



6980 Sierra Center Parkway, Suite 90  
Reno, NV 89511

March 5, 2014  
File: 1591

RECEIVED-CITY OF SPARKS

MAR - 7 2014

COMMUNITY SERVICES  
ADMINISTRATION

Andy Hummel, PE  
**CITY OF SPARKS PUBLIC WORKS DEPARTMENT**  
431 Prater Way  
Sparks, NV 89431

**RE: North Truckee Drain Phase 2  
Inspection and Materials Testing Services  
Fee Estimate**

Dear Mr. Hummel:

Construction Materials Engineers, Inc. is pleased to provide this fee estimate to provide inspection and materials testing services for the referenced project.

It is understood that Phase 2 of the project mainly consists of approximately 597 feet of twin 14'X10' box culverts, asphalt concrete pavement on Larkin Circle and miscellaneous underground utility relocations.

Our scope of work is to provide inspection and materials testing of:

*Soil Backfill  
Reinforcing Bar  
Structural Concrete  
Asphalt Concrete Pavement  
Underground Utilities*

Our full time inspector will provide a daily field report describing the construction activity for each day including:

*Work Completed  
Bid Item Quantities  
Number of Construction Personnel On Site  
Construction Equipment On Site  
Official Visitors to Jobsite  
Weather Conditions  
Problems Encountered  
Accidents*

At the completion of the project a final report of all inspection and materials testing activities will be submitted to the City of Sparks.

Andy Hummel, PE  
CITY OF SPARKS PUBLIC WORKS DEPARTMENT  
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It is understood that the anticipated construction schedule to complete this project is 17 weeks total consisting of:

- 17 weeks at five 10-hour days/week
- 17 weeks at five 10-hour days/week for night shifts
- 2 Saturdays at 12-hours/day for Larkin Circle Marathon Phase

Based on this information, we plan to provide one full time inspector during day shift and one full time inspector during night shift. Both inspectors are cross-trained as materials testers and will provided testing of backfill and minor concrete placements eliminating the need for a separate full time materials tester. We will provide materials testers during box culvert concrete placement, PCCP placement and asphalt concrete paving.

Our estimated fees for the above outlined scope of work on this project are \$227,166.00. Actual fees will be invoiced monthly based on time and materials expended. Periodic budget reviews will also be provided. As you know, our fees are dependent on the actual construction schedule and scope of work. Any changes to the schedule or scope of work may result in a change in cost. Attached is our estimate in more detail including unit rates for this project.

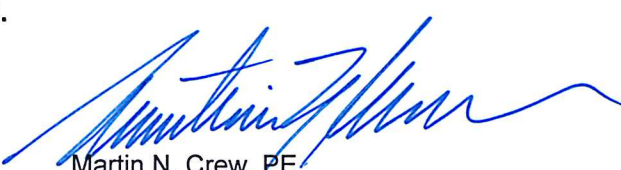
We appreciate this opportunity to provide our services. Please do not hesitate to call if you have any questions or comments.

Sincerely,

**CONSTRUCTION MATERIALS ENGINEERS, INC.**



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Project Manager  
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JVL:MNC:jy  
Enclosure



**CITY OF SPARKS  
NORTH TRUCKEE DRAIN  
PHASE 2  
INSPECTION AND MATERIALS TESTING**

DATE : 3/5/2014

ACTIVITY	QTY/DAYS	HRS/DAY	RATE	TOTAL	COMMENTS
<b>PROGRAM ADMINISTRATOR</b>					
ONSITE VISITS/REPORTS	85	1	\$ 169.00	\$ 14,365.00	17 WEEKS
VEHICLE	17	1	\$ 10.00	\$ 170.00	

<b>INSPECTOR</b>					
INSPECTOR / TESTER REG.	85	8	\$ 93.00	\$ 63,240.00	17 WEEKS 5 DAYS / WK
INSPECTOR / TESTER O.T.	85	2	\$ 121.00	\$ 20,570.00	
NUCLEAR GAUGE			N/C		
VEHICLE	850		\$ 10.00	\$ 8,500.00	

<b>INSPECTOR - NIGHT SHIFT</b>					
INSPECTOR / TESTER REG.	85	8	\$ 93.00	\$ 63,240.00	17 WEEKS 5 DAYS / WK
INSPECTOR / TESTER O.T.	85	2	\$ 121.00	\$ 20,570.00	
NUCLEAR GAUGE			N/C		
VEHICLE	850		\$ 10.00	\$ 8,500.00	

<b>INSPECTOR - LARKIN CIRCLE MARATHON PHASE</b>					
INSPECTOR / TESTER REG.			\$ 93.00	\$ -	
INSPECTOR / TESTER O.T.	2	12	\$ 121.00	\$ 2,904.00	
NUCLEAR GAUGE			N/C		
VEHICLE	24		\$ 10.00	\$ 240.00	

<b>TECHNICIAN - CONCRETE</b>					
TECHNICIAN REG.	42	3	\$ 91.00	\$ 11,466.00	
TECHNICIAN O.T.			\$ 118.00	\$ -	
VEHICLE	126		\$ 10.00	\$ 1,260.00	

<b>TECHNICIAN - ASPHALT CONCRETE</b>					
TECHNICIAN REG.	2	8	\$ 91.00	\$ 1,456.00	
TECHNICIAN O.T.	2	2	\$ 118.00	\$ 472.00	
NUCLEAR GAUGE			N/C		
VEHICLE	20		\$ 10.00	\$ 200.00	
TECHNICIAN REG. CORING	1	5	\$ 91.00	\$ 455.00	
VEHICLE	5		\$ 10.00	\$ 50.00	

<b>LABORATORY TESTING</b>					
MOISTURE DENSITY CURVE, SA, PI	5		\$ 425.00	\$ 2,125.00	
CONCRETE CYLINDERS	42		\$ 88.00	\$ 3,696.00	42 POURS / SETS OF 4
CONCRETE CYLINDERS EARLY BREAKS	28		\$ 44.00	\$ 1,232.00	28 POURS / SETS OF 2
R VALUE	1		\$ 250.00	\$ 250.00	
ASPHALT CONCRETE FULL SERIES	3		\$ 735.00	\$ 2,205.00	

**ESTIMATED TOTAL FEE \$ 227,166.00**

1. BASED ON CME NOT PAYING PREVAILING WAGES

