

A dark blue silhouette of the state of Louisiana is centered on the page. The text is overlaid on this map.

**Exhibit G –
Franklin Farm
Water and Wastewater
Improvement Plans**

Franklin Farm Water and Wastewater Improvement Plans

Town of Delhi

1 MGD Water and Sewer Service to Holly Ridge Area

Preliminary Cost Estimate

August 23, 2017

Scope:

This cost estimate is for the Town of Delhi to provide 1 million gallons per day of water and domestic-strength wastewater service to a prospective industrial site in the Holly Ridge area, north of Hwy 80. Water improvements include a 16" water main along Hwy 80 and a 12" water main along Hwy 854 for a looped supply from Delhi's existing water mains and construction of two wells in the existing well field. The proposed extension and existing tanks could provide approximately 4000 gpm fire flow for 4 hours. Sewer improvements include a lift station at Holly Ridge, a force main connecting to Delhi's existing sewer force main at Dunn, and an additional clarifier, effluent filter, and sludge belt press at Delhi's existing wastewater treatment plant.

Water

Item	Description	Qty	Unit	Unit Price	Total
1	16" PVC Water Main	23,000	LF	\$45	\$1,035,000
2	16" HDPE Water Main by HDD	2,000	LF	\$150	\$300,000
3	12" PVC Water Main	23,500	LF	\$30	\$705,000
4	12" HDPE Water Main by HDD	1,500	LF	\$100	\$150,000
5	Misc Valves & Fittings	1	LS	\$100,000	\$100,000
6	Water Well Test Hole	2	EA	\$50,000	\$100,000
7	Permanent Water Well	2	EA	\$250,000	\$500,000
Subtotal Water Construction					\$2,890,000

Wastewater

Item	Description	Qty	Unit	Unit Price	Total
1	12" PVC Force Main	30,000	LF	\$30	\$900,000
2	12" HDPE Force Main by HDD	2,000	LF	\$100	\$200,000
3	800 gpm LS w/ wet well storage	1	LS	\$300,000	\$300,000
4	Railroad Crossing	1	EA	\$120,000	\$120,000
5	Connect to Existing Force Main	1	LS	\$30,000	\$30,000
6	Add Clarifier at WWTP	1	LS	\$600,000	\$600,000
7	Add Effluent Filter to WWTP	1	LS	\$500,000	\$500,000
8	Sludge Belt Press	1	LS	\$600,000	\$600,000
9	Upgrade Headworks & In-Plant LS	1	LS	\$200,000	\$200,000
10	Upgrade Chlorine Contact Chamber	1	LS	\$100,000	\$100,000
11	Misc Sitework, Valves & Fittings	1	LS	\$80,000	\$80,000
Subtotal Sewer Construction					\$3,630,000

Other Costs

Item	Est. Cost
Preliminary Engineering	\$47,000
Environmental Information Document	\$9,000
Basic Engineering	\$523,000
Resident Inspection	\$180,000
Surveying	\$50,000
Davis Bacon & AIS Compliance Monitoring	\$30,000
Site and ROW Costs	\$70,000
Permit and ROW Acquisition Assistance	\$50,000
Railroad Permit Fees (1 @ \$30,000 each)	\$30,000
Legal Services (Includes Bond Counsel, Legal Counsel, SBC, and Expenses)	\$120,000
Laboratory and Materials Testing	\$30,000
Subtotal	\$1,139,000
Total	\$7,659,000
Contingencies 13% of Construction	\$841,000
Total Estimated Project Cost	\$8,500,000

