

TABLE K Public Works Bond Calculation Form

ITEM	UNITS	BOND AMOUNT
STREETS		
2" Asphalt Paving	SY	\$ 6.04
3" Asphalt Paving	SY	\$ 9.09
4" Asphalt Paving	SY	\$ 12.11
5" Asphalt Paving	SY	\$ 15.12
6" Asphalt Paving	SY	\$ 18.90
Type I gravel base	CY	\$ 11.50
Type II gravel base	CY	\$ 11.50
Open Grade	SY	\$ 2.30
Subgrade	SY	\$ 2.50
Excavation in ROW	CY	\$ 2.90
Curb and gutter "L" type	LF	\$ 5.40
Curb and gutter (roll)	LF	\$ 6.52
Driveway (residential)	SF	\$ 4.03
Driveway (commercial)	SF	\$ 4.03
Sidewalk 4"	SF	\$ 2.15
Sidewalk 5"	SF	\$ 2.38
Valley gutter	SF	\$ 5.00
Sidewalk underdrain	EA	\$ 1,150.00
Handicap ramp	EA	\$ 250.00
Streetlight, standard	EA	\$ 2,300.00
Streetlight, concrete pole	EA	\$ 3,200.00
Streetlight, dbl arm, std base	EA	\$ 2,400.00
Streetlight, dbl arm, concrete base	EA	\$ 3,900.00
Streetlight, breakaway base	EA	\$ 2,875.00
Relocate streetlight	EA	\$ 1,500.00
Streetlight, SP/RCOC	EA	\$ 700.00
Steel conduit 1.25"	LF	\$ 5.00
Steel conduit 2"	LF	\$ 5.00
Street light (125 amp)	EA	\$ 2,000.00
Streetlight (200 amp)	EA	\$ 2,000.00
Traffic signal pole and arm	EA	\$ 75,000.00
Traffic signal complete installed	EA	\$ 250,000.00
Traffic signal 3" interconnect cond	LF	\$ 6.00
Traffic signal 4" interconnect cond	LF	\$ 10.00
Concrete barricade	LF	\$ 40.00
Type III Barricade	EA	\$ 650.00
Pullbox #3	EA	\$ 150.00
Pullbox #7	EA	\$ 150.00
Pullbox P30	EA	\$ 550.00
Pullbox P200	EA	\$ 1,600.00
Adjust pullbox	EA	\$ 50.00
Adjust utility box	EA	\$ 250.00
Bus stop shelter	EA	\$ 7,000.00
Bus stop shelter relocate	EA	\$ 3,750.00
Bus turnout	SF	\$ 5.00
Pavement buttons	EA	\$ 1.75
Pavement striping arterial	LF	\$ 12.00
Pavement striping collector	LF	\$ 7.00
Street and Stop signs	EA	\$ 110.00
WATER AND SEWER		
4" Sewer	LF	\$ 11.50
6" Sewer	LF	\$ 14.95
8" Sewer	LF	\$ 17.25
10" Sewer	LF	\$ 23.00
12" Sewer	LF	\$ 30.00

