

Dick Birk

From: Shane Lindner <SLindner@geotekeng.com>
Sent: Monday, August 15, 2016 2:25 PM
To: Dick Birk
Cc: Colin Zwaschka (colinz@bannerassociates.com)
Subject: Brookings Bridge

Dick

I corresponded with Colin and he felt it would be best if I contacted you directly. I just wanted to give you a heads up that we will exceed our estimate for the pile driving observations for the Brookings County Bridge Project. I had originally estimated 3 trips at \$240/trip (\$720) and 12 hours on-site at \$65/hour (\$780) for a total of \$1500. Our onsite field personnel ended up making 7 trips (\$1680) and spending 56 hours on-site (\$3640) for a total of \$5320.

Although it happens on occasion that a cost estimate maybe exceed by a little I believe there were several contributing factors that took place for these quantities to be exceeded by so much.

- We made one trip to the site and contractor ended up not driving piles
- The contractor took longer to set up than they had anticipated
- The contractor did not have a proper crane to facilitate the driving operation
- The contractor drove the full length of the pile at each location requiring the engineer to be on-site during the field splicing (We anticipated they would drive the first sticks of each pile at an abutment, make the field splices, and then finish driving the piles after all of the splices were made)

Please contact me with any questions

Thanks

Shane M. Lindner

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