

July 14, 2015

**VIA EMAIL**

Victoria Rutson  
Director  
Office of Environmental Analysis  
Surface Transportation Board  
395 E Street, SW  
Washington, DC 20423

Jay C. Johnson

T 202.344.4698

F 202.344.8300

jcjohnson@venable.com

Re: FD 35852, Canaveral Port Authority Supplemental Response to Information Request 2-1

Dear Director Rutson:

As a follow-up to your Information Request No. 2-1, which addresses potential routes through the Cape Canaveral Air Force Station (CCAFS), the Canaveral Port Authority is providing additional information concerning the “critical days” that occurred on CCAFS during 2014. We hope that you will find this information useful as you evaluate the feasibility of route alternatives through CCAFS.

Our initial response to Request No. 2-1 explained that there were 31 critical days in 2013 and 101 in 2014. Those calculations were based on the attached MS Word documents that CPA received from U.S. Air Force personnel. CPA has requested an updated list of critical days for 2015, but has not received one.

I am also attaching two more documents—one a PDF file, the other an Excel spreadsheet—that were transmitted to CPA earlier this year by the U.S. Air Force. Although these calendars are an incomplete reflection of total critical days, the no-dig days listed in the calendar appear to be a subset of the critical days listed in the MS Word document for 2014 that CPA used to respond to Request No. 2-1.

Finally, I am attaching a PDF copy of a letter that CPA received on March 24 from a contractor whose work has been interrupted by the CCAFS no-dig days. The contractor is requesting that 50 days be added to its contract time to account for no-dig days between July 23, 2014 and December 16, 2014.

Please do not hesitate to contact us if you have any questions about these materials.

Victoria Rutson  
July 14, 2015  
Page 2

Sincerely,

*/s/ Jay C. Johnson*

Jay C. Johnson

**2013 CRITICAL DAYS:**

**29-31 JAN**

**28 FEB -1 MAR + 2 DAYS STATIC FIRE (NO DATE)**

**18-19 MAR**

**6-7-8 MAY + 1 DAY WDR (NO DATE)**

**14-15 MAY**

**18-19 JULY**

**8-10-11-12 September**

**17-18 September**

**17-18 NOV**

**24-25 NOV +2 DAYS STATIC FIRE (NO DATE)**

**28 NOV**

**2-3 DEC**

**31 TOTAL**

**GLF CLAIM LETTER DATED 3/23/15    JULY 23, 2014 TO DEC 16,2014,  
GLF CLAIMED 50 DAYS**

**17 DAYS from 7/23/13 to 12/16/13**

## **RANGE CRITICAL DAYS 2014**

**JAN 2-3-4-5-6**

**JAN 22-23**

**FEB 19-20**

**MAR 6-7-8**

**MAR 24-25-26-27**

**APRIL 9-10-11-12-13-14-15-16-17-18**

**APRIL 20 AND 30**

**MAY 7-8-9**

**MAY 14-15-16 AND 18**

**MAY 20-21-22**

**MAY 29-30-31**

**JUNE 1-2 AND 6**

**JUNE 11-12-13**

**JUNE 19-20-21-22-23**

**JULY 8-10-11-12-13-14**

**JULY 22-23-24-25-26-27-28**

**JULY 30-31**

**AUG 1-2-3-4**

**AUG 21-22-23-24-25-26**

**SEPT 4-5-6**

**SEPT 15-16-17-18-19-20-21-22-23**

**OCT 25; 28-29**

**NOV 5**

**DEC 2-3-4-5**

**DEC 15-16 AND 18-19**

**TOTAL: 101 DAYS**

**GLF CLAIM LETTER DATED 3/23/15      JULY 23, 2014 TO DEC 16,2014,**

**GLF CLAIMED 50 DAYS**

**42 TOTAL DAYS**

# 10

# SEPTEMBER

#REF!

