

# ATTACHMENT 5B\*

PRAC COSTS  
(PROVIDED ON THUMB DRIVE)



Texas Custodial Trust, Former ASARCO Smelter, El Paso, Texas  
 Estimated Cashflow for Operations, Monitoring, Maintenance, Repairs from Storm Events, and Ground Water Remedy Enhancements (including Permeable Reactive Cell [PRC])  
 August, 2016

| Activity  | Year After Remedy Installed |         |         |         |         |         |           |           |         |           |           |         |         |         |         |         |         |         |         |           |         |         |         |         |         |
|---|-----------------------------|---------|---------|---------|---------|---------|-----------|-----------|---------|-----------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|
|   | 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      |
| <b>Monitoring</b>                               |                             |         |         |         |         |         |           |           |         |           |           |         |         |         |         |         |         |         |         |           |         |         |         |         |         |
| Ground Water Monitoring                         | 81,023                      | 81,023  | 81,023  | 81,023  | 81,023  | 72,921  | 72,921    | 72,921    | 72,921  | 72,921    | 65,629    | 65,629  | 65,629  | 65,629  | 65,629  | 59,066  | 59,066  | 59,066  | 59,066  | 59,066    | 53,159  | 53,159  | 53,159  | 53,159  | 53,159  |
| Surface Water Monitoring                        | 14,584                      | 14,584  | 14,584  | 14,584  | 14,584  | 13,126  | 13,126    | 13,126    | 13,126  | 13,126    | 11,813    | 11,813  | 11,813  | 11,813  | 11,813  | 10,632  | 10,632  | 10,632  | 10,632  | 10,632    | 9,569   | 9,569   | 9,569   | 9,569   | 9,569   |
| Permeable Reactive Barriers (PRBs) Monitoring   | 39,512                      | 39,512  | 39,512  | 39,512  | 39,512  | 35,561  | 35,561    | 35,561    | 35,561  | 35,561    | 32,005    |         |         |         |         | 0       |         |         |         |           | 0       |         |         |         |         |
| Storm Water Monitoring                          | 35,643                      | 35,643  | 35,643  | 35,643  | 35,643  | 32,079  | 32,079    | 32,079    | 32,079  | 32,079    | 28,871    | 28,871  | 28,871  | 28,871  | 28,871  | 25,984  | 25,984  | 25,984  | 25,984  | 25,984    | 23,385  | 23,385  | 23,385  | 23,385  | 23,385  |
| BMP Monitoring                                  | 8,368                       | 8,368   | 8,368   | 8,368   | 8,368   | 8,368   | 8,368     | 8,368     | 8,368   | 8,368     | 7,531     | 7,531   | 7,531   | 7,531   | 7,531   | 6,778   | 6,778   | 6,778   | 6,778   | 6,778     | 6,100   | 6,100   | 6,100   | 6,100   | 6,100   |
| Subtotal  | 179,130                     | 179,130 | 179,130 | 179,130 | 179,130 | 162,054 | 162,054   | 162,054   | 162,054 | 162,054   | 145,848   | 113,844 | 113,844 | 113,844 | 113,844 | 102,459 | 102,459 | 102,459 | 102,459 | 102,459   | 92,213  | 92,213  | 92,213  | 92,213  | 92,213  |
| <b>Operations and Maintenance</b>               |                             |         |         |         |         |         |           |           |         |           |           |         |         |         |         |         |         |         |         |           |         |         |         |         |         |
| East Property GHB Extraction System O&M         | 16,995                      | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  | 16,995    | 16,995    | 16,995  | 16,995    | 16,995    | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  | 16,995    | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  |
| Permeable Reactive Cell (PRC) O&M               |                             |         |         |         |         |         |           |           |         |           | 103,521   | 103,521 | 103,521 | 103,521 | 103,521 | 183,032 | 183,032 | 183,032 | 183,032 | 183,032   | 106,250 | 106,250 | 106,250 | 106,250 | 106,250 |
| Plant and East Property Soil Covers             | 14,000                      | 14,000  | 14,000  | 149,000 | 14,000  | 14,000  | 14,000    | 149,000   | 14,000  | 14,000    | 14,000    | 149,000 | 14,000  | 14,000  | 14,000  | 14,000  | 14,000  | 14,000  | 14,000  | 14,000    | 149,000 | 14,000  | 14,000  | 14,000  | 149,000 |
| Plant Asphalt Covers                            | 5,000                       | 5,000   | 5,000   | 31,000  | 5,000   | 5,000   | 5,000     | 31,000    | 5,000   | 5,000     | 5,000     | 31,000  | 5,000   | 5,000   | 5,000   | 5,000   | 5,000   | 5,000   | 5,000   | 5,000     | 31,000  | 5,000   | 5,000   | 5,000   | 31,000  |
| Cells 1-4 Cover Systems and Leachate Management | 36,000                      | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  | 36,000    | 36,000    | 36,000  | 36,000    | 36,000    | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  | 36,000    | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  |
| Storm Water Detention Ponds and Channels O&M    | 31,000                      | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  | 31,000    | 31,000    | 31,000  | 31,000    | 31,000    | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  | 31,000    | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  |
| Storm Water Gabion O&M                          | 38,000                      | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  | 38,000    | 38,000    | 38,000  | 38,000    | 38,000    | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  | 38,000    | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  |
| Paisano and PBA Slope Erosion Protection        | 178,000                     | 178,000 | 178,000 |         | 178,000 |         |           | 11,800    | 11,800  | 11,800    | 11,800    | 34,000  | 11,800  | 11,800  | 11,800  | 34,000  | 11,800  | 11,800  | 11,800  | 11,800    | 11,800  | 34,000  | 11,800  | 11,800  | 11,800  |
| P&A Wells                                       | 43,285                      |         |         |         |         |         |           |           |         |           |           |         |         |         |         |         |         |         |         |           |         |         |         |         |         |
| Monitoring Well Installations and Repairs       | 58,945                      |         |         |         |         |         |           |           |         |           |           |         |         |         |         |         |         |         |         |           |         |         |         |         |         |
| Install PRC (augment PRBs)                      |                             |         |         |         |         |         |           |           |         |           | 1,152,454 |         |         |         |         |         |         |         |         |           |         |         |         |         |         |
| East Stockpile Year 1 Maintenance               | 461,000                     |         |         |         |         |         |           |           |         |           |           |         |         |         |         |         |         |         |         |           |         |         |         |         |         |
| Boneyard Year 1 Maintenance                     | 335,000                     |         |         |         |         |         |           |           |         |           |           |         |         |         |         |         |         |         |         |           |         |         |         |         |         |
| Cell 4 Future Closure (assume year 10)          |                             |         |         |         |         |         |           |           |         |           | 382,000   |         |         |         |         |         |         |         |         |           |         |         |         |         |         |
| Plant Site Year 1 Maintenance                   | 321,000                     |         |         |         |         |         |           |           |         |           |           |         |         |         |         |         |         |         |         |           |         |         |         |         |         |
| Subtotal  | 1,538,225                   | 318,995 | 318,995 | 301,995 | 318,995 | 140,995 | 140,995   | 313,795   | 152,795 | 1,687,249 | 256,316   | 439,516 | 256,316 | 256,316 | 256,316 | 496,827 | 358,027 | 335,827 | 335,827 | 496,827   | 259,045 | 281,245 | 259,045 | 420,045 | 259,045 |
| <b>Trustee</b>                                  | 78,000                      | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000    | 26,000    | 26,000  | 26,000    | 26,000    | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000    | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  |
| Totals w/o Contingency Items                    | 1,795,355                   | 524,125 | 524,125 | 507,125 | 524,125 | 329,049 | 329,049   | 501,849   | 340,849 | 1,875,303 | 428,164   | 579,360 | 396,160 | 396,160 | 396,160 | 625,286 | 486,486 | 464,286 | 464,286 | 625,286   | 377,258 | 399,458 | 377,258 | 538,258 | 377,258 |
| <b>Contingency Items</b>                        |                             |         |         |         |         |         |           |           |         |           |           |         |         |         |         |         |         |         |         |           |         |         |         |         |         |
| Additional Monitoring if GW Release Detected    |                             |         |         |         | 81,023  |         |           |           |         |           |           |         |         |         | 65,629  |         |         |         |         |           |         |         |         |         | 53,159  |
| Extraordinary Storm Event Repairs               |                             |         |         |         |         |         |           |           |         | 834,000   |           |         |         |         |         |         |         |         |         |           | 834,000 |         |         |         |         |
| Paisano Slope Geosynthetic Cover (TCT Property) |                             |         |         |         |         |         |           | 1,502,000 |         |           |           |         |         |         |         |         |         |         |         |           |         |         |         |         |         |
| PBA Slope Geosynthetic Cover                    |                             |         |         |         |         |         |           | 634,000   |         |           |           |         |         |         |         |         |         |         |         |           |         |         |         |         |         |
| Add or Replace 2 wells Every 10 Years           |                             |         |         |         |         |         |           |           |         | 29,473    |           |         |         |         |         |         |         |         |         |           |         |         |         |         | 29,473  |
| Subtotal  | 0                           | 0       | 0       | 0       | 81,023  | 0       | 2,136,000 | 0         | 0       | 863,473   | 0         | 0       | 0       | 0       | 65,629  | 0       | 0       | 0       | 0       | 0         | 863,473 | 0       | 0       | 0       | 53,159  |
| Annual Totals                                   | 1,795,355                   | 524,125 | 524,125 | 507,125 | 605,148 | 329,049 | 2,465,049 | 501,849   | 340,849 | 2,738,775 | 428,164   | 579,360 | 396,160 | 396,160 | 461,788 | 625,286 | 486,486 | 464,286 | 464,286 | 1,488,759 | 377,258 | 399,458 | 377,258 | 538,258 | 430,418 |
| \$15,786,593.24                                 |                             |         |         |         |         |         |           |           |         |           |           |         |         |         |         |         |         |         |         |           |         |         |         |         |         |

