

**CITY OF HEMET ENGINEERING DIVISION
ENGINEER'S ESTIMATE WORKSHEET
for BONDING, PLAN CHECK and INSPECTION FEE CALCULATION**

PARCEL MAP OR TRACT No. _____ DATE: _____
 AUP/CUP/SDR No. _____ BY: _____
 IMPROVEMENT: _____
 DEVELOPER: _____ OWNER: _____
 TELEPHONE #: _____ FAX #: _____

IMPROVEMENTS		FAITHFUL PERFORMANCE SECURITY	LABOR & MATERIAL SECURITY
Streets/Drainage	\$0	\$0	\$0
Flood Control*	\$0	\$0	\$0
Water District	\$0	\$0	\$0
Sewer District	\$0	\$0	\$0
TOTAL	\$0	\$0	\$0

*Flood Control Construction Cost Estimate to be provided by Flood Control District. Provide copy of F.S.D. letter stating cost estimate

DESIGN ENGINEER'S CALCULATION OF IMPROVEMENT BONDING COSTS

Construction items and their quantities as shown on attached sheets are accurate for improvements required to construct the above project, and the mathematical extensions, using the City of Hemet unit costs are accurate for determining bonding costs.

Name: _____

Signature: _____

Civil Engineer's Stamp

City's Approval: _____

Date: _____

*******PLEASE READ INSTRUCTIONS BELOW*******

- Quantities to be from improvement plans. Unit costs to be as provided on the following "City of Hemet Improvement Requirement Worksheet".
- Show Performance Bond and Material Bond Amounts to the nearest \$500.**
Performance and Labor & Material Bond amounts are 100% of Cost Estimates. 100% for Flood Control items.
- For construction items not covered by the "City of Hemet Improvement Requirement Worksheet", Design Engineer is to provide their opinion of construction cost and use that cost.

**CITY OF HEMET ENGINEERING DIVISION
IMPROVEMENT REQUIREMENT WORKSHEET**

PROJECT 0 0 DATE 0-Jan-00

STREET IMPROVEMENTS

Quantity	Unit	Item	Unit Cost	Amount
ROADWAY EXCAVATION				
	C.Y.	1. Projects with a Grading Plan Area x 0.50 (hinge point to hinge point)	\$20.00	\$0.00
		2. Projects without a Grading Plan Road area and side slopes to daylight Cut (c)= Fill (f)=		
	C.Y.(c or f)	(A) Excavate and Fill	\$0.40	\$0.00
	C.Y.(c-f)	(B) Excavate and Export	\$1.10	\$0.00
	C.Y.(f-c)	(C) Import and Fill	\$2.80	\$0.00
If balance, provide (a) only, either cut or fill If export, provide (a)&(b) a+fill b=cut-fill If import, provide (A)&(C) a=cut c=fill-cut Unit costs for (A), (B) and (C) are 20% of actual costs to assure that work will be corrected to eliminate hazardous conditions.				
	L.F.	Sawcut Existing A.C. Pavement	\$1.00	\$0.00
	S.F.	Cold Plane A.C. Pavement	\$0.50	\$0.00
	S.Y.	Grinding A.C. in Place	\$0.60	\$0.00
	S.Y.	Remove A.C. Pavement	\$0.60	\$0.00
	L.F.	Remove Curb and Gutter	\$18.00	\$0.00
	L.F.	Remove A.C. Dike	\$3.00	\$0.00
	S.F.	Remove Sidewalk	\$10.00	\$0.00
	S.F.	Remove Cross Gutter & Spandrel	\$2.00	\$0.00
	L.F.	Remove Chain Link Fence	\$7.50	\$0.00
	L.F.	Remove Barricade	\$10.00	\$0.00
	Ton	Asphalt Concrete (S.F.) - 144 lbs/cubic foot	\$90.00	\$0.00
	C.Y.	Agg Base Class II (S.F.)	\$50.00	\$0.00
	Ton	Asphalt Emulsion (Fog Seal/Paint Binder) 1 ton - 240 gals (S.F.) Apply at 0.05 + 0.03 = 0.08 gal/S.Y.	\$600.00	\$0.00
	S.F.	AC Overly (min. 0.10')	\$0.90	\$0.00
	L.F.	Curb and Gutter (Type A-6)	\$10.00	\$0.00
	L.F.	Curb and Gutter (Type A-8)	\$12.00	\$0.00
	L.F.	Type "C" Curb	\$10.00	\$0.00
	L.F.	Type "D-1" Curb	\$15.00	\$0.00