| SUNDAY                                                                                                                              | MONDAY                                     | TUESDAY                                    | WEDNESDAY                                        | THURSDAY                                    | FRIDAY                                      | SATURDAY                                    |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|
| THIS INFORMATION MAY CHANGE WITHOUT NOTICE. ALWAYS CALL CAPE SUPPORT 321-853-5211 BEFORE DOING ANY CRITICAL DAY RESTRICTED ACTIVITY |                                            |                                            |                                                  |                                             |                                             |                                             |
|                                                                                                                                     | 1<br>LABOR DAY                             | 2                                          | 3                                                | 4<br><i>Falcon 9<br/>Pad 40<br/>Launch</i>  | 5<br><i>Falcon 9<br/>Pad 40<br/>Launch</i>  | 6<br><i>Falcon 9<br/>Pad 40<br/>Launch</i>  |
| 7<br><i>Falcon 9<br/>Pad 40<br/>Launch</i>                                                                                          | 8                                          | 9                                          | 10                                               | 11                                          | 12                                          | 13                                          |
| 14                                                                                                                                  | 15<br><i>Atlas 5<br/>Pad 41<br/>Launch</i> | 16<br><i>Atlas 5<br/>Pad 41<br/>Launch</i> | 17<br><i>Falcon 9<br/>Pad 40<br/>Static Fire</i> | 18<br><i>Falcon 9<br/>Pad 40<br/>Launch</i> | 19<br><i>Falcon 9<br/>Pad 40<br/>Launch</i> | 20<br><i>Falcon 9<br/>Pad 40<br/>Launch</i> |
| 21<br><i>Falcon 9<br/>Pad 40<br/>Launch</i>                                                                                         | 22<br><i>Falcon 9<br/>ISS Docking</i>      | 23<br><i>Falcon 9<br/>ISS Docking</i>      | 24<br><i>Falcon 9<br/>ISS Docking</i>            | 25                                          | 26                                          | 27                                          |
| 28                                                                                                                                  | 29                                         | 30                                         |                                                  |                                             |                                             |                                             |
| <i>SCHEDULED<br/>CRITICAL DAY</i>                                                                                                   | <i>PAST<br/>CRITICAL DAY</i>               | <i>PAST NON-<br/>CRITICAL DAY</i>          |                                                  |                                             |                                             |                                             |

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# OCTOBER

#REF!

| SUNDAY                                                                                                                              | MONDAY                       | TUESDAY                                    | WEDNESDAY                                  | THURSDAY | FRIDAY | SATURDAY                              |
|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------|--------------------------------------------|----------|--------|---------------------------------------|
| THIS INFORMATION MAY CHANGE WITHOUT NOTICE. ALWAYS CALL CAPE SUPPORT 321-853-5211 BEFORE DOING ANY CRITICAL DAY RESTRICTED ACTIVITY |                              |                                            |                                            |          |        |                                       |
|                                                                                                                                     |                              |                                            | 1                                          | 2        | 3      | 4                                     |
| 5                                                                                                                                   | 6                            | 7                                          | 8                                          | 9        | 10     | 11                                    |
| 12                                                                                                                                  | 13 COLUMBUS DAY              | 14                                         | 15                                         | 16       | 17     | 18<br><i>Falcon 9<br/>Splash Down</i> |
| 19                                                                                                                                  | 20                           | 21                                         | 22                                         | 23       | 24     | 25                                    |
| 26                                                                                                                                  | 27                           | 28<br><i>Atlas 5<br/>Pad 41<br/>Launch</i> | 29<br><i>Atlas 5<br/>Pad 41<br/>Launch</i> | 30       | 31     |                                       |
| <i>SCHEDULED<br/>CRITICAL DAY</i>                                                                                                   | <i>PAST<br/>CRITICAL DAY</i> | <i>PAST NON-<br/>CRITICAL DAY</i>          |                                            |          |        |                                       |

1

# DECEMBER

# 2013

#REF!

| SUNDAY | MONDAY | TUESDAY | WEDNESDAY        | THURSDAY | FRIDAY | SATURDAY |
|--------|--------|---------|------------------|----------|--------|----------|
| ER     |        |         |                  |          |        |          |
| 1      | 2      | 3       | 4                | 5        | 6      | 7        |
| 8      | 9      | 10      | 11               | 12       | 13     | 14       |
| 15     | 16     | 17      | 18               | 19       | 20     | 21       |
| 22     | 23     | 24      | 25 CHRISTMAS DAY | 26       | 27     | 28       |
| 29     | 30     | 31      |                  |          |        |          |
|        |        |         |                  |          |        |          |



