

December 13, 2017

City of McKinney  
221 N. Tennessee Street  
McKinney, Texas, 75069

Attention: Ms. Jenny Baker

Re: Bonnie Wenk Park Phase 2  
NE Corner of Hardin Blvd. & Virginia Parkway  
Terracon Project No.: 94171114 R-01

Dear Ms. Baker:

As previously discussed and per our phone discussion yesterday 11/27/2017, Terracon's records indicate that to date, we have performed \$42,769.75 of construction materials testing services on the above referenced project. This exceeded the original budget estimate of \$15,828.50 by \$26,941.25 as of 11/28/2017.

After couple of site visits and consultations with Cooper Construction, we anticipate additional 15 call out trips for concrete, soils and reinforcing steel observation and testing. This may still vary from the actual since there is no available construction schedule to estimate from. We estimate that an additional \$22,728.00 to the overage amount of \$26,941.25 will cover the remaining testing and observations, for an approximate total contract modification of \$66,000.00. This does not include the proposed additional sky bridge because Cooper Construction did not have preliminary quantities available for estimating purposes.

We have only performed observation and testing when scheduled by the contractor on the jobsite. If you should have any questions or if we can be of further assistance, please do not hesitate to call.

The budget report (attached) shows a summary of work performed to date. Also attached are 3 Budget Estimates (Exhibit C) for remaining budget required, Budget for the anticipated 15 callout trips only and Budget of additional work performed as of 11/28/2017.

Sincerely,  
Terracon



Justice Sagoe, M.C.M., C.M.I.T.  
Project Manager

Terracon Consultants, Inc. 8901 Carpenter Freeway, Suite 100 Dallas, Texas 75247  
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# Budget Report as of 11/28/2017

Project No.: 94171114  
 Bonnie Wenk Park Phase II  
 NEC Hardin Blvd & Virginia Pkwy  
 Prj. #PK3222  
 McKinney, TX

City of McKinney TX

Bill Code	Description	Budget			Performed			Remaining		
		Units	Amount	Units	Amount	Units	Amount	Units	Amount	% Complete
1155	Project Engineer/Manager, per hr.	11.50	1552.50	24.75	3341.25	-13.25	-1788.75		215.2	
1190	Clerical, per hr.	5.00	300.00	14.00	840.00	-9.00	-540.00		280.0	
1225	Soils Technician, per hr.	68.00	3536.00	145.50	7566.00	-77.50	-4030.00		214.0	
1225	O Soils Technician, per hr.		0	16.75	1306.50	-16.75	-1306.50		0.0	
1235	Concrete Technician, per hr.	52.00	2704.00	124.25	6461.00	-72.25	-3757.00		238.9	
1235	O Concrete Technician, per hr.		0	84.75	6610.50	-84.75	-6610.50		0.0	
1236	Concrete Technician OT, per hr.	6.00	468.00		0	6.00	468.00			
1238	Reinforcing Steel Technician, per hr.	12.00	624.00	4.25	221.00	7.75	403.00		35.4	
1238	O Reinforcing Steel Technician, per hr.		0	14.75	1150.50	-14.75	-1150.50		0.0	
1260	Foundation Observation, per hr.	16.00	832.00		0	16.00	832.00			
1261	Foundation Observation OT, per hr.	4.00	312.00		0	4.00	312.00			
3003	Final Inspection Letter, ea.	1.00	300.00		0	1.00	300.00			
3004	Vehicle Charge, per trip	33.00	1650.00	88.00	4400.00	-55.00	-2750.00		266.7	
3101	Optimum Moisture/Maximum Density Relations ASTM D698, ea.	5.00	800.00	6.00	960.00	-1.00	-160.00		120.0	
3104	Atterberg Limits, ea.	5.00	300.00	6.00	360.00	-1.00	-60.00		120.0	
3135	Nuclear Density Gauge, per trip	15.00	900.00	31.00	1860.00	-16.00	-960.00		206.7	
3324	Compressive Strength Tests, ea.	75.00	1425.00	397.00	7543.00	-322.00	-6118.00		529.3	
3422	Minus #200 Sieve, ea.	5.00	125.00	6.00	150.00	-1.00	-25.00		120.0	
		<b>Project Total:</b>		<b>15828.50</b>		<b>42769.75</b>		<b>-26941.25</b>		<b>270.2</b>

