



BALAR

ENGINEERS & SURVEYORS

Preliminary Estimate of Probable Project Cost
Water Distribution System Extensions (La. Highway 169 South)
Town of Greenwood, Louisiana
October 12, 2020

CONSTRUCTION COST (SHIRLEY FRANCIS ROAD TO BUNCOMBE ROAD):				
Description	Quantity	Unit	Unit Price	Total Price
8" PVC Water Main (Open Cut)	10,000	L.F.	\$18	\$180,000
8" PVC Water Main (Jack & Bore)	750	L.F.	\$40	\$30,000
10" HDPE Water Main (Directional Bore)	750	L.F.	\$70	\$52,500
8" x 8" Tapping Sleeve & Valve w/Box	1	Each	\$5,000	\$5,000
8" Gate Valve w/Box	6	Each	\$3,500	\$21,000
Fire Hydrant Assembly	6	Each	\$4,000	\$24,000
Water Sampling Station	2	Each	\$1,500	\$3,000
Tie-Ins to Water Facilities	1	Each	\$3,500	\$3,500
Water Service Connections	25	Each	\$500	\$12,500
Remove & Replace Concrete Pavement	50	S.Y.	\$80	\$4,000
Remove & Replace Asphalt Pavement	50	S.Y.	\$80	\$4,000
Remove & Replace Aggregate Surfacing	50	S.Y.	\$50	\$2,500
Locator Wire	11,500	L.F.	\$0.20	\$2,300
Chlorination, Testing & Cleanup	11,500	L.F.	\$2.00	\$23,000
Misc. Water Treatment Plant Improvements	L.S.	L.S.	\$230,000	\$230,000
Subtotal Construction Cost:				\$597,300
Contingencies (10%):				\$56,200
Total Construction Cost:				\$653,500

ENGINEERING COST (SHIRLEY FRANCIS ROAD TO BUNCOMBE ROAD):	
Basic Services (\$653,500 x 9.06% from FP&C Fee Curve):	\$59,300
Resident Project Representative - Inspection (300 +/- Hours @ \$83/Hr.):	\$24,900
Topographic Surveying & Construction Layout (3 Days @ \$1,500/Day):	\$4,500
Construction Materials Testing:	\$1,300
Permits (LDOTD & Parish):	\$1,500
Total Engineering Cost:	\$91,500

MISCELLANEOUS COST (SHIRLEY FRANCIS ROAD TO BUNCOMBE ROAD):	
Permit Fees & Costs:	\$5,000
Total Miscellaneous Costs:	\$5,000

TOTAL PROJECT COST (SHIRLEY FRANCIS ROAD TO BUNCOMBE ROAD):	
	\$750,000

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