2

# JANUARY

#REF!

| SUNDAY | MONDAY     | TUESDAY | WEDNESDAY       | THURSDAY | FRIDAY | SATURDAY |
|--------|------------|---------|-----------------|----------|--------|----------|
| ER     |            |         |                 |          |        |          |
|        |            |         | 1 NEW YEARS DAY | 2        | 3      | 4        |
| 5      | 6          | 7       | 8               | 9        | 10     | 11       |
| 12     | 13         | 14      | 15              | 16       | 17     | 18       |
| 19     | 20 MLK DAY | 21      | 22              | 23       | 24     | 25       |
| 26     | 27         | 28      | 29              | 30       | 31     |          |
|        |            |         |                 |          |        |          |

3

# FEBRUARY

#REF!

| SUNDAY | MONDAY            | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|--------|-------------------|---------|-----------|----------|--------|----------|
| ER     |                   |         |           |          |        |          |
|        |                   |         |           |          |        | 1        |
| 2      | 3                 | 4       | 5         | 6        | 7      | 8        |
| 9      | 10                | 11      | 12        | 13       | 14     | 15       |
| 16     | 17 PRESIDENTS DAY | 18      | 19        | 20       | 21     | 22       |
| 23     | 24                | 25      | 26        | 27       | 28     |          |
|        |                   |         |           |          |        |          |

4

# MARCH

#REF!

| SUNDAY | MONDAY            | TUESDAY      | WEDNESDAY    | THURSDAY     | FRIDAY       | SATURDAY |
|--------|-------------------|--------------|--------------|--------------|--------------|----------|
| ER     |                   |              |              |              |              |          |
|        |                   |              |              |              |              | 1        |
| 2      | 3<br>GLF Mobilize | 4            | 5            | 6            | 7            | 8        |
| 9      | 10                | 11           | 12           | 13           | 14<br>no dig | 15       |
| 16     | 17                | 18           | 19           | 20           | 21           | 22       |
| 23     | 24                | 25<br>no dig | 26<br>no dig | 27<br>no dig | 28<br>no dig | 29       |
| 30     | 31                |              |              |              |              |          |

5

# APRIL

#REF!

| SUNDAY       | MONDAY       | TUESDAY      | WEDNESDAY    | THURSDAY     | FRIDAY       | SATURDAY     |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| ER           |              |              |              |              |              |              |
|              |              | 1            | 2            | 3            | 4            | 5            |
| 6            | 7            | 8            | 9<br>no dig  | 10<br>no dig | 11<br>no dig | 12<br>no dig |
| 13<br>no dig | 14<br>no dig | 15<br>no dig | 16<br>no dig | 17<br>no dig | 18<br>no dig | 19           |
| 20           | 21           | 22           | 23           | 24           | 25           | 26           |
| 27           | 28           | 29<br>no dig | 30<br>no dig |              |              |              |
|              |              |              |              |              |              |              |

6

MAY

#REF!

| SUNDAY | MONDAY                   | TUESDAY                             | WEDNESDAY                           | THURSDAY                            | FRIDAY                              | SATURDAY                            |
|--------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| ER     |                          |                                     |                                     |                                     |                                     |                                     |
|        |                          |                                     |                                     | 1                                   | 2                                   | 3                                   |
| 4      | 5                        | 6                                   | 7<br>no dig                         | 8<br>no dig                         | 9<br>no dig                         | 10                                  |
| 11     | 12                       | 13                                  | 14<br>no dig                        | 15<br>no dig                        | 16                                  | 17                                  |
| 18     | 19<br>Non-access, QD arc | 20<br>non-access, QD arc,<br>no-dig | 21<br>non-access, QD arc,<br>no-dig | 22<br>non-access, QD arc,<br>no-dig | 23<br>Non-access, QD arc            | 24<br>Non-access, QD arc            |
| 25     | 26 MEMORIAL DAY          | 27<br>Non-access, QD arc            | 28<br>Non-access, QD arc            | 29<br>non-access, QD arc,<br>no-dig | 30<br>non-access, QD arc,<br>no-dig | 31<br>non-access, QD arc,<br>no-dig |
|        |                          |                                     |                                     |                                     |                                     |                                     |

