

DANNENBAUM ENGINEERING COMPANY – DALLAS, LLC

4141 BLUE LAKE CIRCLE, SUITE 240 DALLAS, TEXAS 75244 (972) 239-2002

June 9, 2011

Matt Dobecka
Collin County Purchasing
2300 Bloomdale Rd., Suite 3160
McKinney, TX 75701

Re: CR 617 Quantity Changes

Dear Mr. Dobecka:

This memo is regarding quantity changes for the replacement of the bridge over Hickory Creek on County Road 617. I have recently spoken with Larry Kennon of Ashlar Contracting Company about quantity differences on the above referenced project. The table below shows the differences between actual quantities and estimated quantities.

ITEM NO	DESCRIPTION	UNIT	CONTRACT QUANTITY	ACTUAL QUANTITY	UNIT PRICE	QUANTITY DIFFERENCE	COST DIFFERENCE
3	D-GR HMA (METH) TY-C PG 64-22	TON	91	81	\$165.00	(10)	(\$ 1,650.00)
17	TEMP SEDIMENT CONTROL FENCE (INSTALL & REMOVE)	LF	504	400	\$ 2.50	(104)	(\$ 260.00)
18	ROCK FILTER DAM TY 2 (INSTALL & REMOVE)	EA	4	1	\$300.00	(3)	(\$ 900.00)
20	CEMENT STAB BACKFILL	CY	25.5	28.7	\$110.00	3.2	\$ 352.00
21	DRILL SHFTS (24 IN)	LF	300	326	\$ 52.00	26	\$ 1,352.00
24	CL S CONC (SLAB)	CY	26.2	33.0	\$625.00	6.8	\$ 4,250.00
TOTAL							\$ 3,144.00

For items 3, 17 and 18, the contractor did not need to utilize the entire quantity allotted.

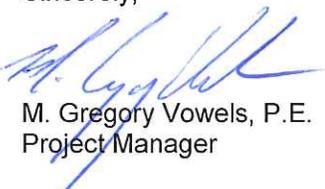
Item 20 calls for cement stabilized backfill, which can be variable depending upon field conditions. The 3.2 CY overrun is reasonable.

Item 21 calls for a minimum of 300 LF of drill shaft. General Note 5 on Plan Sheet 17 states "Drill shafts shall be constructed to lengths shown or longer as necessary to penetrate 3 ft into shale layer." 300 LF is the minimum length of drill shafts, and the contractor needed to drill deeper to penetrate 3 ft into the shale layer. This is acceptable.

Item 24 is Class "S" Concrete for the slab of the bridge. The contract quantity comes from the table on the standard sheet for Prestressed Concrete Slab Beam Spans on Plan Sheet 28. The title of the table is Table of Estimated Quantities. The reason for this title is that the estimation is based on the camber of the bridge slab. A variable that will increase this quantity is the introduction of a vertical curve to the bridge. This bridge does contain a vertical curve and therefore the quantity of concrete for this structure is increased. The additional amount of concrete used is acceptable.

In conclusion, I concur with the quantities shown and approve of the quantity changes.

Sincerely,


M. Gregory Vowels, P.E.
Project Manager