VCP	_____	LF	\$129.49	\$ _____
36" VCP	_____	LF	\$142.11	\$ _____
42" VCP	_____	LF	\$160.45	\$ _____
Manhole	_____	EA	\$2,500.00	\$ _____
Adjust MH to Grade	_____	EA	\$400.00	\$ _____
Manhole, Break & Enter	_____	EA	\$500.00	\$ _____
Service Connections	_____	EA	\$200.00	\$ _____
Cleanout	_____	EA	\$950.00	\$ _____
6" Force Main	_____	LF	\$40.00	\$ _____
<b>Subtotal Sanitary Sewer:</b>				\$ _____

**WATER IMPROVEMENTS**

<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Price</u>	<u>Total</u>
4" PVC (C900) Class 200	_____	LF	\$17.00	\$ _____
6" PVC (C900) Class 200	_____	LF	\$19.00	\$ _____
8" PVC (C900) Class 200	_____	LF	\$21.00	\$ _____
10" PVC (C900) Class 200	_____	LF	\$24.00	\$ _____
12" PVC (C900) Class 200	_____	LF	\$27.00	\$ _____
16" PVC (C900) Class 200	_____	LF	\$45.00	\$ _____
20" PVC (C900) Class 200	_____	LF	\$65.00	\$ _____
Service Connections incl. Meter (1.0")	_____	EA	\$1,000.00	\$ _____
Stub (1")	_____	EA	\$400.00	\$ _____
Service Connections incl. Meter (1.5")	_____	EA	\$1,200.00	\$ _____
Stub (1.5")	_____	EA	\$550.00	\$ _____
Service Connections incl. Meter (2.0")	_____	EA	\$1,500.00	\$ _____
Stub (2")	_____	EA	\$650.00	\$ _____
Fire Hydrant	_____	EA	\$2,500.00	\$ _____
Blow-off Valves	_____	EA	\$1,500.00	\$ _____
Air Release Valve	_____	EA	\$2,000.00	\$ _____
8" Gate	_____	EA	\$1,000.00	\$ _____
10" Gate	_____	EA	\$1,000.00	\$ _____
12" Butterfly	_____	EA	\$1,500.00	\$ _____
24" Butterfly	_____	EA	\$2,400.00	\$ _____
Hot Tap	_____	EA	\$1,000.00	\$ _____
4" PVC Sleeves	_____	LF	\$12.00	\$ _____
Concrete Cap	_____	LF	\$300.00	\$ _____

**WATER IMPROVEMENTS – continued**

<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Price</u>	<u>Total</u>
Adjust Water Valve to Grade	_____	EA	\$200.00	\$ _____
12" DIP	_____	LF	\$86.40	\$ _____
14" DIP	_____	LF	\$90.00	\$ _____
16" DIP	_____	LF	\$96.00	\$ _____
18" DIP	_____	LF	\$108.00	\$ _____
20" DIP	_____	LF	\$115.00	\$ _____
24" DIP	_____	LF	\$120.00	\$ _____
30" DIP	_____	LF	\$144.00	\$ _____
32" DIP	_____	LF	\$144.00	\$ _____
36" DIP	_____	LF	\$172.80	\$ _____
42" DIP	_____	LF	\$201.60	\$ _____
Cathodic Protection	_____	LF	\$100.00	\$ _____
Reclaimed Water Line (8" PVC)	_____	LF	\$30.00	\$ _____
<b>Subtotal Water Improvements:</b>				\$ _____

**ELECTRICAL**

<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Price</u>	<u>Total</u>
Traffic Signal 4 way/4 phase	_____	EA	\$150,000.00	\$ _____
Traffic Signal 4 way/8 phase	_____	EA	\$200,000.00	\$ _____
Decorative Streetlight	_____	EA	\$2,000.00	\$ _____
Electrolier (Residential Collector)	_____	EA	\$1,500.00	\$ _____
Electrolier (Industrial/Commercial)	_____	EA	\$2,000.00	\$ _____
Underground PMH4	_____	EA	\$50,000.00	\$ _____
Services (Underground) Conversion	_____	EA	\$4,500.00	\$ _____
Elec. Duct Bank	_____	EA	\$6.00	\$ _____
Elec. Control Box	_____	EA	\$5,000.00	\$ _____
Electrolier Pull Box	_____	EA	\$85.00	\$ _____
<b>Subtotal Electric:</b>				\$ _____

**BORING & JACKING**

<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Price</u>	<u>Total</u>
10" Pipe	_____	LF	\$263.00	\$ _____
12" Pipe	_____	LF	\$327.00	\$ _____
15" Pipe	_____	LF	\$382.00	\$ _____
18" Pipe	_____	LF	\$451.00	\$ _____
21" Pipe	_____	LF	\$499.00	\$ _____
24" Pipe	_____	LF	\$545.00	\$ _____
27" Pipe	_____	LF	\$584.00	\$ _____
30" Pipe	_____	LF	\$622.00	\$ _____
33" Pipe	_____	LF	\$681.00	\$ _____
36" Pipe	_____	LF	\$741.00	\$ _____
42" Pipe	_____	LF	\$835.00	\$ _____
<b>Subtotal Boring &amp; Jacking:</b>				\$ _____

