Engineer's Opinion of Probable Cost

December 18, 2018

Proposed Revised Tract Map: **6192**

1 OFFSITE IMPROVEMENTS
BLYTHE AVENUE

Description	Estimated Quantity			Unit Price		Extension
I. STREET CONSTRUCTION						
1 4.5" Asphalt Pavement	2,610.00	tons	$	85.00	$	221,850.00
2 6" Aggregate Base Rock	3,480.00	tons	$	35.00	$	121,800.00
3 Concrete Curb and Gutter	355.00	lf	$	18.00	$	6,390.00
4 6" AC dike	4,744.00	lf	$	8.00	$	37,952.00
5 Valley Gutter	2.00	ea	$	4,500.00	$	9,000.00
6 Concrete Sidewalk	1,628.00	sf	$	5.00	$	8,140.00
7 Landscape	1,054.00	sf	$	4.00	$	4,216.00
8 Handicap Ramps	4.00	ea	$	2,500.00	$	10,000.00
9 Street Lights	2.00	ea	$	4,200.00	$	8,400.00
10 Signage and Striping	1.00	ls	$	5,000.00	$	5,000.00
11 Pole Removal With Rule 20	6.00	ea	$	20,000.00	$	120,000.00
STREET CONSTRUCTION SUBTOTAL					**$**	**552,748.00**
II. WATER CONSTRUCTION						
1 8" Wet Tie	2.00	ea	$	3,000.00	$	6,000.00
2 8" Gate Valve	2.00	ea	$	900.00	$	1,800.00
SANITARY SEWER CONSTRUCTION SUBTOTAL					**$**	**7,800.00**
III. SANITARY SEWER CONSTRUCTION						
1 8" Sanitary Sewer Main	1,336.00	lf	$	30.00	$	40,080.00
2 48" Manholes	4.00	ea	$	3,500.00	$	14,000.00
3 4" House Branches	13	ea	$	1,000.00	$	13,000.00
SANITARY SEWER CONSTRUCTION SUBTOTAL					**$**	**67,080.00**
IV. STORM DRAIN CONSTRUCTION						
1 24" Storm Drain CMP	104.00	lf	$	90.00	$	9,360.00
2 48" SD Manhole	1.00	ea	$	3,500.00	$	3,500.00
3 Brick and Mortor Plug	1.00	ea	$	300.00	$	300.00
4 Type D Inlet	2.00	ea	$	3,500.00	$	7,000.00
STORM DRAIN CONSTRUCTION SUBTOTAL					**$**	**20,160.00**

VI. MISCELLANEOUS COSTS							
1	Clearing,Grubbing, and Demolition	3.00	ac	$	2,000.00	$	6,000.00
2	Rough Grading	3,400.00	cy	$	6.00	$	20,400.00
3	SWPPP BMPs	1.00	ls	$	20,000.00	$	20,000.00
	MISCELLANEOUS CONSTRUCTION SUBTOTAL					**$**	**46,400.00**
	SUBTOTAL BLYTHE AVENUE CONSTRUCTION COST					**$**	**694,188.00**
VII. ENGINEERING COST AND CONTINGENCIES							
1	Soils Engineering and Testing	1.00	ls	$	15,000.00	$	15,000.00
2	Engineering, Construction Staking and Surveying	1.00	ls	$	30,000.00	$	30,000.00
3	Construction Contingencies	1.00	ls	$	69,418.80	$	69,418.80
	ENGINEERING AND CONTINGENCIES COST SUBTOTAL					**$**	**114,418.80**

OFFSITE CONSTRUCTION TOTAL COST	**$**	**808,606.80**

Notes:
1. Fees credits and reimbursments were not included in this estimate
2. Estimate only accounts for pole removal at project frontage