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ITEM	UNITS	BOND AMOUNT
15" Sewer or larger	LF	Bid price
Sewer C900	LF	Bid price
4" Sewer & lateral in paved area	LF	\$ 15.00
8" Sewer in paved area	LF	\$ 22.50
10" Sewer in paved area	LF	\$ 30.00
Steel pipe sleeve	LF	Bid price
Abandon public sewer	LF	\$ 40.00
Flowable backfill	CY	\$ 40.00
Sewer concrete encasement	LF	\$ 18.15
Sewer manholes < 6 feet	EA	\$ 1,035.00
Sewer manholes >6', <18'	EA	\$ 2,070.00
Sewer manhole > 18'	EA	\$ 7,000.00
Sewer drop manhole	EA	\$ 7,500.00
Sewer manhole T-Lock <18'	EA	\$ 3,400.00
Sewer manhole T-Lock >18'	EA	\$ 15,000.00
Deep 60" manhole T-Lock<30'	EA	\$ 15,000.00
Sewer manhole adjustment	EA	\$ 715.00
Backwater valve	EA	\$ 300.00
Water service to lots	EA	\$ 575.00
2" Water	LF	\$ 8.00
4" Water	LF	\$ 11.50
6" Water	LF	\$ 14.38
8" Water	LF	\$ 17.25
10" Water	LF	\$ 23.00
12" Water	LF	\$ 28.75
14" Water	LF	\$ 34.50
16" Water	LF	\$ 41.40
16" and larger water	LF	Bid price
4" Water DIP	LF	Bid price
Water DIP	LF	Bid price
6" Water in paved area	LF	\$ 18.75
8" Water in paved area	LF	\$ 22.50
10" Water in paved area	LF	\$ 30.00
12" Water in paved area	LF	\$ 37.50
Water lateral	LF	\$ 4.00
Irrigation sleeve	LF	\$ 15.00
Landscape water service	EA	\$ 750.00
Fire Hydrant	EA	\$ 2,070.00
Fire Hydrant relocation	EA	\$ 1,725.00
DRAINAGE		
18" Storm drain	LF	\$ 55.00
24" Storm drain	LF	\$ 70.00
30" Storm drain	LF	\$ 75.00
36" Storm drain	LF	\$ 90.00
42" Storm drain	LF	\$ 105.00
48" Storm drain	LF	\$ 125.00
52" Storm drain	LF	\$ 145.00
60" Storm drain	LF	\$ 155.00
Storm drain >60"	LF	Bid Price
Abandon public storm drain	LF	\$ 50.00
Storm drain concrete encasement	LF	\$ 34.25
Drop inlet 4' type A	EA	\$ 2,500.00
Drop inlet 4' type C	EA	\$ 3,300.00
Drop inlet 6' type A	EA	\$ 3,000.00
Drop inlet 6' type C	EA	\$ 3,500.00

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ITEM	UNITS	BOND AMOUNT
Drop inlet 6' CM2	EA	\$ 3,900.00
Drop inlet 8' type A	EA	\$ 3,500.00
Drop inlet 8' CM2	EA	\$ 4,500.00
Drop inlet 10' type A	EA	\$ 4,000.00
Drop inlet 10' CM2	EA	\$ 5,200.00
Drop inlet 12' CM2	EA	\$ 6,000.00
Drop inlet 15' CM2	EA	\$ 7,500.00
Drop inlet 18' CM2	EA	\$ 9,000.00
Drop inlet 20' CM2	EA	\$ 10,000.00
Drop inlet 24" beehive	EA	\$ 2,000.00
Drop inlet 2X2 Jensen	EA	\$ 3,000.00
Drop inlet NDOT type 2	EA	\$ 3,500.00
Drop inlet NDOT type 3	EA	\$ 3,500.00
Remove drop inlet	EA	\$ 5,000.00
Relocate drop inlet	EA	\$ 5,000.00
Floodwall	LF	Bid Price
Drainage easement grass	SF	\$ 4.50
Drainage easement concrete	SF	\$ 7.50
Drainage easement bollard	EA	\$ 250.00
Drainage easement wrought iron	SF	\$ 30.00
SD Manhole 48"	EA	\$ 3,500.00
SD Manhole 60" <6'	EA	\$ 3,500.00
SD Manhole 60" >6'	EA	\$ 4,000.00
SD Manhole 72"	EA	\$ 2,500.00
SD Manhole >18' deep	EA	\$ 4,500.00
Rip Rap	CY	Bid Price
Grouted Rip Rap	CY	Bid Price
Geotextile erosion control	SY	Bid Price
Gabions	CY	Bid Price
Shotcrete	CY	Bid Price
Reinforced Box Culverts	LF	Bid Price
Abandon public RCB	LF	\$ 100.00
TRENCHING AND EMBANKMENT		
Excavation and Embankment	CY	\$ 2.50
Miscellaneous trenching	LF	\$ 5.00
MISCELLANEOUS		
Power to lots	EA	\$ 862.50
Telephone to lots	EA	\$ 250.00
Cable to lots	EA	\$ 250.00
Gas to lots	EA	\$ 500.00
Survey monuments	EA	\$ 465.00
As-Built drawings (per page)	EA	\$ 100.00
Contingencies		10%