7

# JUNE

#REF!

| SUNDAY                             | MONDAY                                                | TUESDAY            | WEDNESDAY | THURSDAY     | FRIDAY       | SATURDAY     |
|------------------------------------|-------------------------------------------------------|--------------------|-----------|--------------|--------------|--------------|
| ER                                 |                                                       |                    |           |              |              |              |
| 1<br>non-access, QD arc,<br>no-dig | 2<br>non-access, QD arc,<br>no-dig                    | 3<br>QD arc lifted | 4         | 5            | 6<br>no dig  | 7            |
| 8                                  | 9                                                     | 10                 | 11        | 12<br>no dig | 13<br>no dig | 14           |
| 15                                 | 16<br>GLF began work<br>outside of dig<br>waiver area | 17                 | 18        | 19<br>no dig | 20<br>no dig | 21<br>no dig |
| 22<br>no dig                       | 23<br>no dig                                          | 24                 | 25        | 26           | 27           | 28           |
| 29                                 | 30                                                    |                    |           |              |              |              |
|                                    |                                                       |                    |           |              |              |              |

8

# JULY

#REF!

| SUNDAY | MONDAY       | TUESDAY      | WEDNESDAY    | THURSDAY     | FRIDAY             | SATURDAY |
|--------|--------------|--------------|--------------|--------------|--------------------|----------|
| ER     |              |              |              |              |                    |          |
|        |              | 1            | 2            | 3            | 4 INDEPENDENCE DAY | 5        |
| 6      | 7            | 8<br>no dig  | 9            | 10<br>no dig | 11<br>no dig       | 12       |
| 13     | 14<br>no dig | 15           | 16           | 17           | 18                 | 19       |
| 20     | 21           | 22<br>no dig | 23<br>no dig | 24<br>no dig | 25                 | 26       |
| 27     | 28           | 29           | 30           | 31           |                    |          |
|        |              |              |              |              |                    |          |

9

# AUGUST

#REF!

| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|--------|--------|---------|-----------|----------|--------|----------|
| ER     |        |         |           |          |        |          |
|        |        |         |           |          | 1      | 2        |
| 3      | 4      | 5       | 6         | 7        | 8      | 9        |
| 10     | 11     | 12      | 13        | 14       | 15     | 16       |
| 17     | 18     | 19      | 20        | 21       | 22     | 23       |
| 24     | 25     | 26      | 27        | 28       | 29     | 30       |
| 31     |        |         |           |          |        |          |



10

# SEPTEMBER

#REF!

| SUNDAY | MONDAY      | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|--------|-------------|---------|-----------|----------|--------|----------|
| ER     |             |         |           |          |        |          |
|        | 1 LABOR DAY | 2       | 3         | 4        | 5      | 6        |
| 7      | 8           | 9       | 10        | 11       | 12     | 13       |
| 14     | 15          | 16      | 17        | 18       | 19     | 20       |
| 21     | 22          | 23      | 24        | 25       | 26     | 27       |
| 28     | 29          | 30      |           |          |        |          |
|        |             |         |           |          |        |          |

11

# OCTOBER

#REF!

| SUNDAY | MONDAY          | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|--------|-----------------|---------|-----------|----------|--------|----------|
| ER     |                 |         |           |          |        |          |
|        |                 |         | 1         | 2        | 3      | 4        |
| 5      | 6               | 7       | 8         | 9        | 10     | 11       |
| 12     | 13 COLUMBUS DAY | 14      | 15        | 16       | 17     | 18       |
| 19     | 20              | 21      | 22        | 23       | 24     | 25       |
| 26     | 27              | 28      | 29        | 30       | 31     |          |
|        |                 |         |           |          |        |          |

12

# NOVEMBER

#REF!