**Budget Report as of 11/28/2017**



**BUDGET ESTIMATE - (Exhibit C)**

Bonnie Wenk Park-Ph 2

NEC of Hardin Blvd. & Virginia Parkway

TERRACON PROPOSAL NO. P94171114

November 28, 2017

**Total Budget (Overage + Forecast)**

Service	Quantity	Unit	Unit Rate	Estimate
<b>SITWORK</b>				
<b>Earthwork Observation and Testing</b>				
Soils Technician, hour (min. 4 hours)	136	hour	\$52.00	\$7,072.00
Soils Technician, (Overtime)	29	hour	\$78.00	\$2,262.00
Vehicle Charge	34	trip	\$50.00	\$1,700.00
Moisture Density Relationship (ASTM D698)	1	each	\$160.00	\$160.00
Sieve Analysis (Minus 200) (ASTM D1140)	1	each	\$25.00	\$25.00
Atterberg Limits (ASTM D4318)	1	each	\$60.00	\$60.00
Nuclear Density Gauge	31	day	\$60.00	\$1,860.00
Moisture Checks per Boring	2	each	\$374.00	\$748.00
			<b>Sub-total</b>	<b>\$13,887.00</b>
<b>Foundation Observation and Testing</b>				
Foundation Technician, (min. 4 hours)		hour	\$52.00	\$0.00
Foundation Technician, (Overtime)		hour	\$78.00	\$0.00
Vehicle Charge		trip	\$50.00	\$0.00
Concrete Test Cylinders (ASTM C39)		each	\$19.00	\$0.00
			<b>Sub-total</b>	<b>\$0.00</b>
<b>Concrete Testing &amp; Reinforcing Steel Observation</b>				
Concrete Technician, (min. 4 hours)	91	hour	\$52.00	\$4,732.00
Concrete Technician, (Overtime)	82	hour	\$78.00	\$6,396.00
Reinforcing Steel Technician	15	hour	\$52.00	\$780.00
Reinforcing Steel Technician ,(Overtime)	18	hour	\$78.00	\$1,404.00
Vehicle Charge	58	trip	\$50.00	\$2,900.00
Concrete Test Cylinders (ASTM C39)	572	each	\$19.00	\$10,868.00
			<b>Sub-total</b>	<b>\$27,080.00</b>
<b>Concrete Coring &amp; Testing</b>				
Concrete Pavement Cores	9	each	\$80.00	\$720.00
Testing Concrete Cores	9	each	\$70.00	\$630.00
Vehicle Charge	1	trip	\$50.00	\$50.00
			<b>Sub-total</b>	<b>\$1,400.00</b>
<b>ADMINISTRATION</b>				
Project Manager	28	hour	\$135.00	\$3,780.00
Clerical	15	hour	\$60.00	\$900.00
Final Letter	1	each	\$300.00	\$300.00
			<b>Sub-total</b>	<b>\$4,980.00</b>
<b>Estimated Project Total</b>				<b>\$47,347.00</b>



**BUDGET ESTIMATE - (Exhibit C)**  
**Bonnie Wenk Park-Ph 2**  
**NEC of Hardin Blvd. & Virginia Parkway**  
**TERRACON PROPOSAL NO. P94171114**  
**November 28, 2017**