**CITY OF HEMET ENGINEERING DIVISION
IMPROVEMENT REQUIREMENT WORKSHEET**

PROJECT 0 0 DATE 0-Jan-00

STREET IMPROVEMENTS (CONTINUED)

Quantity	Unit	Item	Unit Cost	Amount
	L.F.	A.C. Dike (6")	\$8.00	\$0.00
	L.F.	A.C. Dike (8")	\$10.00	\$0.00
	S.F.	P.C.C. Cross Gutter and Spandrels	\$10.00	\$0.00
	S.F.	P.C.C. Sidewalk	\$6.00	\$0.00
	S.F.	P.C.C. Drive Approach	\$8.00	\$0.00
	S.F.	P.C.C. Dip Section Standard 307	\$6.00	\$0.00
	EA.	Handicapped Access Ramp	\$1,500.00	\$0.00
	C.Y.	Structural Reinforced Concrete	\$400.00	\$0.00
	L.F.	Barricades	\$100.00	\$0.00
	L.F.	Metal Beam Guard Railing	\$35.00	\$0.00
	L.F.	Dry Utility Trench - Total Length of Streets	\$10.00	\$0.00
	L.F.	Chain Link Fence (6')	\$15.00	\$0.00
	L.F.	Relocate Fence	\$12.00	\$0.00
	EA.	Pipe Gate	\$1,000.00	\$0.00
	EA.	Relocate Power Pole	\$10,000.00	\$0.00
	EA.	Street Lights (including conduit)	\$5,000.00	\$0.00
	EA.	Concrete Bulkhead	\$200.00	\$0.00
	EA.	Slope Anchors for Pipes	\$300.00	\$0.00
	C.Y.	Cut Off Wall (Standard 2')	\$400.00	\$0.00
	EA.	A.C. Overside Drain	\$500.00	\$0.00
	EA.	Under Sidewalk Drain (Standard 309)	\$2,000.00	\$0.00
	EA.	Flat Outlet Structure (Standard 303)	\$200.00	\$0.00
	EA.	Curb Outlet Structure (Standard 308)	\$200.00	\$0.00
	S.F.	Terrace Drains and Down Drains	\$6.50	\$0.00
	S.F.	Intercceptor Drains	\$6.50	\$0.00
	C.Y.	R.C. Box Culvert	\$400.00	\$0.00
	C.Y.	Concrete Channel	\$200.00	\$0.00
	C.Y.	Rip Rap (1/4 Ton) Method B	\$40.00	\$0.00
	C.Y.	Rip Rap (1/2 Ton) Method B	\$45.00	\$0.00
	C.Y.	Rip Rap (1 Ton) Method B	\$50.00	\$0.00
	C.Y.	Rip Rap (2 Ton) Method B	\$55.00	\$0.00
	C.Y.	Grouted Rip Rap (1/4 Ton) Method B	\$60.00	\$0.00

**CITY OF HEMET ENGINEERING DIVISION
IMPROVEMENT REQUIREMENT WORKSHEET**

PROJECT 0 0 DATE 0-Jan-00

STREET IMPROVEMENTS (CONTINUED)

