

Section I—EARTHWORK				
ITEM		DESCRIPTION	UNIT	\$ PRICE



**CITY OF DANA POINT
DEVELOPMENT REVIEW**

COST ESTIMATE UNIT PRICE LIST

May 2002

Section I—EARTHWORK				
ITEM		DESCRIPTION	UNIT	\$ PRICE

TABLE OF CONTENTS

SECTION AND TOPICS	PAGE
INTRODUCTION.....	i
I EARTHWORK.....	1
Embankment	
Excavation	
Export/Import	
II DRAINAGE/STORM DRAIN AND EROSION/SEDIMENT CONTROL	2
Private Improvements	
III STREET/SURFACE IMPROVEMENTS.....	6
IV TRAFFIC	7
Traffic Signal and Sign	
Traffic Control	
Street Light	
Striping	
V LANDSCAPE AND IRRIGATION	8
Planting	
Irrigation	
VI MISCELLANEOUS	9

Section I—EARTHWORK					
ITEM		DESCRIPTION		UNIT	\$ PRICE

INTRODUCTION

The purpose of the unit price list is to provide a guide for the preparation of cost estimates for subdivision and permit projects and should be used only for bonding and permitting purpose. This price list does not reflect the actual project costs. The Unit Price List contains seven sections, which include Earthwork, Drainage, Surface Improvements, Traffic, Utilities, Landscaping and Miscellaneous items. Each section is organized in alphabetical order for easy use.

Please note that a 10% contingency factor must be applied for all public improvements.

The Price List information contained in this publication has been compiled from various sources. These sources include private consultants and developers, other City sections and departments, other public agencies and previous City project bid items. This Unit Price Listing will be updated periodically as needed. If you have any suggestions or comments, please contact the Engineering Department. Your suggestions and comments will be considered during the next revision of the Unit Price List.

Grading					
Embankment/Excavation		0-1000		CY	9.00
		1001-20,000		CY	5.50
		20,001-100,000		CY	4.50
		100,001-350,000		CY	3.75
		350,001 +		CY	3.20
				CY	
Export or Import		0-1,000		CY	18.00
		1,001 +		CY	9.25
Clearing and Grubbing				SF	0.35

Section II—DRAINAGE, STORM DRAIN, AND EROSION CONTROL					
ITEM		DESCRIPTION		UNIT	\$ PRICE
AC Spillway		1321		Each	300.00
Box Culvert		P.C.C.		CY	1,025.00
Curb Inlet		Remove Existing		EA	1,775.00
		(1302)		EA	3,850.00
		(1303)		EA	4,200.00
Culvert, Reinforced Concrete Pipe (RCP)		12" or less		LF	40.00
		18"		LF	90.00
		24"		LF	100.00
		30"		LF	115.00
		36"		LF	145.00
		42"		LF	165.00
		48"		LF	175.00
		64"		LF	200.00
		60"		LF	250.00
		72"		LF	290.00
		84"		LF	350.00
Culvert, PVC Pipe		4"–6"		LF	12.00
		8"–12"		LF	25.00
		18"		LF	60.00
		24"		LF	75.00
		30"		LF	85.00
		36"		LF	95.00
		42"		LF	100.00
		48"		LF	105.00
Culvert, Parkway		Type "A" (1309)		EA	2,350.00
		Type "B" (1309)		EA	2,150.00
		Type "C" (1309)		EA	1,750.00
		Private Curbcore 3" PVC		EA	500.00
Concrete		Structural		CY	550.00
		Minor Structures		CY	1,200.00
Concrete Pavement, Sidewalk, Driveway:		3" thick		SF	4.30
		4" thick		SF	4.90
		6" thick		SF	6.10
		8" thick		SF	6.70
		2"x4" (Header)		LF	1.75
		2"x6" (Header)		LF	2.20
Concrete Pipe-Slope Anchor		(1333)		EA	300.00
Downdrain to Pipe Transition		(1331)		EA	500.00