|   |   |  |  |  |   |   |  |  |                                   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|--|--|--|---|---|--|--|-----------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <b>Operations, Maintenance and Monitoring Notes</b> | Assume Inspection only on O&M except in years noted. Includes year one items identified in RAP for GW compliance. |  |  | Assume Inspection plus repairs needed on O&M every 4 years.  | Assume 90% of previous monitoring required after 5 years. |   | Paisano and PBA erosion control costs eliminated since cover installed. Cost is for inspection only. |  | Assume PRC Replaces Existing PRBs | Assume 90% of previous monitoring required after 5 years. | Paisano and PBA slope cover requires inspection and minor repairs. |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Contingency Notes</b>                            |   |  |  | Assume the existing GW plume becomes persistently elevated in an area in the floodplain requiring two additional monitoring events |   | Assume elevated stormwater run-off persists above standards requiring a cover to be installed on the slopes |  | Assume a large storm requires extraordinary repairs and offsite clean up. Replace 2 GW monitoring Wells. |                                   |   |  |  |  |  |  |  |  |  |  | Assume a large storm requires extraordinary repairs and offsite clean up. Replace 2 GW monitoring Wells. |  |  |  | Assume the existing GW plume becomes persistently elevated in an area in the floodplain requiring two additional monitoring events |

Texas Custodial Trust, Former ASARCO Smelter  
 Estimated Cashflow for Operations, Monitoring, &  
 August, 2016

| Activity  | 26      | 27      | 28      | 29      | 30      | 31      | 32      | 33      | 34      | 35      | 36      | 37      | 38      | 39      | 40      | 41      | 42      | 43      | 44      | 45      | 46      | 47      | 48      | 49      | 50      |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>Monitoring</b>                               |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Ground Water Monitoring                         | 47,843  | 47,843  | 47,843  | 47,843  | 47,843  | 23,922  | 23,922  | 23,922  | 23,922  | 23,922  | 23,922  | 23,922  | 23,922  | 23,922  | 23,922  |         |         |         |         |         |         |         |         |         |         |
| Surface Water Monitoring                        | 8,612   | 8,612   | 8,612   | 8,612   | 8,612   | 8,612   | 8,612   | 8,612   | 8,612   | 8,612   | 8,612   | 8,612   | 8,612   | 8,612   | 8,612   |         |         |         |         |         |         |         |         |         |         |
| Permeable Reactive Barriers (PRBs) Monitoring   | 0       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Storm Water Monitoring                          | 21,047  | 21,047  | 21,047  | 21,047  | 21,047  | 21,047  | 21,047  | 21,047  | 21,047  | 21,047  | 21,047  | 21,047  | 21,047  | 21,047  | 21,047  | 21,047  | 21,047  | 21,047  | 21,047  | 21,047  | 21,047  | 21,047  | 21,047  | 21,047  | 21,047  |
| BMP Monitoring                                  | 5,490   | 5,490   | 5,490   | 5,490   | 5,490   | 5,490   | 5,490   | 5,490   | 5,490   | 5,490   | 5,490   | 5,490   | 5,490   | 5,490   | 5,490   | 5,490   | 5,490   | 5,490   | 5,490   | 5,490   | 5,490   | 5,490   | 5,490   | 5,490   | 5,490   |
| Subtotal  | 82,992  | 82,992  | 82,992  | 82,992  | 82,992  | 59,070  | 59,070  | 59,070  | 59,070  | 59,070  | 59,070  | 59,070  | 59,070  | 59,070  | 59,070  | 26,537  | 26,537  | 26,537  | 26,537  | 26,537  | 26,537  | 26,537  | 26,537  | 26,537  | 26,537  |
| <b>Operations and Maintenance</b>               |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| East Property GHB Extraction System O&M         | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  | 16,995  |
| Permeable Reactive Cell (PRC) O&M               | 106,250 | 106,250 | 106,250 |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Plant and East Property Soil Covers             | 14,000  | 14,000  | 149,000 | 14,000  | 14,000  | 14,000  | 149,000 | 14,000  | 14,000  | 14,000  | 149,000 | 14,000  | 14,000  | 14,000  | 149,000 | 14,000  | 14,000  | 14,000  | 149,000 | 14,000  | 14,000  | 14,000  | 149,000 | 14,000  | 14,000  |
| Plant Asphalt Covers                            | 5,000   | 5,000   | 31,000  | 5,000   | 5,000   | 5,000   | 31,000  | 5,000   | 5,000   | 5,000   | 31,000  | 5,000   | 5,000   | 5,000   | 31,000  | 5,000   | 5,000   | 5,000   | 31,000  | 5,000   | 5,000   | 5,000   | 31,000  | 5,000   | 5,000   |
| Cells 1-4 Cover Systems and Leachate Management | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  | 36,000  |
| Storm Water Detention Ponds and Channels O&M    | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  | 31,000  |
| Storm Water Gabion O&M                          | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  | 38,000  |
| Paisano and PBA Slope Erosion Protection        | 11,800  | 34,000  | 11,800  | 11,800  | 11,800  | 11,800  | 34,000  | 11,800  | 11,800  | 11,800  | 11,800  | 34,000  | 11,800  | 11,800  | 11,800  | 11,800  | 34,000  | 11,800  | 11,800  | 11,800  | 11,800  | 34,000  | 11,800  | 11,800  | 11,800  |
| P&A Wells                                       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Monitoring Well Installations and Repairs       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Install PRC (augment PRBs)                      |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| East Stockpile Year 1 Maintenance               |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Boneyard Year 1 Maintenance                     |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Cell 4 Future Closure (assume year 10)          |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Plant Site Year 1 Maintenance                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Subtotal  | 259,045 | 281,245 | 420,045 | 152,795 | 152,795 | 152,795 | 335,995 | 152,795 | 152,795 | 152,795 | 313,795 | 174,995 | 152,795 | 152,795 | 313,795 | 152,795 | 174,995 | 152,795 | 313,795 | 152,795 | 152,795 | 174,995 | 313,795 | 152,795 | 152,795 |
| <b>Trustee</b>                                  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  | 26,000  |
| Totals w/o Contingency Items                    | 368,037 | 390,237 | 529,037 | 261,787 | 261,787 | 237,865 | 421,065 | 237,865 | 237,865 | 237,865 | 398,865 | 260,065 | 237,865 | 237,865 | 398,865 | 205,332 | 227,532 | 205,332 | 366,332 | 205,332 | 205,332 | 227,532 | 366,332 | 205,332 | 205,332 |
| <b>Contingency Items</b>                        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Additional Monitoring if GW Release Detected    |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Extraordinary Storm Event Repairs               |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Paisano Slope Geosynthetic Cover (TCT Property) |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| PBA Slope Geosynthetic Cover                    |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Add or Replace 2 wells Every 10 Years           |         |         |         |         | 29,473  |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Subtotal  | 0       | 0       | 0       | 0       | 29,473  | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| Annual Totals                                   | 368,037 | 390,237 | 529,037 | 261,787 | 291,260 | 237,865 | 421,065 | 237,865 | 237,865 | 237,865 | 398,865 | 260,065 | 237,865 | 237,865 | 398,865 | 205,332 | 227,532 | 205,332 | 366,332 | 205,332 | 205,332 | 227,532 | 366,332 | 205,332 | 205,332 |
| \$15,786,593.24                                 |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |

|   |   |  |                    |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|--|--------------------|--------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <b>Operations, Maintenance and Monitoring Notes</b> | Assume 90% of previous monitoring required after 5 years. | Paisano and PBA slope cover requires inspection and minor repairs. | PRC is turned off. |                                | Remedy Complete, GW monitoring reduced by 50%. | Paisano and PBA slope cover requires inspection and minor repairs. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Contingency Notes</b>                            |   |  |                    | Replace 2 GW monitoring wells. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| Groundwater, Surface Water, and Stormwater Operations and Monitoring Activities |  |             |             |                   |                      |                     |                              |            |
|---|--|-------------|-------------|-------------------|----------------------|---------------------|------------------------------|------------|
| Task  |  | Labor Hours | Labor Costs | Communication Fee | Expenses (with 6.5%) | Subcontractor Costs | Subcontractor Mark Up (6.5%) | Task Total |
| 1   | Groundwater Monitoring and Reporting   | 590         | \$55,494    | \$1,665           | \$6,028              | \$16,748            | \$1,089                      | \$81,023   |
| 2   | Surface Water Monitoring and Reporting | 101         | \$9,998     | \$300             | \$1,065              | \$3,024             | \$197                        | \$14,584   |
| 3   | PRB Monitoring and Reporting           | 212         | \$19,446    | \$583             | \$3,813              | \$14,714            | \$956                        | \$39,512   |
| 4   | East Property GHB Treatment System O&M | 157         | \$14,318    | \$430             | \$1,970              | \$260               | \$17                         | \$16,995   |
| 5   | Storm Water Monitoring and Reporting   | 224         | \$21,204    | \$636             | \$1,065              | \$11,960            | \$777                        | \$35,643   |
| 6   | BMP Monitoring                         | 74          | \$7,318     | \$220             | \$213                | \$580               | \$38                         | \$8,368    |
| 7   | P&A Wells                              | 217         | \$23,258    | \$698             | \$160                | \$18,000            | \$1,170                      | \$43,285   |
| 8   | Monitor Well Installation and Repair   | 185         | \$17,006    | \$510             | \$426                | \$38,500            | \$2,503                      | \$58,945   |
| <b>Work Authorization Total:</b>  |  | 1,760       | \$168,042   | \$5,041           | \$14,740             | \$103,786           | \$6,746                      | \$298,355  |

The estimate is for activities that may be required after a storm event or series of events that causes significant erosion and offsite migration of soils from the site.

Assumptions: One month of clean-up activities will be needed with the forces shown below. Assume 10,000 tons of clean soils from EBS need to be placed and compacted in various locations using 8 10-wheelers and additional grading, compaction, gravel and rip rap will be provided where needed. Also assume 5000 tons of soils that migrate offsite need to be cleaned up and disposed in Cell 4 also with 8 10 wheelers. A short letter report documenting the activities and CQA observations and testing will be prepared.

| Equipment (operated) and Labor   | Rate (\$) | Unit | Qty   | Ext.    | Materials                     | Rate (\$) | Unit | Qty   | Ext.   | Subcontractors                 | Rate (\$) | Unit   | Qty | Ext.   | Comment                            |
|----------------------------------|-----------|------|-------|---------|-------------------------------|-----------|------|-------|--------|--------------------------------|-----------|--------|-----|--------|------------------------------------|
| 10 - Wheeler Dump                | 120       | hr   | 1400  | 168,000 | Soils from East Borrow Source | 0         | ton  | 10000 | 0      | Geotechnical testing           | 1200      | day    | 15  | 18,000 | At site every other day            |
| 980 Loader                       | 167       | hr   | 180   | 30,060  | Gravel                        | 25        | ton  | 1000  | 25,000 | Analytical Testing             | 150       | sample | 25  | 3,750  | Assume for soils char. and conf.   |
| 200 Series Excavator             | 192       | hr   | 180   | 34,560  | Rip Rap                       | 30        | ton  | 500   | 15,000 | Earthwork                      |           | ls     | 1   | 0      |                                    |
| Water Truck                      | 108       | hr   | 360   | 38,880  |                               |           |      |       | 0      | Geosynthetic                   | 20000     | ls     | 1   | 20,000 | Assume minor repairs need in ponds |
| D9 Dozer                         | 234       | hr   |       | 0       |                               |           |      |       | 0      | Piping                         |           | ls     | 1   | 0      |                                    |
| D6 Dozer                         | 134       | hr   | 180   | 24,120  |                               |           |      |       | 0      | Concrete                       | 12000     | ls     | 1   | 12,000 | Assume some minor concrete repairs |
| Pick-up Truck                    | 15        | hr   | 540   | 8,100   |                               |           |      |       | 0      | Surveyor                       | 200       | hr     | 80  | 16,000 | Record surveys                     |
| 40-ton Haul Truck                | 196       | hr   |       | 0       |                               |           |      |       | 0      |                                |           |        |     | 0      |                                    |
| Operator                         | 67        | hr   |       | 0       |                               |           |      |       | 0      |                                |           |        |     | 0      |                                    |
| Laborer                          | 49        | hr   | 360   | 17,640  |                               |           |      |       | 0      |                                |           |        |     | 0      |                                    |
| Principal                        | 203       | hr   | 200   | 40,600  |                               |           |      |       | 0      |                                |           |        |     | 0      |                                    |
| Senior CM                        | 139       | hr   | 80    | 11,120  |                               |           |      |       | 0      |                                |           |        |     | 0      |                                    |
| CQA Manager                      | 155       | hr   | 120   | 18,600  |                               |           |      |       | 0      |                                |           |        |     | 0      |                                    |
| CQA Technician                   | 97        | hr   | 400   | 38,800  |                               |           |      |       | 0      |                                |           |        |     | 0      |                                    |
| Safety Officer                   | 110       | hr   | 120   | 13,200  |                               |           |      |       | 0      |                                |           |        |     | 0      |                                    |
| 815 Compactor                    | 192       | hr   | 180   | 34,560  |                               |           |      |       | 0      |                                |           |        |     | 0      |                                    |
|                                  |           |      |       | 0       |                               |           |      |       | 0      |                                |           |        |     | 0      |                                    |
| Mobilization                     | 1500      | ea   | 14    | 21,000  |                               |           |      |       | 0      |                                |           |        |     | 0      |                                    |
| Demobilization                   | 1500      | ea   | 14    | 21,000  |                               |           |      |       | 0      |                                |           |        |     | 0      |                                    |
| Per Diem (8 hour days)           | 136       | day  | 537.5 | 73,100  |                               |           |      |       | 0      |                                |           |        |     | 0      |                                    |
| Expenses                         | 25000     | ls   | 1     | 25,000  | Other                         | 5000      | ls   | 1     | 5,000  |                                |           |        |     | 0      |                                    |
| Total Labor and Equipment        |           |      |       | 618,340 | Total Materials               |           |      |       | 45,000 | Total Subcontractors           |           |        |     | 69,750 |                                    |
| Contingency at 15%               |           |      |       | 92,751  | Mark-up at 6.5%               |           |      |       | 2,925  | Mark-up at 6.5%                |           |        |     | 4,534  |                                    |
| Total Labor and Equip. w/Mark-up |           |      |       | 711,091 | Total Materials w/Mark-up     |           |      |       | 47,925 | Total Subcontractors w/Mark-up |           |        |     | 74,284 |                                    |
| Grand Total =====>               |           |      |       | 834,000 |                               |           |      |       |        |                                |           |        |     |        |                                    |

The estimate is for activities that may be required to improve storm water quality due to contact with the planned treated slope. Any soils generated will be disposed in Cell 4.