| SUNDAY | MONDAY | TUESDAY         | WEDNESDAY | THURSDAY            | FRIDAY | SATURDAY |
|--------|--------|-----------------|-----------|---------------------|--------|----------|
| ER     |        |                 |           |                     |        |          |
|        |        |                 |           |                     |        | 1        |
| 2      | 3      | 4               | 5         | 6                   | 7      | 8        |
| 9      | 10     | 11 VETERANS DAY | 12        | 13                  | 14     | 15       |
| 16     | 17     | 18              | 19        | 20                  | 21     | 22       |
| 23     | 24     | 25              | 26        | 27 THANKSGIVING DAY | 28     | 29       |
| 30     |        |                 |           |                     |        |          |

# 13

# DECEMBER

#REF!

| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY         | FRIDAY | SATURDAY |
|--------|--------|---------|-----------|------------------|--------|----------|
| ER     |        |         |           |                  |        |          |
|        | 1      | 2       | 3         | 4                | 5      | 6        |
| 7      | 8      | 9       | 10        | 11               | 12     | 13       |
| 14     | 15     | 16      | 17        | 18               | 19     | 20       |
| 21     | 22     | 23      | 24        | 25 CHRISTMAS DAY | 26     | 27       |
| 28     | 29     | 30      | 31        | 1 NEW YEARS DAY  | 2      | 3        |
| 4      | 5      | 6       | 7         | 8                | 9      | 10       |

# LETTER OF TRANSMITTAL 14-0028



**GLF CONSTRUCTION CORPORATION**  
 Brickell BayView Centre, Suite 2201  
 80 South West 8<sup>th</sup> Street, Miami, Florida 33130  
 Tel: (305) 371-5228 Fax: (305) 371-9201

TO: Canaveral Port Authority DATE: 3/24/15  
445 Challenger Road  
Port Canaveral, FL 32920

Attn: Dave Perley JOB No.: 396 – Canaveral Harbor 44 Ft. Channel  
 RE: CN-12-014A 44 Ft. Channel Ltr.396.0066.MS

Gentlemen:

WE ARE SENDING YOU:  ATTACHED  UNDER SEPARATE COVER VIA

The following items:

- SHOP DRAWINGS     PRINTS     PLANS     SAMPLES     SPECIFICATIONS  
 CHANGE ORDER     TEST REPORTS     CONTRACT     COPY OF LETTER

| Copies | Date     | No. | Description                                                               |
|--------|----------|-----|---------------------------------------------------------------------------|
| 1      | 03/24/15 |     | CN-12-014A 44 Ft. Channel Ltr.396.0066.MS Non-Access Period (No Dig Days) |
|        |          |     |                                                                           |
|        |          |     |                                                                           |
|        |          |     |                                                                           |
|        |          |     |                                                                           |
|        |          |     |                                                                           |
|        |          |     |                                                                           |

- For your information     For approval     Resubmit \_\_\_ copies for approval  
 As requested     Approved As Is     Resubmit \_\_\_ copies for distribution  
 For your comments     Approved with corrections     Return \_\_\_ corrected prints  
 For distribution     Returned for corrections

COMMENTS:

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Copy to \_\_\_\_\_ File \_\_\_\_\_

Signed:



March 23, 2015

**David W. Perley, AIC/CPE**  
**Senior Director, Port Construction & Infrastructure**  
**445 Challenger Road, Suite 301**  
**Cape Canaveral, FL 32920**

**SUBJECT: Canaveral Harbor 44 Foot Channel Project – Package 1**  
**Upland and Minor Marine Works**  
**Contract Number CN1-8-10-12-014A**  
**Non-Access Period (No Dig Days)**

**OUR REF: 396/0066/MS**

Dear Mr. Perley:

GLF Construction Corporation on January 16, 2015, submitted a notice of delay due to the Non-Access Periods (No Dig Days) that have impacted the project schedule. Attach you will find a spreadsheet with the detail cost amounting to \$488,249.22. This cost represents the effect of the dig days from July 23, 2014 thru December 16, 2014. Please be aware that this is just a partial cost due to the ongoing delay. In addition to the cost, GLF Construction Corporation is requesting 50 days be added to the contract time.

If you have any question please contact me at 407-504-9637.

Sincerely,

**GLF CONSTRUCTION CORPORATION**

A handwritten signature in black ink, appearing to read "Michael Sturgeon", is written over a white background.