Section II—DRAINAGE, STORM DRAIN, AND EROSION CONTROL					
ITEM		DESCRIPTION		UNIT	\$ PRICE
Down Drain		(1321)			
Drainage Ditch (Brow)				LF	14.00
Drainage Inlet		Temporary (1330)		EA	350.00
Inlet, Curb		Type I (1301)		EA	3,550.00
		Type II (1302)		EA	3,900.00
		Type III (1303)		EA	3,850.00
		Type IV (1304)		EA	3,150.00
Inlet, C.S.P.		Type V (1305)		EA	750.00
Junction Structure		Type I (1310)		EA	4,000.00
		Type II (1311)		EA	4,300.00
		Type III (1312)		EA	4,100.00
		Type IV (1313)		EA	4,300.00
		Type V (1314)		EA	4,100.00
Concrete Lug		Type VI (1315)		EA	700.00
Adjust Storm Drain Cleanout to Grade				EA	562.00
Geotextiles for Subdrain		Type I non-woven fabric (1808)		SF	10.00
Geotextiles for Bank Protection		Type II non-woven fabric below rip-rap (1808)		SF	10.00
Pipe Collar, Reinforced-Concrete		(1317)		EA	2,500.00
Terrace Drain & Down Drain Intersect		(1321)		EA	750.00
Culvert Debris Wall				EA	500.00
Headwalls				EA	2,500.00
Reinforcing Pipe Collar		(1317)		EA	2,500.00
Rip-Rap Energy Dissipator		¼ Ton (1809)		CY	150.00
		½ Ton		CY	160.00
		1 Ton		CY	170.00
		2 Ton		CY	180.00
		4 Ton		CY	200.00
Rip-Rap, Grouted		0.25 Ton (1809)		CY	155
		½ Ton (1809)		CY	170
		1 Ton (1809)		CY	185

Section II—DRAINAGE, STORM DRAIN, AND EROSION CONTROL					
ITEM		DESCRIPTION		UNIT	\$ PRICE
		2 Ton (1809)		CY	200
		4 Ton (1809)		CY	225
Sub drain		4–6"		LF	30.00
Subdrain headwall		8"		LF	1,100.00
Erosion/Sediment Control					
Geotextiles for Silt Fence		Type I woven fabric (1808)		SF	.75
Geotextiles for Shore Protection		Type III non-woven fabric below shore armor (1808)		SF	1.50
Sand/Gravel bag				EA	1.10
Desilting Basin		(1327)			2,500
Stabilized Construction Area				SF	1.25
Storm Drain Inlet Protection					
Fiber Mat				SF	0.40
Fiber Rolls				LF	2.25

Section II—DRAINAGE, STORM DRAIN, AND EROSION CONTROL						
ITEM		DESCRIPTION		UNIT		\$ PRICE
Hydro-Seed				SF		0.20
Silt Fence				LF		1.60
Straw bales				EA		5.00
Straw Mat				SF		0.28
Wood Chips				SF		0.30
Sandbag Velocity Reducer		(1328) cost per bag				
Sub-drain		4–6"		LF		30.00
		8"		LF		35.00
Sub-drain headwall				EA		2,500.00
SMALL						
Inlets		6" Atrium Grate		EA		75
		12"x12" Grate		EA		125
		18"x18" Grate		EA		150
		24"x24" Grate		EA		200

Section III—STREET/SURFACE IMPROVEMENTS					
ITEM		DESCRIPTION		UNIT	\$ PRICE
Alley Apron				SF	5.50
Paving, AC		0.5" Surface (1805)		SF	0.75
		2" Surface		SF	0.90
		3" Surface		SF	1.30
		4" Surface		SF	1.75
		5" Surface		SF	2.15
		Temporary, for trenches		Ton	61.00
AC Pavement & Resurfacing		4" thick		SF	1.95
		6" thick		SF	2.80
		8" thick		SF	3.80
Paving, CTB		4" Surface		SF	0.70
		5" Surface		SF	0.75
		6" Surface		SF	0.95
		8" Surface		SF	1.20
		10" Surface		SF	1.50
Paving, PCC		5"		SF	3.20
		5.5"		SF	3.80
		6"		SF	4.20
		8"		SF	4.40
		9"		SF	4.80
Paving		Sawcut AC/PCC		LF	3.00
		Remove Existing		SF	1.00
		Preparation of Subgrade		SF	0.40
Paving		Pattern-Stamped Median (1807)		SF	5.85
Paving Preparation of Subgrade		1806		SF	0.40
Remove Bituminous pvmt		per inch of thickness		SF	0.25
Curb & Gutter		Removal (1801.20)		LF	5.85
		6" Type		LF	14.50
		8" Type		LF	15.50
		Rolled (Private Street) (1201)		LF	19.00
Cross Gutter (Steep Grades)		Special (1208)		SF	7.50
Curb Ramp		1115			
Driveway		Removal		SF	3.10
		Installation (1209)		SF	6.00
Median		Stamped Concrete		SF	5.00
		Decorative concrete		SF	6.50
		Interlocking Pavers		SF	10.50