Assumptions: This would only be needed if future monitoring shows run-off does not meet standards. There may be less rigorous and less expensive alternative solutions. If implemented, a CQA report documenting the activities and CQA observations and testing will be prepared. Activities include, site preparation, backfill and grading, concrete work, cover materials (closure turf assumed) and anchors.

| Equipment (operated) and Labor   | Rate (\$) | Unit | Qty   | Ext.    | Materials                     | Rate (\$) | Unit | Qty | Ext. | Subcontractors                 | Rate (\$) | Unit   | Qty    | Ext.    | Comment                                |
|----------------------------------|-----------|------|-------|---------|-------------------------------|-----------|------|-----|------|--------------------------------|-----------|--------|--------|---------|--|
| 10 - Wheeler Dump                | 120       | hr   | 300   | 36,000  | Soils from East Borrow Source | 0         | ton  |     | 0    | Geotechnical testing           | 1200      | day    |        | 0       |  |
| 980 Loader                       | 167       | hr   | 100   | 16,700  | Gravel                        | 25        | ton  |     | 0    | Analytical Testing             | 150       | sample | 10     | 1,500   | Assume for soils char.                 |
| 200 Series Excavator             | 192       | hr   | 1080  | 207,360 | Rip Rap                       | 30        | ton  |     | 0    | Vacuum Truck                   | 215       | hr     |        | 0       |  |
| Water Truck                      | 108       | hr   | 540   | 58,320  |                               |           |      |     | 0    | Geosynthetic (closure turf)    | 3.5       | sf     | 212500 | 743,750 | Unit cost from discussions with vendor |
| D9 Dozer                         | 234       | hr   |       | 0       |                               |           |      |     | 0    | Piping                         |           | ls     |        | 0       |  |
| D6 Dozer                         | 134       | hr   |       | 0       |                               |           |      |     | 0    | Concrete                       | 50000     | ls     | 1      | 50,000  | Assume limited concrete work needed    |
| Pick-up Truck                    | 15        | hr   | 540   | 8,100   |                               |           |      |     | 0    | Surveyor                       | 200       | hr     | 40     | 8,000   | Record Surveys                         |
| 40-ton Haul Truck                | 196       | hr   |       | 0       |                               |           |      |     | 0    |                                |           |        |        | 0       |  |
| Operator                         | 67        | hr   |       | 0       |                               |           |      |     | 0    |                                |           |        |        | 0       |  |
| Laborer                          | 49        | hr   | 1080  | 52,920  |                               |           |      |     | 0    |                                |           |        |        | 0       |  |
| Principal                        | 203       | hr   |       | 0       |                               |           |      |     | 0    |                                |           |        |        | 0       |  |
| Senior CM                        | 139       | hr   |       | 0       |                               |           |      |     | 0    |                                |           |        |        | 0       |  |
| CQA Manager                      | 155       | hr   | 80    | 12,400  |                               |           |      |     | 0    |                                |           |        |        | 0       |  |
| CQA Technician                   | 97        | hr   | 540   | 52,380  |                               |           |      |     | 0    |                                |           |        |        | 0       |  |
| Safety Officer                   | 110       | hr   |       | 0       |                               |           |      |     | 0    |                                |           |        |        | 0       |  |
| 815 Compactor                    | 192       | hr   |       | 0       |                               |           |      |     | 0    |                                |           |        |        | 0       |  |
|                                  |           |      |       | 0       |                               |           |      |     | 0    |                                |           |        |        | 0       |  |
| Mobilization                     | 1500      | ea   |       | 0       |                               |           |      |     | 0    |                                |           |        |        | 0       |  |
| Demobilization                   | 1500      | ea   |       | 0       |                               |           |      |     | 0    |                                |           |        |        | 0       |  |
| Per Diem (8 hour days)           | 136       | day  | 532.5 | 72,420  |                               |           |      |     | 0    |                                |           |        |        | 0       |  |
| Expenses                         |           | ls   | 1     | 0       | Other                         |           | ls   | 1   | 0    |                                |           |        |        | 0       |  |
| Total Labor and Equipment        |           |      |       | 516,600 | Total Materials               |           |      |     | 0    | Total Subcontractors           |           |        |        | 803,250 |  |
| Contingency at 25%               |           |      |       | 129,150 | Mark-up at 6.5%               |           |      |     | 0    | Mark-up at 6.5%                |           |        |        | 52,211  |  |
| Total Labor and Equip. w/Mark-up |           |      |       | 645,750 | Total Materials w/Mark-up     |           |      |     | 0    | Total Subcontractors w/Mark-up |           |        |        | 855,461 |  |

Grand Total =====> 1,502,000

The estimate is for activities that may be required to improve storm water quality due to contact with the planned treated slope. The slope has been previously graded.

Assumptions: This would only be needed if future monitoring shows run-off does not meet standards. There may be less rigorous and less expensive alternative solutions. If implemented, a CQA report documenting the activities and CQA observations and testing will be prepared. Activities include, limited site preparation, cover materials (closure turf assumed) and anchor trenches.

| Equipment (operated) and Labor   | Rate (\$) | Unit | Qty | Ext.    | Materials                     | Rate (\$) | Unit | Qty  | Ext. | Subcontractors                 | Rate (\$) | Unit   | Qty    | Ext.    | Comment                                |
|----------------------------------|-----------|------|-----|---------|-------------------------------|-----------|------|------|------|--------------------------------|-----------|--------|--------|---------|--|
| 10 - Wheeler Dump                | 120       | hr   | 150 | 18,000  | Soils from East Borrow Source | 0         | ton  | 1000 | 0    | Geotechnical testing           | 1200      | day    | 2      | 2,400   | Assume limited testing needed at crest |
| 980 Loader                       | 167       | hr   | 50  | 8,350   | Gravel                        | 25        | ton  |      | 0    | Analytical Testing             | 150       | sample | 0      | 0       |  |
| 200 Series Excavator             | 192       | hr   | 100 | 19,200  | Rip Rap                       | 30        | ton  |      | 0    | Vacuum Truck                   | 215       | hr     |        | 0       |  |
| Water Truck                      | 108       | hr   | 50  | 5,400   |                               |           |      |      | 0    | Geosynthetic (closure turf)    | 3.5       | sf     | 127500 | 446,250 | Unit cost from discussions with vendor |
| D9 Dozer                         | 234       | hr   |     | 0       |                               |           |      |      | 0    | Piping                         |           | ls     |        | 0       |  |
| D6 Dozer                         | 134       | hr   |     | 0       |                               |           |      |      | 0    | Concrete                       | 10000     | ls     | 1      | 10,000  | Assume limited concrete work needed    |
| Pick-up Truck                    | 15        | hr   | 270 | 4,050   |                               |           |      |      | 0    | Surveyor                       | 200       | hr     | 40     | 8,000   | Record Surveys                         |
| 40-ton Haul Truck                | 196       | hr   |     | 0       |                               |           |      |      | 0    |                                |           |        |        | 0       |  |
| Operator                         | 67        | hr   |     | 0       |                               |           |      |      | 0    |                                |           |        |        | 0       |  |
| Laborer                          | 49        | hr   | 0   | 0       |                               |           |      |      | 0    |                                |           |        |        | 0       |  |
| Principal                        | 203       | hr   |     | 0       |                               |           |      |      | 0    |                                |           |        |        | 0       |  |
| Senior CM                        | 139       | hr   |     | 0       |                               |           |      |      | 0    |                                |           |        |        | 0       |  |
| CQA Manager                      | 155       | hr   | 80  | 12,400  |                               |           |      |      | 0    |                                |           |        |        | 0       |  |
| CQA Technician                   | 97        | hr   | 180 | 17,460  |                               |           |      |      | 0    |                                |           |        |        | 0       |  |
| Safety Officer                   | 110       | hr   |     | 0       |                               |           |      |      | 0    |                                |           |        |        | 0       |  |
| 815 Compactor                    | 192       | hr   |     | 0       |                               |           |      |      | 0    |                                |           |        |        | 0       |  |
|                                  |           |      |     | 0       |                               |           |      |      | 0    |                                |           |        |        | 0       |  |
| Mobilization                     | 1500      | ea   | 3   | 4,500   |                               |           |      |      | 0    |                                |           |        |        | 0       |  |
| Demobilization                   | 1500      | ea   | 3   | 4,500   |                               |           |      |      | 0    |                                |           |        |        | 0       |  |
| Per Diem (8 hour days)           | 136       | day  | 110 | 14,960  |                               |           |      |      | 0    |                                |           |        |        | 0       |  |
| Expenses                         |           | ls   | 1   | 0       | Other                         |           | ls   | 1    | 0    |                                |           |        |        | 0       |  |
| Total Labor and Equipment        |           |      |     | 108,820 | Total Materials               |           |      |      | 0    | Total Subcontractors           |           |        |        | 466,650 |  |
| Contingency at 25%               |           |      |     | 27,205  | Mark-up at 6.5%               |           |      |      | 0    | Mark-up at 6.5%                |           |        |        | 30,332  |  |
| Total Labor and Equip. w/Mark-up |           |      |     | 136,025 | Total Materials w/Mark-up     |           |      |      | 0    | Total Subcontractors w/Mark-up |           |        |        | 496,982 |  |