**Michael Sturgeon**  
**Project Manager**



**CANAVERAL HARBOR 44FT CHANNEL PROJECT  
PORT CANAVERAL  
Contract No. CN1-8-10-12-014A**

No Dig Days 6-23-14 thru 12-16-14

**COST BREAKDOWN**

**A. LABOR AND BURDEN**

| Description                           | Base Rate |       | Burdened Rate |       | Est. Duration |     | Total Cost<br>Direct labor |
|---------------------------------------|-----------|-------|---------------|-------|---------------|-----|----------------------------|
|                                       | Reg.      | OT    | Reg.          | OT    | Reg.          | OT  |                            |
| Project Manager                       | 53.55     | 53.55 | 66.86         | 66.86 | 400.00        | -   | 26,744.00                  |
| Project Engineer                      | 61.07     | 61.07 | 81.54         | 81.54 | 400.00        | -   | 32,616.28                  |
| Project Superintendent - General      | 57.69     | 57.69 | 72.28         | 72.28 | 400.00        | -   | 28,911.04                  |
| Project Superintendent - Pile driving | 38.46     | 38.46 | 49.65         | 49.65 | 400.00        | -   | 19,859.52                  |
| Office Manager                        | 14.42     | 14.42 | 22.03         | 22.03 | 400.00        | -   | 8,813.00                   |
| Pile Driving Foreman                  | 29.00     | 43.50 | 45.21         | 58.36 | 400.00        | 100 | 23,920.00                  |
| Crane Operator                        | 28.00     | 42.00 | 36.48         | 52.06 | 400.00        | 100 | 19,798.00                  |
| Pile Driver                           | 18.00     | 25.50 | 22.15         | 30.68 | 400.00        | 100 | 11,928.00                  |
| Pile Driver                           | 18.00     | 25.50 | 22.15         | 30.68 | 400.00        | 100 | 11,928.00                  |
| Pile Driver                           | 18.00     | 25.50 | 22.15         | 30.68 | 400.00        | 100 | 11,928.00                  |
| <b>Total Direct Labor</b>             |           |       |               |       |               |     | <b>196,445.84</b>          |

**PER DIEMS**

| Employee Name      | Rate Per Day | No. of Day | Total           |
|--------------------|--------------|------------|-----------------|
| Supervision (3 EA) | 25.00        | 150.00     | 3,750.00        |
| Pile Driver (1 EA) | 25.00        | 50.00      | 1,250.00        |
| <b>Per Diems</b>   |              |            | <b>5,000.00</b> |

