

**COMMISSIONER HECTOR "TITO" PALACIOS**

**Hidalgo County Precinct No. 2**

**Project:** Cesar Chavez Drain Drainage Improvements  
**Location:** Area encompassed by 1/4 mile North of Sioux Road to the North, Cesar Chavez Road to the East and 1/4 mile East of Alamo Road to the East

**Date:** March 1, 2010

**Estimator:** Raul E. Sesin, PE, CFM

**ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COSTS**



Item	Description	Unit	Quantity	Unit Cost	Total
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**DRAINAGE IMPROVEMENTS County of Hidalgo Phase I**

1.	18" RJ-RCP CL III	LF	113	\$ 20.00	\$ 2,260.00
2.	24" RJ-RCP CL III	LF	870	\$ 26.00	\$ 22,620.00
3.	36" RJ-RCP CL III	LF	1,291	\$ 55.00	\$ 71,005.00
4.	42" RJ-RCP CL III	LF	452	\$ 70.00	\$ 31,640.00
5.	72" RJ-RCP CL III	LF	1,737	\$ 180.00	\$ 312,660.00
6.	TRENCH PROTECTION	LF	4,463	\$ 2.00	\$ 8,926.00
7.	TYPE "CC" INLET (5.5 ft)	EA	1	\$ 3,700.00	\$ 3,700.00
8.	TYPE "CC" INLET (6.0 ft)	EA	4	\$ 3,750.00	\$ 15,000.00
9.	TYPE "CC" INLET (6.5 ft)	EA	2	\$ 3,800.00	\$ 7,600.00
10.	72" FIBERGLASS MANHOLE (7 FT)	EA	2	\$ 3,600.00	\$ 7,200.00
11.	TYPE M MANHOLE	EA	2	\$ 5,500.00	\$ 11,000.00
12.	6" CONCRETE RIP-RAP	SY	410	\$ 45.00	\$ 18,450.00
13.	ENDWALL FOR 42" PIPE	EA	1	\$ 2,800.00	\$ 2,800.00
14.	ENDWALL FOR 72" PIPE	EA	1	\$ 4,200.00	\$ 4,200.00
15.	12" GRAVEL BEDDING	CY	450	\$ 30.00	\$ 13,510.00
16.	DITCH EXCAVATION	CY	91,401	\$ 2.00	\$ 182,802.22
17.	DIRT HAULING	CY	91,401	\$ 4.50	\$ 411,305.00
<b>SUB-TOTAL</b>					<b>\$ 1,126,678.22</b>

Item	Description	Unit	Quantity	Unit Cost	Total
<b><u>ALAMO ROAD CROSSING</u></b>					
1.	5' x 4' RCP BOX	LF	127	\$ 135.00	\$ 17,145.00
2.	5' x 8' JUNCTION BOX	EA	2	\$ 4,500.00	\$ 9,000.00
3.	TRAFFIC CONTROL	LS	1	\$ 15,000.00	\$ 15,000.00
4.	12" GRAVEL BEDDING	CY	28	\$ 30.00	\$ 846.67
5.	SAND BACKFILL (ALAMO ROAD)	CY	155	\$ 30.00	\$ 4,656.67
6.	PAVEMENT REPAIR (ALAMO ROAD)	SY	333	\$ 30.00	\$ 10,000.00
7.	TRENCH PROTECTION	LF	127	\$ 4.00	\$ 508.00
<b>SUB-TOTAL</b>					<b>\$ 57,156.33</b>
<b><u>PSJA Property East of Alamo Road</u></b>					
1.	72" RCP-CL III (Labor Only)	LF	1,000	\$ 55.00	\$ 55,000.00
2.	TYPE M MANHOLE (Material & Labor)	EA	2	\$ 4,500.00	\$ 9,000.00
3.	GRAVEL BEDDING (Material Only)	CY	111	\$ 30.00	\$ 3,330.00
4.	TRENCH PROTECTION (Material & Labor)	LF	650	\$ 4.00	\$ 2,600.00
5.	BACKFILL EXISTING DITCH (Mat. & Labor)	CY	3,496	\$ 4.00	\$ 13,984.00
<b>SUB-TOTAL</b>					<b>\$ 83,914.00</b>
<b><u>DRAINAGE IMPROVEMENTS County of Hidalgo Phase II</u></b>					
1.	18" RJ-RCP CL III	LF	30	\$ 20.00	\$ 600.00
2.	24" RJ-RCP CL III	LF	436	\$ 30.00	\$ 13,080.00
3.	30" RJ-RCP CL III	LF	1,164	\$ 40.00	\$ 46,560.00
4.	60" FIBERGLASS MANHOLE (7 FT)	EA	1	\$ 3,200.00	\$ 3,200.00
5.	TYPE "CC" INLET (5.5 ft)	EA	4	\$ 3,500.00	\$ 14,000.00
6.	ENDWALL FOR 30" PIPE	EA	1	\$ 2,800.00	\$ 2,800.00
<b>SUB-TOTAL</b>					<b>\$ 80,240.00</b>
<b>DRAINAGE IMPROVEMENTS County of Hidalgo Phase I</b>					<b>\$ 1,126,678.22</b>
<b>ALAMO ROAD CROSSING</b>					<b>\$ 57,156.33</b>
<b>PSJA Property East of Alamo Road</b>					<b>\$ 83,914.00</b>
<b>DRAINAGE IMPROVEMENTS County of Hidalgo Phase II</b>					<b>\$ 80,240.00</b>
<b>SUB-TOTAL</b>					<b>\$ 1,347,988.55</b>
<b>TOTAL FOR CESAR CHAVEZ DRAIN DRAINAGE IMPROVEMENTS</b>					<b>\$ 1,347,988.55</b>