

14-325

Nicholas County Water District Phase VIII Water Line Extensions Preliminary Cost Estimate

Line #	# House	Description	Length of Line (miles)	Length of Line (FT)	House per Mile (calculated)	Line size (inches)	Line class	Cost/mile	Extra Cost	Total Cost
1	7	SALT WELL-BRUNKER	1.68	8900	4.17	4	200	\$32,000.00		\$53,760.00
2	25	DOG WALK	3.18	16800	7.86	4	250	\$32,000.00		\$101,760.00
3	12	RITCHIE ROAD	0.70	3700	17.14	3	200	\$30,000.00		\$21,000.00
4	7	SNAKE RIDGE	1.17	6200	5.98	3	250	\$30,000.00		\$35,100.00
5	1	MYERS ROAD	0.25	1300	4.00	3	250	\$30,000.00		\$7,500.00
6	1	MILLER STATION ROAD	1.00	5300	1.00	3	250	\$30,000.00		\$30,000.00
TOTALS	53		7.98							\$249,120

OTHER COSTS

TOTAL CONSTRUCTION COSTS	\$249,120
CONTINGENCY @ +/- 10%	\$24,000
ENGINEER RELATED COSTS (DESIGN,INSPECTION,EASEMENTS,ETC..)	\$45,000

TOTAL ESTIMATED PROJECT COSTS \$318,120

Additional Needs

Phase V Construction Budget Shortfall	
Original County Participation	\$25,000
County Road Bore&Jack Change Order	\$36,000
Maintenance Truck	\$38,000
Backhoe with trailer	\$79,000
Dump Truck	\$28,000
Air Compressor	\$4,000
Computer Billing Upgrades	\$20,000
Various Upgrades to existing undersized waterlines and underserved customers	\$150,000
Building lot renovation	\$15,000
 Sub - total	 \$395,000

TOTAL ESTIMATED PROJECT COSTS \$713,120

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6	1	MILLER STATION ROAD	1.00	5300	1.00	3	250	\$30,000.00	\$30,000.00
TOTALS	53		7.98		6.64				\$249,120

OTHER COSTS

TOTAL ESTIMATED WATERLINE CONSTRUCTION COSTS	\$249,120
100,000 - Gallon Water Tank	\$75,000
Water Tank Telemetry	\$10,000
Upgrades to existing undersized waterlines and underserved customers	\$150,000
TOTAL ESTIMATED CONSTRUCTION COSTS	\$484,120
CONTINGENCY @ +/- 10%	\$38,880
ENGINEER RELATED COSTS (DESIGN,INSPECTION,EASEMENTS,ETC..)	
PRELIMINARY ENGINEERING REPORT	\$5,000
DESIGN	\$45,000
INSPECTION	\$32,000
OTHER ENGINEERING (Easements, Surveying, etc.)	\$20,000
RD RELATED PROJECT COSTS	
RD LEGAL & ADMINISTRATIVE	\$20,000
LAND ACQUISITION	\$5,000
INTEREST DURING CONSTRUCTION	\$10,000
TOTAL ESTIMATED OTHER PROJECT COSTS	\$137,000
TOTAL ESTIMATED PROJECT COSTS	\$660,000

Nicholas County Water District - Phase X As - Bid Project Cost Estimate revised 8/15/14		Total Cost
1	<i>Phase X - Water Transmission Line Contract</i>	\$227,964.00
TOTALS		\$227,964
TOTAL ESTIMATED CONSTRUCTION COSTS		\$227,964
CONTINGENCY @ +/- 10%		\$12,000
ENGINEER RELATED COSTS (DESIGN,INSPECTION,EASEMENTS,ETC..)		
PRELIMINARY ENGINEERING		\$2,000
DESIGN @ 12.20%		\$31,818
INSPECTION @ 10.40%		\$27,124
OTHER ENGINEERING (Easements, Surveying, etc.)		\$12,000
RD RELATED PROJECT COSTS		
LEGAL & ADMINISTRATIVE		\$6,000
INTEREST DURING CONSTRUCTION		\$0
CURRENT PROJECT COSTS		\$318,906
OTHER CONSTRUCTION (Pay off as of 10/1/14)		\$621,094
 TOTAL AS- BID PROJECT COSTS		 \$940,000
 PROPOSED PROJECT FUNDING		
RD GRANT	\$200,000	
RD LOAN	\$555,000	
KRWA Loan	\$185,000	
TOTAL PROJECT FUNDING		\$940,000