

CITY OF BEAUMONT PUBLIC WORKS DEPARTMENT  
CONSTRUCTION COST WORKSHEET

NV5  
Approved  
Padma Asam  
10/07/2020 11:21:30 AM

PARCEL MAP OR TRACT NO.: Tract 27971-7 Street  
DATE: 28-Sep-20  
PP, CUP NO.: \_\_\_\_\_ BY: \_\_\_\_\_, P.E.

IMPROVEMENTS	FAITHFUL PERFORMANCE	100%
	LABOR & MATERIALS SECURITY	100%
<u>Construction Costs</u>		
Streets/Drainage	\$	805,427.80
Total	\$	805,427.80
Warranty Retention (22.5%)	\$	181,221.26
Street/Drainage Plan Check Fees =	\$	16,108.56
Street Inspection Fees =	\$	24,162.83

DESIGN ENGINEERS CALCULATIONS OF IMPROVEMENT BONDING COSTS

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

Above amounts do  include additional 20% for recordation prior to having signed plans

Above amounts do not  include additional 20% for recordation prior to having signed plans

  
\_\_\_\_\_  
Engineer's Signature

29 SEPTEMBER 2020

Date

NED J. ARAUJO, P.E.  
\_\_\_\_\_  
Name typed or printed



Civil Engineer's Stamp

FORM \$ UNIT COSTS REVISED 01/02/2017

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

- Quantities to be taken from improvement plans, Unit costs to be as provided on "City of Beaumont Construction Cost Worksheet".
- Show Bond Amounts to the nearest \$500.
- For construction items not covered by the Construction Cost Worksheet", Design Engineer is to provide his opinion of construction cost and use of that cost. If City of Beaumont unit costs are determined to be too low in the opinion of the Design Engineer, the higher costs as provided by the Design Engineer should be used.



CITY OF BEAUMONT PUBLIC WORKS DEPARTMENT  
IMPROVEMENT REQUIREMENT WORKSHEET

PROJECT: Tract 27971-7 Street

DATE: 28-Sep-20

STREET IMPROVEMENTS (Cont'd.)				
QTY.	UNIT	ITEM	UNIT COST	AMOUNT
	L.F.	Remove Chain Link Fence	\$ 7.50	\$ -
	EA.	Remove Barricade	\$ 200.00	\$ -
1,683	TON	Asphalt Concrete - 144 lbs/cu. Ft. (93,474 OnSite SF @ 3")	\$ 90.00	\$ 151,470
1,876	C.Y.	Aggregate Base Class II (93,474 OnSite SF @ 6.5")	\$ 50.00	\$ 93,800
4	TON	Asphalt Emulsion (Fog Seal/Paint Binder) (1 ton = 240 gals) (93,474 OnSite SF)	\$ 600.00	\$ 2,100
		apply at 0.05 + 0.03 = 0.08 gal/SY		\$ -
	S.F.	AC overlay (min. 0.10') 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) & (C) are 20% of actual costs to assure that work will be corrected to eliminate hazardous conditions.)	\$ 0.90	\$ -
	S.F.	Remove A.C. Pavement	\$ 1.45	\$ -
	L.F.	Curb and Gutter (Wedge Curb)	\$ 12.00	\$ -
5,414	L.F.	Curb and Gutter (Type A-6)	\$ 15.00	\$ 81,210
	L.F.	Curb and Gutter (Type A-8)	\$ 17.00	\$ -
	L.F.	Type "C" Curb	\$ 12.00	\$ -
	L.F.	Type "D" Curb	\$ 15.00	\$ -
	L.F.	A.C. Dike (6") (incl. material & labor)	\$ 10.00	\$ -
	L.F.	A.C. Dike (8") (incl. Material & labor)	\$ 15.00	\$ -
4,410	S.F.	P.C.C. Cross Gutter and Spandrels	\$ 10.00	\$ 44,100
34,371	S.F.	P.C.C. Sidewalk	\$ 6.00	\$ 206,226
	SF	P.C.C. Drive Approach	\$ 8.00	\$ -
8	EA.	Handicapped Access Ramp	\$ 2,000.00	\$ 16,000
59	EA.	P.C.C. Drive Approach (individual lot driveway approach per finished grading plan)	\$ 12.00	\$ 708
	S.F.	Cold Plane & Overlay Exist. A.C. Paving	\$ 4.00	\$ -
				\$ -
				\$ -
			<b>SUBTOTAL =</b>	<b>\$ 595,614.00</b>

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STREET IMPROVEMENTS (Cont'd.)				
QTY.	UNIT	ITEM	UNIT COST	AMOUNT
4	EA.	Street Name Sign	\$ 400.00	\$ 1,600
	EA.	Delineators-per Caltrans Std. A73C, Class 1, Type F	\$ 40.00	\$ -
	EA.	Object Markers - Modified Type F Delineators, Riverside County	\$ 45.00	\$ -
	L.F.	Barricades	\$ 100.00	\$ -
	L.F.	Utility Trench, one side (Edison, Telephone, Cable) (Total length of streets)	\$ 10.00	\$ -
	L.F.	Chain Link Fence (6')	\$ 80.00	\$ -
	L.F.	Remove Fence	\$ 4.00	\$ -
	EA.	Remove Power Pole	\$ 1,200.00	\$ -
8	EA.	Street Lights (including conduit)	\$ 5,000.00	\$ 40,000
90	EA.	Street Trees (15 gallon)	\$ 150.00	\$ 13,500
400	L.S.	Landscape and Irrigation sleeve 4"	\$ 15.00	\$ 6,000
200	L.S.	Landscape and Irrigation sleeve 6"	\$ 25.00	\$ 5,000
	L.S.	Landscape and Irrigation	\$ -	\$ -
	EA.	Concrete Bulkhead	\$ 200.00	\$ -
	C.Y.	Structural Reinforced Concrete	\$ 400.00	\$ -
	EA.	Slope Anchors for Pipes	\$ 300.00	\$ -
	L.F.	Cut Off Wall (Std. 2')	\$ 5.50	\$ -
	EA.	A.C. Overside Drain	\$ 800.00	\$ -
	EA.	Under Sidewalk Drain	\$ 2,000.00	\$ -
	S.F.	Terrace Drains and Down Drains	\$ 6.50	\$ -
	S.F.	Interceptor Drains	\$ 6.50	\$ -
0	EA.	Gutter Depression for Curb Opening Catchbasin	\$ 1,500.00	\$ -
	EA.	Access Driveway for Storm Drain at Cul-de-Sac	\$ 640.00	\$ -
4	EA.	"STOP" Pavement Marking	\$ 200.00	\$ 800
80	L.F.	Limit Line	\$ 2.00	\$ 160
4	EA.	RI "STOP SIGN"	\$ 250.00	\$ 1,000
4	EA.	W14-2 "NO OUTLET" Sign	\$ 250.00	\$ 1,000

SUBTOTAL = \$ 69,060.00

A.	Street Subtotal	\$ 700,372
B.	Contingency (15%)	\$ 105,056
C.	Streets/Drainage Total (A + B)	\$ 805,428