



By: J.V.S.

Date: 1/28/2019

Checked By: L.O.G.

Date: 2/4/2019

Revised By: L.O.G.

Date: 3/21/2019

**Revised Engineer's Opinion of Probable Construction Cost**

Project: **Upper Main Tile Outlet** for D.D. #56

Location: Sections 3 & 10 T87N, R22W Hardin County, Iowa

UPPER MAIN TILE OUTLET (IMPROVEMENT)	ITEM #	DESCRIPTION	Unit Cost	Units	Quantity	Units	Total Cost	
	<b>DISTRICT CONSTRUCTION COSTS</b>							
	1	54" CMP TILE OUTLET	\$ 140.00	LF	40	LF	\$ 5,600.00	
	2	48" TRIPLE WALL PPE or RCP TILE	\$ 150.00	LF	4900	LF	\$ 735,000.00	
	3	54" RODENT GUARD	\$ 1,000.00	EA	1	EA	\$ 1,000.00	
	4	JUNCTION STRUCTURE	\$ 10,000.00	EA	1	EA	\$ 10,000.00	
	5	BANK STABILIZATION	\$ 50.00	TON	50	TON	\$ 2,500.00	
	6	PLUG EXISTING DOWNSTREAM MAIN TILE	\$ 1,000.00	LOC	1	LOC	\$ 1,000.00	
	7	CONCRETE COLLAR	\$ 600.00	EA	1	EA	\$ 600.00	
	8	PRIVATE TILE CONNECTIONS	\$ 1,000.00	EA	20	EA	\$ 20,000.00	
9	TILE LOCATION	\$ 150.00	STA	2	STA	\$ 300.00		
<b>CONSTRUCTION SUBTOTAL</b>							\$ 776,000.00	
Contingency (15%)							\$ 116,400.00	
<b>CONSTRUCTION TOTAL</b>							\$ 892,400.00	
Engr. & Const. Observation (20%)							\$ 178,480.00	
<b>TOTAL COST</b>							\$ 1,070,880.00	
<b>ROAD CROSSING CONSTRUCTION COSTS</b>								
10	48" TILE - OPEN CUT (230TH STREET)	\$ 250.00	LF	30	LF	\$ 7,500.00		
11	HICKENBOTTOM INTAKE	\$ 2,000.00	EA	2	EA	\$ 4,000.00		
12	PERMANENT SEEDING AND WARRANTY	\$ 2,000.00	LOC	1	LOC	\$ 2,000.00		
13	TRAFFIC CONTROL	\$ 2,000.00	LOC	1	LOC	\$ 2,000.00		
<b>CONSTRUCTION SUBTOTAL</b>							\$ 15,500.00	
Contingency (15%)							\$ 2,325.00	
<b>CONSTRUCTION TOTAL</b>							\$ 17,825.00	
Engr. & Const. Observation (25%)							\$ 4,456.25	
<b>TOTAL COST</b>							\$ 22,281.25	

Note: Per Iowa Code, road crossings (highlighted red) are not typically district expense