**B. EQUIPMENT**

| Equipment Description            | Monthly   | Regional | Rate  | Adjusted  | Allowable | Allow. Hour | Allowable | Operated | Idle Hours | Total Cost |                   |
|----------------------------------|-----------|----------|-------|-----------|-----------|-------------|-----------|----------|------------|------------|-------------------|
|                                  | Rate      | Adj.     | Table | Monthly   | Hourly    | Operating   | Rate per  | Hours    |            |            |                   |
| American 7260                    | 17,488.17 | -        | -     | 17,488.17 | 99.36     | 94.10       | 193.46    | 99.36    | -          | 500.00     | 49,682.30         |
| APE 200 Vibro                    | 4,558.00  | -        | -     | 4,558.00  | 25.90     | 108.90      | 134.80    | 25.90    | -          | 500.00     | 12,948.86         |
| APE 630 PU                       | 5,512.00  | -        | -     | 5,512.00  | 31.32     | -           | 31.32     | 31.32    | -          | 500.00     | 15,659.09         |
| APE D75 Drill w/PU & Accessories | 10,120.00 | -        | -     | 10,120.00 | 57.50     | 98.75       | 156.25    | 57.50    | -          | 500.00     | 28,750.00         |
| Boom Lift 126' 4WD Diesel S125   | 6,890.00  | -        | -     | 6,890.00  | 39.15     | 33.90       | 73.05     | 39.15    | -          | 500.00     | 19,573.86         |
| Loader CAT950                    | 5,724.00  | -        | -     | 5,724.00  | 32.52     | 42.60       | 75.12     | 32.52    | -          | 500.00     | 16,261.36         |
| Welder                           | 202.37    | -        | -     | 202.37    | 1.15      | 9.65        | 10.80     | 1.82     | -          | 500.00     | 910.00            |
| Pick-up Tacoma 4x2 2014          | 712.21    | -        | -     | 712.21    | 4.05      | 19.20       | 23.25     | 4.05     | -          | 500.00     | 2,025.00          |
| Pick-up Ford F150 Crew 2011      | 957.96    | -        | -     | 957.96    | 5.44      | 24.55       | 29.99     | 5.44     | -          | 500.00     | 2,720.00          |
| Pick-up Ford F150 Crew 2013      | 983.53    | -        | -     | 983.53    | 5.59      | 22.55       | 28.14     | 5.59     | -          | 500.00     | 2,794.12          |
| Pick-up Ford F150 Crew 2013      | 983.53    | -        | -     | 983.53    | 5.59      | 23.55       | 29.14     | 5.59     | -          | 500.00     | 2,794.12          |
| Pick-up Ford F150 Crew 2014      | 983.53    | -        | -     | 983.53    | 5.59      | 24.55       | 30.14     | 5.59     | -          | 500.00     | 2,794.12          |
| Generator                        | 996.16    | -        | -     | 996.16    | -         | -           | 5.66      | 0.86     | -          | 500.00     | 430.00            |
| Dumpster                         | 354.06    | -        | -     | 354.06    | 2.01      | -           | 2.01      | 2.01     | -          | 500.00     | 1,005.85          |
| Field Office                     | 1,039.07  | -        | -     | 1,039.07  | 5.90      | -           | 5.90      | 5.90     | -          | 500.00     | 2,951.90          |
| Port-a Let                       | 63.60     | -        | -     | 63.60     | 0.36      | -           | 0.36      | 0.36     | -          | 500.00     | 180.68            |
| Backhoe                          | 5,196.60  | -        | -     | 5,196.60  | 29.53     | -           | 29.53     | 29.53    | -          | 500.00     | 14,763.07         |
| <b>Total Equipment</b>           |           |          |       |           |           |             |           |          |            |            | <b>176,244.35</b> |

Notes:

1. Monthly rates are based on outside rental and/or in-house rates.
2. Hourly operating costs are based on Blue Book Rates.
3. Blue Book Rate for APE Drill D75 is unavailable. Operating cost for ICE 75 Hammer is used as comparable equipment.
4. Blue Book Rate for CAT950K Loader is unavailable. Operating cost for CAT950H is used as comparable equipment.

**C. MATERIAL**

| Description           | No. | Unit | Unit Rate | Total |
|-----------------------|-----|------|-----------|-------|
| <b>Total Material</b> |     |      |           | -     |

**D. OTHER COST**

| Description             | No.    | Unit | Unit Rate | Total            |
|-------------------------|--------|------|-----------|------------------|
| Torch & Misc. Tools     | 50.00  | Day  | 30.00     | 1,500.00         |
| Phone Service           | 50.00  | Day  | 30.00     | 1,500.00         |
| Hotel (4 Ea)            | 200.00 | Day  | 188.00    | 37,600.00        |
| <b>Total Other Cost</b> |        |      |           | <b>40,600.00</b> |

**E. SUBCONTRACT WORK**

| Description                   | No. | Unit | Unit Rate | Total |
|-------------------------------|-----|------|-----------|-------|
| <b>Total Subcontract Work</b> |     |      |           | -     |

| SUMMARY                                  | Total Cost | Mark-up   | Extended Total    |
|------------------------------------------|------------|-----------|-------------------|
| A. Labor & Burden (incl. Per Diems)      | 201,445.84 | 30,216.88 | 231,662.72        |
| B. Equipment Cost                        | 176,244.35 | 26,436.65 | 202,681.00        |
| C. Material Cost                         | -          | -         | -                 |
| D. Other Cost                            | 40,600.00  | 6,090.00  | 46,690.00         |
| E. Subcontract Work                      | -          | -         | -                 |
| Subtotal                                 | 418,290.19 | 62,743.53 | 481,033.71        |
| Bond Cost 1.5%                           |            |           | 7,215.51          |
| <b>Total Estimated Change Order Cost</b> |            |           | <b>488,249.22</b> |
| <b>Total Requested Calendar Days</b>     |            |           | <b>50.00</b>      |