Grand Total =====> 634,000

The estimate is for activities that will be required to maintain the plant and east property soil covers. Includes annual inspection (Feb.), storm event inspection (Sept.), repairs and regrading, testing and documentation.

Assumptions: This activity will be needed every four years. A report setion documenting the activities and CQA observations and testing will be prepared.

| Equipment (operated) and Labor   | Rate (\$) | Unit | Qty | Ext.    | Materials                     | Rate (\$) | Unit | Qty | Ext.  | Subcontractors                 | Rate (\$) | Unit   | Qty | Ext.   | Comment                 |  |
|----------------------------------|-----------|------|-----|---------|-------------------------------|-----------|------|-----|-------|--------------------------------|-----------|--------|-----|--------|-------------------------|--|
| 10 - Wheeler Dump                | 120       | hr   | 40  | 4,800   | Soils from East Borrow Source | 0         | ton  | 100 | 0     | Geotechnical testing           | 1200      | day    | 8   | 9,600  | Testing of repair areas |  |
| 980 Loader                       | 167       | hr   | 160 | 26,720  | Gravel                        | 25        | ton  | 100 | 2,500 | Analytical Testing             | 150       | sample |     | 0      |                         |  |
| 200 Series Excavator             | 192       | hr   | 160 | 30,720  | Rip Rap                       | 30        | ton  | 10  | 300   | Vacuum Truck                   | 215       | hr     |     | 0      |                         |  |
| Water Truck                      | 108       | hr   |     | 0       |                               |           |      |     | 0     | Geosynthetic                   |           | ls     |     | 0      |                         |  |
| D9 Dozer                         | 234       | hr   |     | 0       |                               |           |      |     | 0     | Piping                         |           | ls     |     | 0      |                         |  |
| D6 Dozer                         | 134       | hr   |     | 0       |                               |           |      |     | 0     | Concrete                       |           | ls     |     | 0      |                         |  |
| Pick-up Truck                    | 15        | hr   | 160 | 2,400   |                               |           |      |     | 0     | Surveyor                       | 200       | hr     |     | 0      |                         |  |
| 40-ton Haul Truck                | 196       | hr   |     | 0       |                               |           |      |     | 0     |                                |           |        |     | 0      |                         |  |
| Operator                         | 67        | hr   |     | 0       |                               |           |      |     | 0     |                                |           |        |     | 0      |                         |  |
| Laborer                          | 49        | hr   | 160 | 7,840   |                               |           |      |     | 0     |                                |           |        |     | 0      |                         |  |
| Principal                        | 203       | hr   | 24  | 4,872   |                               |           |      |     | 0     |                                |           |        |     | 0      |                         |  |
| Senior CM                        | 139       | hr   |     | 0       |                               |           |      |     | 0     |                                |           |        |     | 0      |                         |  |
| CQA Manager                      | 155       | hr   | 100 | 15,500  |                               |           |      |     | 0     |                                |           |        |     | 0      |                         |  |
| CQA Technician                   | 97        | hr   | 200 | 19,400  |                               |           |      |     | 0     |                                |           |        |     | 0      |                         |  |
| Safety Officer                   | 110       | hr   | 20  | 2,200   |                               |           |      |     | 0     |                                |           |        |     | 0      |                         |  |
| 815 Compactor                    | 192       | hr   |     | 0       |                               |           |      |     | 0     |                                |           |        |     | 0      |                         |  |
|                                  |           |      |     | 0       |                               |           |      |     | 0     |                                |           |        |     | 0      |                         |  |
| Mobilization                     | 1500      | ea   | 4   | 6,000   |                               |           |      |     | 0     |                                |           |        |     | 0      |                         |  |
| Demobilization                   | 1500      | ea   | 4   | 6,000   |                               |           |      |     | 0     |                                |           |        |     | 0      |                         |  |
| Per Diem (8 hour days)           | 136       | day  | 0   | 0       |                               |           |      |     | 0     |                                |           |        |     | 0      |                         |  |
| Expenses                         | 2000      | ls   | 1   | 2,000   | Other                         |           | ls   | 1   | 0     |                                |           |        |     | 0      |                         |  |
| Total Labor and Equipment        |           |      |     | 128,452 | Total Materials               |           |      |     | 2,800 | Total Subcontractors           |           |        |     | 9,600  |                         |  |
| Contingency at 5%                |           |      |     | 6,423   | Mark-up at 6.5%               |           |      |     | 182   | Mark-up at 6.5%                |           |        |     | 624    |                         |  |
| Total Labor and Equip. w/Mark-up |           |      |     | 134,875 | Total Materials w/Mark-up     |           |      |     | 2,982 | Total Subcontractors w/Mark-up |           |        |     | 10,224 |                         |  |
| Grand Total =====>               |           |      |     | 149,000 |                               |           |      |     |       |                                |           |        |     |        |                         |  |



The estimate is for activities that will be required to maintain the plant and east property soil covers. Includes annual inspection (Feb.), storm event inspection (Sept.).

Assumptions: This activity will be needed every year. A report setion documenting the activities and CQA observations and testing will be prepared.