Quantity	Unit	Item	Unit Cost	Amount
	C.Y.	Grouted Rip Rap (1/2 Ton) Method B	\$45.00	\$0.00
	C.Y.	Grouted Rip Rap (1 Ton) Method B	\$75.00	\$0.00
	C.Y.	Grouted Rip Rap (2 Ton) Method B	\$80.00	\$0.00
	L.F.	18" R.C.P.	\$60.00	\$0.00
	L.F.	24" R.C.P.	\$70.00	\$0.00
	L.F.	30" R.C.P.	\$80.00	\$0.00
	L.F.	36" R.C.P.	\$90.00	\$0.00
	L.F.	42" R.C.P.	\$100.00	\$0.00
	L.F.	48" R.C.P.	\$110.00	\$0.00
	L.F.	54" R.C.P.	\$130.00	\$0.00
	L.F.	60" R.C.P.	\$150.00	\$0.00
	L.F.	18" C.S.P. or 21" x 15" C.S.P.A.	\$40.00	\$0.00
	L.F.	24" C.S.P. or 28" x 20" C.S.P.A.	\$50.00	\$0.00
	L.F.	30" C.S.P. or 35" x 24" C.S.P.A.	\$60.00	\$0.00
	L.F.	36" C.S.P. or 42" x 29" C.S.P.A.	\$70.00	\$0.00
	L.F.	42" C.S.P. or 49" x 33" C.S.P.A.	\$80.00	\$0.00
	L.F.	48" C.S.P. or 57" x 38" C.S.P.A.	\$100.00	\$0.00
	L.F.	54" C.S.P. or 64" x 43" C.S.P.A.	\$110.00	\$0.00
	L.F.	60" C.S.P. or 71" x 47" C.S.P.A.	\$120.00	\$0.00
	EA.	Catch Basins W = 3.5'	\$2,500.00	\$0.00
	EA.	Catch Basins W = 7'	\$3,000.00	\$0.00
	EA.	Catch Basins W = 14'	\$6,000.00	\$0.00
	EA.	Catch Basins W = 21'	\$9,000.00	\$0.00
	EA.	Catch Basins W = 28'	\$12,000.00	\$0.00
	EA.	Type IX Inlet	\$2,500.00	\$0.00
	EA.	Type X Inlet	\$2,500.00	\$0.00
	EA.	Junction Structure No. 1	\$3,000.00	\$0.00
	EA.	Junction Structure No. 4	\$3,000.00	\$0.00
	EA.	Junction Structure No. 6	\$3,700.00	\$0.00
	EA.	Transition Structure No. 1	\$12,500.00	\$0.00
	EA.	Transition Structure No. 2	\$12,500.00	\$0.00
	EA.	Transition Structure No. 3	\$2,700.00	\$0.00
	EA.	Manhole No. 1	\$2,700.00	\$0.00

**CITY OF HEMET ENGINEERING DIVISION
IMPROVEMENT REQUIREMENT WORKSHEET**

PROJECT 0 0 DATE 0-Jan-00

STREET IMPROVEMENTS (CONTINUED)