Section III—STREET/SURFACE IMPROVEMENTS					
ITEM		DESCRIPTION		UNIT	\$ PRICE

Redwood Header		2"x6"		LF	5.30
		Remove Existing		LF	1.00
Sidewalk		Removal *1801.20)		SF	1.75
		0-5000 (1205)		SF	4.00
		5000+ (1205)		SF	3.25
		Ramp		EA	800.00
Survey Monument				EA	500.00
Trench Resurfacing				LF	23.00

Section IV—TRAFFIC					
ITEM		DESCRIPTION		UNIT	\$ PRICE
Detector Loops				EA	450.00
Pull Box				EA	240.00
Relocate Pull Box				EA	400.00
Remove Striping				LF	2.00
Relocate Existing Power Pole				EA	13,000.00
Street Light		L.P. Sodium		EA	4,200.00
		H.P. Sodium		EA	4,200.00
Street Name Sign				EA	200.00
Traffic Striping and Pavement Markings		0–4,000 (1801.18)		LF	0.65
		4,000 + (1801.18)		LF	0.40
Traffic Signal (Based on number of lanes at intersection)		2 x 2		LS	105,000.00
		4 x 2		LS	115,000.00
		4 x 2		LS	120,000.00
		4 x 4		LS	130,000.00
		4 x 6		LS	140,000.00
		6 x 6		LS	230,000.00
Traffic Signal Interconnection				LF	15.00
Traffic Control (Estimated Improvement)		0–\$1,000,000		LS	5%
		\$1,000,000		LS	3%
Temporary Concrete Barrier		Type K		LF	17.50

Section V—LANDSCAPING AND IRRIGATION					
ITEM		DESCRIPTION		UNIT	\$ PRICE
Shrubs		1-Gallon		EA	6.00
		5-Gallon		EA	20.00
Slope Planting		Ground Cover		1,000 SF	475.00
		Ground Cover, Trees, and Shrubs		1,000 SF	785.00
		Hydro-Seeding		1,000 SF	125.00
Trees		Remove Existing		EA	585.00
		1-Gallon? (1700)		EA	6.00
		2-Gallon? (1700)		EA	20.00
		5-Gallon		EA	15.00
		15-Gallon		EA	100.00
		24" Box		EA	250.00
		36" Box		EA	350.00
		48" Box		EA	650.00
Street Trees		15-gallon		EA	
		14-inch Box		EA	350.00
Tree Root Barrier		(1708)			
Tree Grate				Each	480.00
		IRRIGATION			
Backflow Prevention Assembly		W/enclosure		EA	1,650.00
Slope Irrigation		1,000		SF	585.00

Section VI—MISCELLANEOUS					
ITEM		DESCRIPTION		UNIT	\$ PRICE
Bridge		Vehicular		SF	250.00
		Pedestrian		SF	200.00
Crash Cushion		G.R.E.A.T.		EA	36,800.00
Excavation		For Structures		CY	31.00
Fence		Remove Existing Chain-Link Fence		LF	5.85
Fence, Chain Link		4' (600-0-OC)		LF	12.50
		5' (600-0-OC)		LF	14.00
		6' (600-0-OC)		LF	16.00
Guard Rail		Metal Beam		LF	300.00
Guard Post				EA	240.00
Guard Barricade				EA	450.00
Median Barrier				EA	55.00
Shoring		5–10 ft. deep		LF	11.20
		11–15 ft. deep		LF	17.40
		16–20 ft. deep		LF	25.00
Survey Monument					
Block Wall, 6-foot		(1414) (1415)		SF	15.00
Wall, Retaining		Masonry (618-0)		SF	29.65
		Reinforced Concrete		CY	675.00
		Gravity		SF	22.00
		Crib		SF	25.00

UNIT ABBREVIATIONS: CF (Cubic Feet), CY (Cubic Yard), EA (Each), GAL (Gallon), LF (Linear Foot), LS (Lump Sum), SF (Square Foot).
() Numbers in parenthesis indicate Public Facilities & Resources Department (PF&RD) Standard Plans, 1996 Edition.

N:\195\621402\02\Misc\3Cost Estimate Unit Price List2.doc