Work Performed in Excess of Original Contract as of 11/27/2017

Service	Quantity	Unit	Unit Rate	Estimate
<b>SITWORK</b>				
<b>Earthwork Observation and Testing</b>				
Soils Technician, hour (min. 4 hours)	75.5	hour	\$52.00	\$3,926.00
Soils Technician, (Overtime)	16.75	hour	\$78.00	\$1,306.50
Vehicle Charge	19	trip	\$50.00	\$950.00
Moisture Density Relationship (ASTM D698)	1	each	\$160.00	\$160.00
Sieve Analysis (Minus 200) (ASTM D1140)	1	each	\$25.00	\$25.00
Atterberg Limits (ASTM D4318)	1	each	\$60.00	\$60.00
Nuclear Density Gauge	16	day	\$60.00	\$960.00
Moisture Checks per Boring	2	each	\$374.00	\$748.00
			<b>Sub-total</b>	<b>\$8,135.50</b>
<b>Foundation Observation and Testing</b>				
Foundation Technician, (min. 4 hours)		hour	\$52.00	\$0.00
Foundation Technician, (Overtime)		hour	\$78.00	\$0.00
Vehicle Charge		trip	\$50.00	\$0.00
Concrete Test Cylinders (ASTM C39)		each	\$19.00	\$0.00
			<b>Sub-total</b>	<b>\$0.00</b>
<b>Concrete Testing &amp; Reinforcing Steel Observation</b>				
Concrete Technician, (min. 4 hours)	30.25	hour	\$52.00	\$1,573.00
Concrete Technician, (Overtime)	61.95	hour	\$78.00	\$4,832.10
Reinforcing Steel Technician		hour	\$52.00	\$0.00
Reinforcing Steel Technician ,(Overtime)	14.75	hour	\$78.00	\$1,150.50
Vehicle Charge	28	trip	\$50.00	\$1,400.00
Concrete Test Cylinders (ASTM C39)	322	each	\$19.00	\$6,118.00
			<b>Sub-total</b>	<b>\$15,073.60</b>
<b>Concrete Coring &amp; Testing</b>				
Concrete Pavement Cores	9	each	\$80.00	\$720.00
Testing Concrete Cores	9	each	\$70.00	\$630.00
Vehicle Charge	1	trip	\$50.00	\$50.00
			<b>Sub-total</b>	<b>\$1,400.00</b>
<b>ADMINISTRATION</b>				
Project Manager	13	hour	\$135.00	\$1,755.00
Clerical	9	hour	\$60.00	\$540.00
Final Letter		each	\$300.00	\$0.00
			<b>Sub-total</b>	<b>\$2,295.00</b>
<b>Estimated Project Total</b>				<b>\$26,904.10</b>



**BUDGET ESTIMATE - (Exhibit C)**  
**Bonnie Wenk Park-Ph 2**  
**NEC of Hardin Blvd. & Virginia Parkway**  
**TERRACON PROPOSAL NO. P94171114**

**November 28, 2017**

**Forecast for 15 more callouts for Concrete, Soils & Reinforcing Steel Observation/Testing from 11/28/2017**

<b>Service</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Rate</b>	<b>Estimate</b>
<b>SITEWORK</b>				
<b>Earthwork Observation and Testing</b>				
Soils Technician, hour (min. 4 hours)	60	hour	\$52.00	\$3,120.00
Soils Technician, (Overtime)	12	hour	\$78.00	\$936.00
Vehicle Charge	15	trip	\$50.00	\$750.00
Moisture Density Relationship (ASTM D698)	1	each	\$160.00	\$160.00
Sieve Analysis (Minus 200) (ASTM D1140)	1	each	\$25.00	\$25.00
Atterberg Limits (ASTM D4318)	1	each	\$60.00	\$60.00
Nuclear Density Gauge	15	day	\$60.00	\$900.00
Moisture Checks per Boring	2	each	\$374.00	\$748.00
			<b>Sub-total</b>	<b>\$6,699.00</b>
<b>Concrete Testing &amp; Reinforcing Steel Observation</b>				
Concrete Technician, (min. 4 hours)	60	hour	\$52.00	\$3,120.00
Concrete Technician, (Overtime)	20	hour	\$78.00	\$1,560.00
Reinforcing Steel Technician	15	hour	\$52.00	\$780.00
Reinforcing Steel Technician ,(Overtime)	3	hour	\$78.00	\$234.00
Vehicle Charge	30	trip	\$50.00	\$1,500.00
Concrete Test Cylinders (ASTM C39)	250	each	\$19.00	\$4,750.00
			<b>Sub-total</b>	<b>\$11,944.00</b>
<b>Concrete Coring &amp; Testing</b>				
Concrete Pavement Cores	9	each	\$80.00	\$720.00
Testing Concrete Cores	9	each	\$70.00	\$630.00
Vehicle Charge	1	trip	\$50.00	\$50.00
			<b>Sub-total</b>	<b>\$1,400.00</b>
<b>ADMINISTRATION</b>				
Project Manager	15	hour	\$135.00	\$2,025.00
Clerical	6	hour	\$60.00	\$360.00
Final Letter	1	each	\$300.00	\$300.00
			<b>Sub-total</b>	<b>\$2,685.00</b>
<b>Estimated Project Total</b>				<b>\$22,728.00</b>