Quantity	Unit	Item	Unit Cost	Amount
	EA.	Manhole No. 2	\$3,300.00	\$0.00
	EA.	Manhole No. 3	\$2,700.00	\$0.00
	EA.	Manhole No. 4	\$5,000.00	\$0.00
	L.S.	WQMP Facilities		\$0.00
	L.S.	Detention Basin		\$0.00
	EA.	Discharge Pumps		\$0.00
	EA.	Adjust MH to Grade	\$400.00	\$0.00
SIGNING, STRIPING AND TRAFFIC SIGNALS				
	S.F.	Remove Traffic Stripes and Markings	\$2.50	\$0.00
	EA.	Remove Sign, Salvage	\$50.00	\$0.00
	EA.	Relocate Roadside Sign	\$100.00	\$0.00
	EA.	Street Name Sign	\$275.00	\$0.00
	EA.	Install Sign (Strap & Saddle Bracket Method)	\$100.00	\$0.00
	EA.	Install Sign (Mast Arm Hanger Method)	\$100.00	\$0.00
	EA.	Road Sign - One Post	\$250.00	\$0.00
	EA.	Road Sign - Two Posts	\$400.00	\$0.00
	EA.	Object marker - Modified Type "F" Delineator	\$60.00	\$0.00
	EA.	Delineator (Class 1 Type F)	\$40.00	\$0.00
	EA.	Delineator (Class 2)	\$45.00	\$0.00
	EA.	Pavement Marker, Reflective	\$3.75	\$0.00
	L.F.	Paint Traffic Stripe (2 Coats)	\$0.30	\$0.00
	L.F.	4" Thermoplastic Traffic Stripe	\$0.30	\$0.00
	L.F.	8" Thermoplastic Traffic Stripe	\$0.60	\$0.00
	S.F.	Thermoplastic Channelizing Limit Line and Markings	\$2.25	\$0.00
	S.F.	Thermoplastic Crosswalk and Pavement Marking	\$3.00	\$0.00
	L.S.	Traffic Control Plans		\$0.00
	L.S.	Traffic Signal	\$180,000.00	\$0.00
LANDSCAPING & IRRIGATION				
	S.F.	Colored Stamped Concrete	\$10.00	\$0.00
	S.F.	Street Trees (24" Box)	\$100.00	\$0.00
	EA.	Street Trees (15 Gallon)	\$300.00	\$0.00
	S.F.	Landscape and Irrigation	\$3.50	\$0.00

**CITY OF HEMET ENGINEERING DIVISION
IMPROVEMENT REQUIREMENT WORKSHEET**

PROJECT 0 0 DATE 0-Jan-00

STREET IMPROVEMENTS (CONTINUED)

Quantity	Unit	Item	Unit Cost	Amount
	C.Y.	Landscape Fill Material	\$27.00	\$0.00
	EA.	Water Meter	\$7,000.00	\$0.00
	EA.	Electric Meter	\$10,000.00	\$0.00
	EA.	Pedestrian Walkway Lights	\$2,500.00	\$0.00
	EA.	RP Device and Enclosure	\$2,000.00	\$0.00
	EA.	Service Connection	\$475.00	\$0.00
	EA.	Standard Meter Installation	\$7,000.00	\$0.00
	EA.	Deletion of Existing Waver Service	\$300.00	\$0.00
	EA.	Meter Pedestal for Irrigation System	\$500.00	\$0.00
OTHER ITEMS				
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00

STREETS/DRAINAGE SUBTOTAL	\$0.00
PLEASE USE THIS FORMULA ONLY IF BONDS ARE REQUIRED FOR PROJECT	
BOND AMOUNT For Recordation Prior to having signed Plan	
A. Streets/Drainage Total Without Bond	\$0.00
B. A x 20% for Maps (5% for AUP/CUP/SDR) =	
C. STREETS/DRAINAGE BOND AMOUNT A + B =	\$0.00

**CITY OF HEMET ENGINEERING DIVISION
IMPROVEMENT REQUIREMENT WORKSHEET**

PROJECT 0 0 DATE 0-Jan-00

WATER IMPROVEMENTS

Quantity	Unit	Item	Unit Cost	Amount
	L.F.	4" Waterline	\$13.00	\$0.00
	L.F.	6" Waterline	\$16.00	\$0.00
	L.F.	8" Waterline	\$21.00	\$0.00
	L.F.	10" Waterline	\$27.00	\$0.00
	L.F.	12" Waterline	\$31.00	\$0.00
	EA.	4" Gatevalve	\$650.00	\$0.00
	EA.	6" Gatevalve	\$800.00	\$0.00
	EA.	8" Gatevalve	\$850.00	\$0.00
	EA.	10" Gatevalve	\$1,050.00	\$0.00
	EA.	12" Gatevalve	\$1,250.00	\$0.00
	EA.	Fire Hydrants (6") Super	\$2,500.00	\$0.00
	EA.	Fire Hydrants (6") Standard	\$2,300.00	\$0.00
	EA.	4" Miscellaneous Fittings	\$150.00	\$0.00
	EA.	6" Miscellaneous Fittings	\$200.00	\$0.00
	EA.	8" Miscellaneous Fittings	\$250.00	\$0.00
	EA.	10" Miscellaneous Fittings	\$280.00	\$0.00
	EA.	12" Miscellaneous Fittings	\$320.00	\$0.00
	EA.	Blowoffs (4")	\$1,600.00	\$0.00
	EA.	Service Connections	\$475.00	\$0.00
	EA.	Adjust Water Valve to Grade	\$200.00	\$0.00
	EA.	Relocation of Blowoff	\$1,000.00	\$0.00
	EA.	Air and Vacuum Valve	\$1,850.00	\$0.00
	EA.	Hot Tap Existing Waterline	\$2,500.00	\$0.00