| Equipment (operated) and Labor   | Rate (\$) | Unit | Qty | Ext.   | Materials                     | Rate (\$) | Unit | Qty | Ext. | Subcontractors                 | Rate (\$) | Unit   | Qty | Ext. | Comment |  |
|----------------------------------|-----------|------|-----|--------|-------------------------------|-----------|------|-----|------|--------------------------------|-----------|--------|-----|------|---------|--|
| 10 - Wheeler Dump                | 120       | hr   |     | 0      | Soils from East Borrow Source | 0         | ton  | 0   | 0    | Geotechnical testing           | 1200      | day    |     | 0    |         |  |
| 980 Loader                       | 167       | hr   |     | 0      | Gravel                        | 25        | ton  | 0   | 0    | Analytical Testing             | 150       | sample |     | 0    |         |  |
| 200 Series Excavator             | 192       | hr   |     | 0      | Rip Rap                       | 30        | ton  | 0   | 0    | Vacuum Truck                   | 215       | hr     |     | 0    |         |  |
| Water Truck                      | 108       | hr   |     | 0      |                               |           |      |     | 0    | Geosynthetic                   |           | ls     |     | 0    |         |  |
| D9 Dozer                         | 234       | hr   |     | 0      |                               |           |      |     | 0    | Piping                         |           | ls     |     | 0    |         |  |
| D6 Dozer                         | 134       | hr   |     | 0      |                               |           |      |     | 0    | Concrete                       |           | ls     |     | 0    |         |  |
| Pick-up Truck                    | 15        | hr   | 48  | 720    |                               |           |      |     | 0    | Surveyor                       | 200       | hr     |     | 0    |         |  |
| 40-ton Haul Truck                | 196       | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |     | 0    |         |  |
| Operator                         | 67        | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |     | 0    |         |  |
| Laborer                          | 49        | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |     | 0    |         |  |
| Principal                        | 203       | hr   | 12  | 2,436  |                               |           |      |     | 0    |                                |           |        |     | 0    |         |  |
| Senior CM                        | 139       | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |     | 0    |         |  |
| CQA Manager                      | 155       | hr   | 60  | 9,300  |                               |           |      |     | 0    |                                |           |        |     | 0    |         |  |
| CQA Technician                   | 97        | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |     | 0    |         |  |
| Safety Officer                   | 110       | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |     | 0    |         |  |
| 815 Compactor                    | 192       | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |     | 0    |         |  |
|                                  |           |      |     | 0      |                               |           |      |     | 0    |                                |           |        |     | 0    |         |  |
| Mobilization                     | 1500      | ea   | 0   | 0      |                               |           |      |     | 0    |                                |           |        |     | 0    |         |  |
| Demobilization                   | 1500      | ea   | 0   | 0      |                               |           |      |     | 0    |                                |           |        |     | 0    |         |  |
| Per Diem (8 hour days)           | 136       | day  | 0   | 0      |                               |           |      |     | 0    |                                |           |        |     | 0    |         |  |
| Expenses                         | 200       | ls   | 1   | 200    | Other                         |           | ls   | 1   | 0    |                                |           |        |     | 0    |         |  |
| Total Labor and Equipment        |           |      |     | 12,656 | Total Materials               |           |      |     | 0    | Total Subcontractors           |           |        |     | 0    |         |  |
| Contingency at 5%                |           |      |     | 633    | Mark-up at 6.5%               |           |      |     | 0    | Mark-up at 6.5%                |           |        |     | 0    |         |  |
| Total Labor and Equip. w/Mark-up |           |      |     | 13,289 | Total Materials w/Mark-up     |           |      |     | 0    | Total Subcontractors w/Mark-up |           |        |     | 0    |         |  |
| Grand Total =====>               |           |      |     | 14,000 |                               |           |      |     |      |                                |           |        |     |      |         |  |

The estimate is for activities that will be required to maintain the plant asphalt covers. Includes annual inspection (Feb.), repairs, testing and documentation.

Assumptions: This activity will be needed every four years. A report setion documenting the activities and CQA observations and testing will be prepared.

| Equipment (operated) and Labor   | Rate (\$) | Unit | Qty | Ext.   | Materials                     | Rate (\$) | Unit | Qty | Ext. | Subcontractors                 | Rate (\$) | Unit   | Qty   | Ext.   | Comment                                    |
|----------------------------------|-----------|------|-----|--------|-------------------------------|-----------|------|-----|------|--------------------------------|-----------|--------|-------|--------|--|
| 10 - Wheeler Dump                | 120       | hr   |     | 0      | Soils from East Borrow Source | 0         | ton  | 0   | 0    | Geotechnical testing           | 1200      | day    | 3     | 3,600  | Testing of repair areas                    |
| 980 Loader                       | 167       | hr   |     | 0      | Gravel                        | 25        | ton  | 0   | 0    | Analytical Testing             | 150       | sample |       | 0      |  |
| 200 Series Excavator             | 192       | hr   |     | 0      | Rip Rap                       | 30        | ton  | 0   | 0    | Vacuum Truck                   | 215       | hr     |       | 0      |  |
| Water Truck                      | 108       | hr   |     | 0      |                               |           |      |     | 0    | Geosynthetic                   |           | ls     |       | 0      |  |
| D9 Dozer                         | 234       | hr   |     | 0      |                               |           |      |     | 0    | Piping                         |           | ls     |       | 0      |  |
| D6 Dozer                         | 134       | hr   |     | 0      |                               |           |      |     | 0    | Concrete                       |           | ls     |       | 0      |  |
| Pick-up Truck                    | 15        | hr   | 40  | 600    |                               |           |      |     | 0    | Surveyor                       | 200       | hr     |       | 0      |  |
| 40-ton Haul Truck                | 196       | hr   |     | 0      |                               |           |      |     | 0    | Asphalt                        | 1         | ls     | 18000 | 18,000 | Assume 5000 sf @ 2.00 plus \$8,000 crack r |
| Operator                         | 67        | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |       | 0      |  |
| Laborer                          | 49        | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |       | 0      |  |
| Principal                        | 203       | hr   | 8   | 1,624  |                               |           |      |     | 0    |                                |           |        |       | 0      |  |
| Senior CM                        | 139       | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |       | 0      |  |
| CQA Manager                      | 155       | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |       | 0      |  |
| CQA Technician                   | 97        | hr   | 55  | 5,335  |                               |           |      |     | 0    |                                |           |        |       | 0      |  |
| Safety Officer                   | 110       | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |       | 0      |  |
| 815 Compactor                    | 192       | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |       | 0      |  |
|                                  |           |      |     | 0      |                               |           |      |     | 0    |                                |           |        |       | 0      |  |
| Mobilization                     | 1500      | ea   |     | 0      |                               |           |      |     | 0    |                                |           |        |       | 0      |  |
| Demobilization                   | 1500      | ea   |     | 0      |                               |           |      |     | 0    |                                |           |        |       | 0      |  |
| Per Diem (8 hour days)           | 136       | day  | 0   | 0      |                               |           |      |     | 0    |                                |           |        |       | 0      |  |
| Expenses                         | 0         | ls   | 1   | 0      | Other                         |           | ls   | 1   | 0    |                                |           |        |       | 0      |  |
| Total Labor and Equipment        |           |      |     | 7,559  | Total Materials               |           |      |     | 0    | Total Subcontractors           |           |        |       | 21,600 |  |
| Contingency at 5%                |           |      |     | 378    | Mark-up at 6.5%               |           |      |     | 0    | Mark-up at 6.5%                |           |        |       | 1,404  |  |
| Total Labor and Equip. w/Mark-up |           |      |     | 7,937  | Total Materials w/Mark-up     |           |      |     | 0    | Total Subcontractors w/Mark-up |           |        |       | 23,004 |  |
| Grand Total =====>               |           |      |     | 31,000 |                               |           |      |     |      |                                |           |        |       |        |  |

The estimate is for annual inspection activities needed to evaluate the condition of asphalt. Includes annual inspection (Feb.) and documentation.

Assumptions: This activity will be needed every year. A report setion documenting the activities and CQA observations and testing will be prepared.

