

**CITY OF THOUSAND OAKS
PUBLIC WORKS DEPARTMENT**

PUBLIC IMPROVEMENTS COST ESTIMATE WORKSHEET

STREETS, ASPHALT, P.C.C., MISC.

Project No.:

NO.	ITEM	QUANTITY	UNIT	NEW	
				UNIT COST	ITEM COST
1	Aggregate Sub-Base, less than 6" thick		SF	\$0.90	
2	Aggregate Sub-Base, over 6" thick		SF	\$1.20	
3	Aggregate Base, less than 6" thick		SF	\$1.60	
4	Aggregate Base, over 6" thick		SF	\$2.00	
5	Asphalt Concrete, less than 3" thick		SF	\$2.00	
6	Asphalt Concrete, over 3" thick		SF	\$2.50	
7	Asphalt Concrete Overlay, up to 2" thick		SF	\$1.50	
8	Asphalt Concrete Overlay, over 2" thick		SF	\$2.00	
9	Reinforcing Pavement Fabric		SF	\$0.20	
10	Cold Plane Asphalt		SF	\$1.00	
11	Concrete Sidewalk, 4" thick		SF	\$5.00	
12	Concrete Cross Gutter & Spandrel, 7" thick		SF	\$8.00	
13	Concrete Driveway Approach		SF	\$8.00	
14	Concrete Curb		LF	\$15.00	
15	Concrete Curb & Gutter		LF	\$18.00	
16	Asphalt Curb		LF	\$9.00	
17	Rolled Concrete Curb & Gutter		LF	\$20.00	
18	Concrete Ribbon Gutter, 24" min. width		SF	\$9.00	
19	Concrete Cut-off Wall, up to 4' deep		LF	\$15.00	
20	Concrete flat work not listed above		CY	\$250.00	
21	Barricade		LF	\$62.00	
22	Street Name Sign		EA	\$375.00	
23	Traffic Sign, on street name posts		EA	\$260.00	
24	Street Light, Commercial/Residential		EA	\$3,300.00	
25	Sawcut		LF	\$2.00	
26	Redwood Header		LF	\$5.50	
27	Street Tree		EA	\$350.00	
28	Public Right of Way - Landscape & Irrigation		SF	\$7.00	
29	Air Blown Mortar		SF	\$7.00	
30	Raised Pavement Markers		EA	\$8.00	
31	Traffic Striping, single		LF	\$0.50	
32	Traffic Striping, double		LF	\$1.00	
33	Traffic Striping, letters/arrows		EA	\$20.00	
34	Traffic Signal, new 4-way		EA	\$230,000.00	
35	Traffic Signal, new 3-way		EA	\$175,000.00	
36	Traffic Signal, upgrade		LS		
37	Traffic Signal Interconnect		LF	\$20.00	
38	Traffic Signal - Add Detector Camera		EA	\$5,000.00	
39	Concrete Access Ramp w/ Truncated Domes		EA	\$3,200.00	
40	Add Truncated Domes to existing access/ramp		EA	\$600.00	
41	Slurry Backfill (also see water, ww, storm drain sheets)		CY	\$65.00	
42	Remove & Replace AC Pavement on Trench		SF	\$7.50	
43	Remove Concrete		CY	\$85.00	
44	Remove Asphalt Pavement		SF	\$5.50	
45	Remove Conc Sidewalk, Driveway or Cross-gutter		SF	\$7.40	
46	Remove Curb & Gutter		LF	\$8.00	
47	Remove Traffic Striping		LF	\$2.60	
48	Construction Traffic Control		LS		
49	Relocate Power Pole		LS		
50	Trench Safety (includes steel plates, sheet shoring)		LS		
51	Other:				

Streets, A.C., P.C.C., & Misc. Total:

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**CITY OF THOUSAND OAKS
PUBLIC WORKS DEPARTMENT**

PUBLIC IMPROVEMENTS COST ESTIMATE WORKSHEET

STORM DRAIN FACILITIES

Project No.: _____

NO.	ITEM	QUANTITY	UNIT	NEW	
				UNIT COST	ITEM COST
1	Reinforced Concrete (poured-in-place)		CY	\$750.00	
2	Rip Rap, ungrouted		CY	\$130.00	
3	Rip Rap, grouted		CY	\$170.00	
4	Junction Structure, type 331		EA	\$2,700.00	
5	Concrete Collar, type 380		EA	\$350.00	
6	Wingwall & Headwall		EA	\$3,000.00	
7	Manhole, type 320		EA	\$4,500.00	
8	Sidewalk/Parkway Culvert, type 151		EA	\$1,600.00	
9	6" PVC Drain Pipe		LF	\$25.00	
10	8" PVC Drain Pipe		LF	\$35.00	
11	10" PVC Drain Pipe		LF	\$40.00	
12	12" PVC Drain Pipe		LF	\$45.00	
13	18" PVC Drain Pipe		LF	\$55.00	
14	24" PVC Drain Pipe		LF	\$65.00	
15	18" RCP Storm Drain		LF	\$130.00	
16	24" RCP Storm Drain		LF	\$150.00	
17	30" RCP Storm Drain		LF	\$170.00	
18	36" RCP Storm Drain		LF	\$190.00	
19	42" RCP Storm Drain		LF	\$200.00	
20	48" RCP Storm Drain		LF	\$210.00	
21	60" RCP Storm Drain		LF	\$280.00	
22	72" RCP Storm Drain		LF	\$300.00	
23	Catch Basin, 3.5' wide, type 300		EA	\$3,600.00	
24	Catch Basin, 7' wide, type 300		EA	\$5,000.00	
25	Catch Basin, 10' wide, type 300		EA	\$6,000.00	
26	Catch Basin, 12' wide, type 300		EA	\$7,000.00	
27	Catch Basin, 14' wide, type 300		EA	\$8,000.00	
28	Catch Basin, 21' wide, type 300		EA	\$10,000.00	
29	Concrete V/Brow/Terrace Ditch (inc. downdrain)		LF	\$30.00	
30	Remove Storm Drain, 12" to 36"		LF	\$9.00	
31	Remove Storm Drain, over 36"		LF	\$18.00	
32	Detention/Retention/Desilting Basins		LS		
33	SQUIMP/Stormwater Treatment Permanent BMPs		LS		
34	Bio-Remediation Swale / Field		LS		
35	Trench Safety (steel plates, sheet shoring, etc)		LS		
36	Slurry Backfill in trench		CY	\$65.00	
37	Remove & Replace AC Pavement on Trench		SF	\$7.50	
38	Trash Excluder/Screen		LF	\$150.00	
39	Other:				

Storm Drain Facilities Total:

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**CITY OF THOUSAND OAKS
PUBLIC WORKS DEPARTMENT**

PUBLIC IMPROVEMENTS COST ESTIMATE WORKSHEET

CITY WATER FACILITIES

Project No.: _____

NO.	ITEM	QUANTITY	UNIT	NEW	ITEM COST
				UNIT COST	
1	1" Service w/ meter & box, up to 30' run		EA	\$3,000.00	
2	2" Service w/ meter & box, up to 30' run		EA	\$4,500.00	
3	4" C900 PVC Pipe		LF	\$20.00	
4	6" C900 PVC Pipe		LF	\$30.00	
5	8" C900 PVC Pipe		LF	\$40.00	
6	10" C900 PVC Pipe		LF	\$45.00	
7	12" C900 PVC Pipe		LF	\$50.00	
8	6" Ductile Iron Pipe		LF	\$35.00	
9	8" Ductile Iron Pipe		LF	\$45.00	
10	10" Ductile Iron Pipe		LF	\$60.00	
11	12" Ductile Iron Pipe		LF	\$70.00	
12	6" CML&C Steel Pipe		LF	\$60.00	
13	8" CML&C Steel Pipe		LF	\$80.00	
14	10" CML&C Steel Pipe		LF	\$100.00	
15	12" CML&C Steel Pipe		LF	\$120.00	
16	2" Blow-off		EA	\$1,800.00	
17	4" Blow-off		EA	\$3,600.00	
18	Fire Hydrant Upgrade		EA	\$2,000.00	
19	Fire Hydrant - Residential 2-way		EA	\$4,500.00	
20	Fire Hydrant - Commercial 3-way		EA	\$8,000.00	
21	6" Tee		EA	\$360.00	
22	6" x 8" Tee		EA	\$420.00	
23	8" Tee		EA	\$420.00	
24	10" x 6" Tee		EA	\$600.00	
25	10" Tee		EA	\$700.00	
26	12" Tee		EA	\$900.00	
27	6" Elbow		EA	\$200.00	
28	8" Elbow		EA	\$250.00	
29	10" Elbow		EA	\$450.00	
30	12" Elbow		EA	\$600.00	
31	6" Valve		EA	\$1,100.00	
32	8" Valve		EA	\$1,300.00	
33	10" Valve		EA	\$1,600.00	
34	12" Valve		EA	\$1,950.00	
35	8" x 6" Reducer		EA	\$300.00	
36	10" x 8" Reducer		EA	\$400.00	
37	12" x 8" Reducer		EA	\$700.00	
38	12" x 10" Reducer		EA	\$750.00	
39	8" Cross		EA	\$800.00	
40	10" Cross		EA	\$1,000.00	
41	1" Comb. Air Release Assembly		EA	\$2,000.00	
42	2" Comb. Air Release Assembly		EA	\$3,000.00	
43	6" Hot Tap Assembly		EA	\$2,800.00	
44	8" Hot Tap Assembly		EA	\$4,300.00	
45	10" Hot Tap Assembly		EA	\$5,300.00	
46	12" Hot Tap Assembly		EA	\$6,700.00	
47	Abandon Existing Main (remove or slurry)		LF	\$10.00	
48	Adjust Valve Box to Grade		EA	\$350.00	
49	Concrete Encasement <10" Pipe Diameter		LF	\$30.00	
50	Concrete Encasement 10" or greater Diameter		LF	\$50.00	
51	Slurry Backfill in trench		CY	\$65.00	
52	Remove & Replace AC Pavement on Trench		SF	\$7.50	
53	Backflow / Cross Connection Devices		LS		
54	Trench Safety (steel plates, sheet shoring, etc)		LS		
55	Other:				

Water Facilities Total:

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**CITY OF THOUSAND OAKS
PUBLIC WORKS DEPARTMENT**

PUBLIC IMPROVEMENTS COST ESTIMATE WORKSHEET

CITY WASTEWATER FACILITIES

Project No.: _____

				NEW	
NO.	ITEM	QUANTITY	UNIT	UNIT COST	ITEM COST
1	6" PVC / VCP Pipe, up to 14' deep		LF	\$25.00	
2	8" PVC / VCP Pipe, up to 14' deep		LF	\$35.00	
3	10" PVC/ VCP Pipe, up to 14' deep		LF	\$40.00	
4	12" PVC/ VCP Pipe, up to 14' deep		LF	\$45.00	
5	15" PVC/ VCP Pipe, up to 14' deep		LF	\$60.00	
6	18" PVC / VCP Pipe, up to 14' deep		LF	\$80.00	
7	Trenching, extra per foot of depth over 14'		LF	\$3.50	
8	6" Duct. Iron Pipe		LF	\$35.00	
9	8" Duct. Iron Pipe		LF	\$45.00	
10	10" Duct. Iron Pipe		LF	\$60.00	
11	12" Duct. Iron Pipe		LF	\$70.00	
12	4" PVC Residential Lateral		LF	\$20.00	
13	6" PVC Commercial Lateral		LF	\$25.00	
14	Manhole, 48" diam., depth to 8'		EA	\$4,500.00	
15	Manhole, 60" diam., depth to 8'		EA	\$5,500.00	
16	Manholes, extra depth over 8' (each add'l foot)		VF	\$250.00	
17	Chimney		EA	\$1,100.00	
18	Cleanout		EA	\$1,000.00	
19	Concrete Encasement		LF	\$30.00	
20	Concrete Trench Slab		LF	\$9.00	
21	Abandon Existing Main		LF	\$10.00	
22	Special Structures (Specify)		LS		
23	Adjust Manhole to Grade		EA	\$400.00	
24	Manhole Ring & Cover (Cast Iron)		EA	\$500.00	
25	Remodel Manhole Base		EA	\$1,400.00	
26	Slurry Backfill in trench		CY	\$65.00	
27	Remove & Replace AC Pavement on Trench		SF	\$7.50	
28	Trench Safety (steel plates, sheet shoring, etc)		LS		
29	Other:				

Wastewater Facilities Total:

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