WATER IMPROVEMENTS SUBTOTAL	\$0.00
PLEASE USE THIS FORMULA ONLY IF BONDS ARE REQUIRED FOR PROJECT	
BOND AMOUNT For Recordation Prior to having signed Plan	
A. Water Total Without Bond	\$0.00
B. A x 20% for Maps (5% for AUP/CUP/SDR) =	
C. WATER BOND AMOUNT A + B =	\$0.00

**CITY OF HEMET ENGINEERING DIVISION
IMPROVEMENT REQUIREMENT WORKSHEET**

PROJECT 0 0 DATE 0-Jan-00

SEWER IMPROVEMENTS

Quantity	Unit	Item	Unit Cost	Amount
	L.F.	4" P.V.C. - SDR 35	\$15.00	\$0.00
	L.F.	6" P.V.C. - SDR 35	\$25.00	\$0.00
	L.F.	8" P.V.C. - SDR 35	\$30.00	\$0.00
	L.F.	10" P.V.C. - SDR 35	\$35.00	\$0.00
	L.F.	12" P.V.C. - SDR 35	\$40.00	\$0.00
	EA.	Standard Manholes	\$2,500.00	\$0.00
	EA.	Drop Manholes	\$4,000.00	\$0.00
	EA.	Cleanouts	\$500.00	\$0.00
	EA.	Sewer Y's	\$30.00	\$0.00
	EA.	Chimneys	\$400.00	\$0.00
	EA.	Adjust Manhole to Grade	\$500.00	\$0.00
	L.F.	Concrete Encasement	\$35.00	\$0.00
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SEWER IMPROVEMENTS SUBTOTAL	\$0.00
PLEASE USE THIS FORMULA ONLY IF BONDS ARE REQUIRED FOR PROJECT	
BOND AMOUNT For Recordation Prior to having signed Plan	
A. Sewer Total Without Bond	\$0.00
B. A x 20% for Maps (5% for AUP/CUP/SDR) =	
C. SEWER BOND AMOUNT A + B =	\$0.00

**CITY OF HEMET ENGINEERING DIVISION
PLAN CHECK & INSPECTION FEE CALCULATION SHEET**

PARCEL/TRACT No.

0

DATE:

0-Jan-00

AUP/CUP/SDR No.

Offsite Improvements

BY:

IMPROVEMENT COSTS (Including Contingencies)

I. Street/Drainage (Line C from Page 6)	\$0.00
II. Water (Line C from Page 7)	\$0.00
III. Sewer (Line C from Page 8)	\$0.00

PLAN CHECK FEE CALCULATION

A. Streets/Drainage (4% x I)	\$0.00
B. Water (4% x II)	\$0.00
C. Sewer (4% x III)	\$0.00
D. TOTAL PLAN CHECK FEE (A + B + C)	\$0.00

INSPECTION FEE CALCULATION

A. Streets/Drainage (4% x I)	\$0.00
B. Water (4% x II)	\$0.00
C. Sewer (4% x III)	\$0.00
D. TOTAL INSPECTION FEE (A + B + C)	\$0.00