| Equipment (operated) and Labor   | Rate (\$) | Unit | Qty | Ext.  | Materials                     | Rate (\$) | Unit | Qty | Ext. | Subcontractors                 | Rate (\$) | Unit   | Qty | Ext. | Comment |  |
|----------------------------------|-----------|------|-----|-------|-------------------------------|-----------|------|-----|------|--------------------------------|-----------|--------|-----|------|---------|--|
| 10 - Wheeler Dump                | 120       | hr   |     | 0     | Soils from East Borrow Source | 0         | ton  | 0   | 0    | Geotechnical testing           | 1200      | day    |     | 0    |         |  |
| 980 Loader                       | 167       | hr   |     | 0     | Gravel                        | 25        | ton  | 0   | 0    | Analytical Testing             | 150       | sample |     | 0    |         |  |
| 200 Series Excavator             | 192       | hr   |     | 0     | Rip Rap                       | 30        | ton  | 0   | 0    | Vacuum Truck                   | 215       | hr     |     | 0    |         |  |
| Water Truck                      | 108       | hr   |     | 0     |                               |           |      |     | 0    | Geosynthetic                   |           | ls     |     | 0    |         |  |
| D9 Dozer                         | 234       | hr   |     | 0     |                               |           |      |     | 0    | Piping                         |           | ls     |     | 0    |         |  |
| D6 Dozer                         | 134       | hr   |     | 0     |                               |           |      |     | 0    | Concrete                       |           | ls     |     | 0    |         |  |
| Pick-up Truck                    | 15        | hr   | 16  | 240   |                               |           |      |     | 0    | Surveyor                       | 200       | hr     |     | 0    |         |  |
| 40-ton Haul Truck                | 196       | hr   |     | 0     |                               |           |      |     | 0    | Asphalt                        | 1         | ls     | 0   | 0    |         |  |
| Operator                         | 67        | hr   |     | 0     |                               |           |      |     | 0    |                                |           |        |     | 0    |         |  |
| Laborer                          | 49        | hr   |     | 0     |                               |           |      |     | 0    |                                |           |        |     | 0    |         |  |
| Principal                        | 203       | hr   | 3   | 609   |                               |           |      |     | 0    |                                |           |        |     | 0    |         |  |
| Senior CM                        | 139       | hr   |     | 0     |                               |           |      |     | 0    |                                |           |        |     | 0    |         |  |
| CQA Manager                      | 155       | hr   | 20  | 3,100 |                               |           |      |     | 0    |                                |           |        |     | 0    |         |  |
| CQA Technician                   | 97        | hr   |     | 0     |                               |           |      |     | 0    |                                |           |        |     | 0    |         |  |
| Safety Officer                   | 110       | hr   |     | 0     |                               |           |      |     | 0    |                                |           |        |     | 0    |         |  |
| 815 Compactor                    | 192       | hr   |     | 0     |                               |           |      |     | 0    |                                |           |        |     | 0    |         |  |
|                                  |           |      |     | 0     |                               |           |      |     | 0    |                                |           |        |     | 0    |         |  |
| Mobilization                     | 1500      | ea   |     | 0     |                               |           |      |     | 0    |                                |           |        |     | 0    |         |  |
| Demobilization                   | 1500      | ea   |     | 0     |                               |           |      |     | 0    |                                |           |        |     | 0    |         |  |
| Per Diem (8 hour days)           | 136       | day  | 0   | 0     |                               |           |      |     | 0    |                                |           |        |     | 0    |         |  |
| Expenses                         | 0         | ls   | 1   | 0     | Other                         |           | ls   | 1   | 0    |                                |           |        |     | 0    |         |  |
| Total Labor and Equipment        |           |      |     | 3,949 | Total Materials               |           |      |     | 0    | Total Subcontractors           |           |        |     | 0    |         |  |
| Contingency at 5%                |           |      |     | 197   | Mark-up at 6.5%               |           |      |     | 0    | Mark-up at 6.5%                |           |        |     | 0    |         |  |
| Total Labor and Equip. w/Mark-up |           |      |     | 4,146 | Total Materials w/Mark-up     |           |      |     | 0    | Total Subcontractors w/Mark-up |           |        |     | 0    |         |  |
| Grand Total =====>               |           |      |     | 5,000 |                               |           |      |     |      |                                |           |        |     |      |         |  |

The estimate is for activities that will be required to maintain Cells 1-4 cover systems. Includes annual inspection (Feb.), repairs, testing and documentation.

Assumptions: This activity will be needed every year. A report setion documenting the activities and CQA observations and testing will be prepared.

| Equipment (operated) and Labor   | Rate (\$) | Unit | Qty | Ext.   | Materials                     | Rate (\$) | Unit | Qty | Ext. | Subcontractors                 | Rate (\$) | Unit   | Qty  | Ext.  | Comment |  |
|----------------------------------|-----------|------|-----|--------|-------------------------------|-----------|------|-----|------|--------------------------------|-----------|--------|------|-------|---------|--|
| 10 - Wheeler Dump                | 120       | hr   | 24  | 2,880  | Soils from East Borrow Source | 100       | ton  | 0   | 0    | Geotechnical testing           | 1200      | day    |      | 0     |         |  |
| 980 Loader                       | 167       | hr   | 24  | 4,008  | Gravel                        | 25        | ton  | 0   | 0    | Analytical Testing             | 150       | sample |      | 0     |         |  |
| 200 Series Excavator             | 192       | hr   |     | 0      | Rip Rap                       | 30        | ton  | 0   | 0    | Vacuum Truck                   | 215       | hr     |      | 0     |         |  |
| Water Truck                      | 108       | hr   | 24  | 2,592  |                               |           |      |     | 0    | Geosynthetic                   |           | ls     |      | 0     |         |  |
| D9 Dozer                         | 234       | hr   |     | 0      |                               |           |      |     | 0    | Piping                         |           | ls     |      | 0     |         |  |
| D6 Dozer                         | 134       | hr   | 24  | 3,216  |                               |           |      |     | 0    | Concrete                       |           | ls     |      | 0     |         |  |
| Pick-up Truck                    | 15        | hr   | 50  | 750    |                               |           |      |     | 0    | Surveyor                       | 200       | hr     |      | 0     |         |  |
| 40-ton Haul Truck                | 196       | hr   |     | 0      |                               |           |      |     | 0    | Asphalt                        | 1         | ls     |      | 0     |         |  |
| Operator                         | 67        | hr   |     | 0      |                               |           |      |     | 0    | Seeding                        | 1         | ls     | 3000 | 3,000 |         |  |
| Laborer                          | 49        | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |      | 0     |         |  |
| Principal                        | 203       | hr   | 8   | 1,624  |                               |           |      |     | 0    |                                |           |        |      | 0     |         |  |
| Senior CM                        | 139       | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |      | 0     |         |  |
| CQA Manager                      | 155       | hr   | 16  | 2,480  |                               |           |      |     | 0    |                                |           |        |      | 0     |         |  |
| CQA Technician                   | 97        | hr   | 40  | 3,880  |                               |           |      |     | 0    |                                |           |        |      | 0     |         |  |
| Safety Officer                   | 110       | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |      | 0     |         |  |
| 815 Compactor                    | 192       | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |      | 0     |         |  |
|                                  |           |      |     | 0      |                               |           |      |     | 0    |                                |           |        |      | 0     |         |  |
| Mobilization                     | 1500      | ea   | 3   | 4,500  |                               |           |      |     | 0    |                                |           |        |      | 0     |         |  |
| Demobilization                   | 1500      | ea   | 3   | 4,500  |                               |           |      |     | 0    |                                |           |        |      | 0     |         |  |
| Per Diem (8 hour days)           | 136       | day  | 0   | 0      |                               |           |      |     | 0    |                                |           |        |      | 0     |         |  |
| Expenses                         | 300       | ls   | 1   | 300    | Other                         |           | ls   | 1   | 0    |                                |           |        |      | 0     |         |  |
| Total Labor and Equipment        |           |      |     | 30,730 | Total Materials               |           |      |     | 0    | Total Subcontractors           |           |        |      | 3,000 |         |  |
| Contingency at 5%                |           |      |     | 1,537  | Mark-up at 6.5%               |           |      |     | 0    | Mark-up at 6.5%                |           |        |      | 195   |         |  |
| Total Labor and Equip. w/Mark-up |           |      |     | 32,267 | Total Materials w/Mark-up     |           |      |     | 0    | Total Subcontractors w/Mark-up |           |        |      | 3,195 |         |  |
| Grand Total =====>               |           |      |     | 36,000 |                               |           |      |     |      |                                |           |        |      |       |         |  |

The estimate is for activities that will be required to maintain Site drainage structures. Includes annual inspection (Feb.), storm inspections (Sept.), repairs and documentation.

Assumptions: This activity will be needed every four years. A report setion documenting the activities and CQA observations and testing will be prepared.

| Equipment (operated) and Labor   | Rate (\$) | Unit | Qty | Ext.   | Materials                     | Rate (\$) | Unit | Qty | Ext.  | Subcontractors                 | Rate (\$) | Unit   | Qty | Ext. | Comment |  |
|----------------------------------|-----------|------|-----|--------|-------------------------------|-----------|------|-----|-------|--------------------------------|-----------|--------|-----|------|---------|--|
| 10 - Wheeler Dump                | 120       | hr   |     | 0      | Soils from East Borrow Source | 100       | ton  | 0   | 0     | Geotechnical testing           | 1200      | day    | 0   | 0    |         |  |
| 980 Loader                       | 167       | hr   | 40  | 6,680  | Gravel                        | 25        | ton  | 200 | 5,000 | Analytical Testing             | 150       | sample |     | 0    |         |  |
| 200 Series Excavator             | 192       | hr   |     | 0      | Rip Rap                       | 30        | ton  | 100 | 3,000 | Vacuum Truck                   | 215       | hr     |     | 0    |         |  |
| Water Truck                      | 108       | hr   |     | 0      |                               |           |      |     | 0     | Geosynthetic                   |           | ls     |     | 0    |         |  |
| D9 Dozer                         | 234       | hr   |     | 0      |                               |           |      |     | 0     | Piping                         |           | ls     |     | 0    |         |  |
| D6 Dozer                         | 134       | hr   |     | 0      |                               |           |      |     | 0     | Concrete                       |           | ls     |     | 0    |         |  |
| Pick-up Truck                    | 15        | hr   | 40  | 600    |                               |           |      |     | 0     | Surveyor                       | 200       | hr     |     | 0    |         |  |
| 40-ton Haul Truck                | 196       | hr   |     | 0      |                               |           |      |     | 0     | Asphalt                        | 1         | ls     |     | 0    |         |  |
| Operator                         | 67        | hr   |     | 0      |                               |           |      |     | 0     | Seeding                        | 1         | ls     | 0   | 0    |         |  |
| Laborer                          | 49        | hr   |     | 0      |                               |           |      |     | 0     |                                |           |        |     | 0    |         |  |
| Principal                        | 203       | hr   | 8   | 1,624  |                               |           |      |     | 0     |                                |           |        |     | 0    |         |  |
| Senior CM                        | 139       | hr   |     | 0      |                               |           |      |     | 0     |                                |           |        |     | 0    |         |  |
| CQA Manager                      | 155       | hr   | 24  | 3,720  |                               |           |      |     | 0     |                                |           |        |     | 0    |         |  |
| CQA Technician                   | 97        | hr   | 50  | 4,850  |                               |           |      |     | 0     |                                |           |        |     | 0    |         |  |
| Safety Officer                   | 110       | hr   |     | 0      |                               |           |      |     | 0     |                                |           |        |     | 0    |         |  |
| 815 Compactor                    | 192       | hr   |     | 0      |                               |           |      |     | 0     |                                |           |        |     | 0    |         |  |
|                                  |           |      |     | 0      |                               |           |      |     | 0     |                                |           |        |     | 0    |         |  |
| Mobilization                     | 1500      | ea   | 1   | 1,500  |                               |           |      |     | 0     |                                |           |        |     | 0    |         |  |
| Demobilization                   | 1500      | ea   | 1   | 1,500  |                               |           |      |     | 0     |                                |           |        |     | 0    |         |  |
| Per Diem (8 hour days)           | 136       | day  | 0   | 0      |                               |           |      |     | 0     |                                |           |        |     | 0    |         |  |
| Expenses                         | 500       | ls   | 1   | 500    | Other                         |           | ls   | 1   | 0     |                                |           |        |     | 0    |         |  |
| Total Labor and Equipment        |           |      |     | 20,974 | Total Materials               |           |      |     | 8,000 | Total Subcontractors           |           |        |     | 0    |         |  |
| Contingency at 5%                |           |      |     | 1,049  | Mark-up at 6.5%               |           |      |     | 520   | Mark-up at 6.5%                |           |        |     | 0    |         |  |
| Total Labor and Equip. w/Mark-up |           |      |     | 22,023 | Total Materials w/Mark-up     |           |      |     | 8,520 | Total Subcontractors w/Mark-up |           |        |     | 0    |         |  |
| Grand Total =====>               |           |      |     | 31,000 |                               |           |      |     |       |                                |           |        |     |      |         |  |

The estimate is for activities that will be required annually to clean out accumulated soils from behind gabion structures on east mountain and BMPs in Smelertown. Soils will be disposed in Cell 4.

Assumptions: This activity will be needed annually and be similar to TCT effort expended in 2015 with the addition of the Smelertown BMPs. A short letter report documenting the activities and CQA observations and testing will be prepared.

| Equipment (operated) and Labor   | Rate (\$) | Unit | Qty | Ext.   | Materials                     | Rate (\$) | Unit | Qty | Ext. | Subcontractors                 | Rate (\$) | Unit   | Qty | Ext.   | Comment                         |
|----------------------------------|-----------|------|-----|--------|-------------------------------|-----------|------|-----|------|--------------------------------|-----------|--------|-----|--------|---------------------------------|
| 10 - Wheeler Dump                | 120       | hr   |     | 0      | Soils from East Borrow Source | 0         | ton  |     | 0    | Geotechnical testing           | 1200      | day    | 0   | 0      |                                 |
| 980 Loader                       | 167       | hr   | 4   | 668    | Gravel                        | 25        | ton  |     | 0    | Analytical Testing             | 150       | sample | 8   | 1,200  | Assume for soils char.          |
| 200 Series Excavator             | 192       | hr   |     | 0      | Rip Rap                       | 30        | ton  |     | 0    | Vacuum Truck                   | 215       | hr     | 100 | 21,500 | Rate based on 2015 EM Clean-out |
| Water Truck                      | 108       | hr   |     | 0      |                               |           |      |     | 0    | Geosynthetic                   |           | ls     | 0   | 0      |                                 |
| D9 Dozer                         | 234       | hr   |     | 0      |                               |           |      |     | 0    | Piping                         |           | ls     | 0   | 0      |                                 |
| D6 Dozer                         | 134       | hr   |     | 0      |                               |           |      |     | 0    | Concrete                       |           | ls     | 0   | 0      |                                 |
| Pick-up Truck                    | 15        | hr   | 80  | 1,200  |                               |           |      |     | 0    | Surveyor                       | 200       | hr     | 0   | 0      |                                 |
| 40-ton Haul Truck                | 196       | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |     | 0      |                                 |
| Operator                         | 67        | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |     | 0      |                                 |
| Laborer                          | 49        | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |     | 0      |                                 |
| Principal                        | 203       | hr   | 4   | 812    |                               |           |      |     | 0    |                                |           |        |     | 0      |                                 |
| Senior CM                        | 139       | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |     | 0      |                                 |
| CQA Manager                      | 155       | hr   | 16  | 2,480  |                               |           |      |     | 0    |                                |           |        |     | 0      |                                 |
| CQA Technician                   | 97        | hr   | 80  | 7,760  |                               |           |      |     | 0    |                                |           |        |     | 0      |                                 |
| Safety Officer                   | 110       | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |     | 0      |                                 |
| 815 Compactor                    | 192       | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |     | 0      |                                 |
|                                  |           |      |     | 0      |                               |           |      |     | 0    |                                |           |        |     | 0      |                                 |
| Mobilization                     | 1500      | ea   |     | 0      |                               |           |      |     | 0    |                                |           |        |     | 0      |                                 |
| Demobilization                   | 1500      | ea   |     | 0      |                               |           |      |     | 0    |                                |           |        |     | 0      |                                 |
| Per Diem (8 hour days)           | 136       | day  | 0   | 0      |                               |           |      |     | 0    |                                |           |        |     | 0      |                                 |
| Expenses                         | 100       | ls   | 1   | 100    | Other                         |           | ls   | 1   | 0    |                                |           |        |     | 0      |                                 |
| Total Labor and Equipment        |           |      |     | 13,020 | Total Materials               |           |      |     | 0    | Total Subcontractors           |           |        |     | 22,700 |                                 |
| Contingency at 5%                |           |      |     | 651    | Mark-up at 6.5%               |           |      |     | 0    | Mark-up at 6.5%                |           |        |     | 1,476  |                                 |
| Total Labor and Equip. w/Mark-up |           |      |     | 13,671 | Total Materials w/Mark-up     |           |      |     | 0    | Total Subcontractors w/Mark-up |           |        |     | 24,176 |                                 |
| Grand Total =====>               |           |      |     | 38,000 |                               |           |      |     |      |                                |           |        |     |        |                                 |

The estimate is for activities that will be required to maintain the surface erosion protection on the Paisano and PBA slope.

Assumptions: This activity will initially be needed annually for 3 years and then every other year. A short letter report documenting the activities and CQA observations will be prepared.

| Equipment (operated) and Labor   | Rate (\$) | Unit | Qty | Ext.    | Materials                     | Rate (\$) | Unit | Qty    | Ext.    | Subcontractors                 | Rate (\$) | Unit   | Qty | Ext. | Comment |  |
|----------------------------------|-----------|------|-----|---------|-------------------------------|-----------|------|--------|---------|--------------------------------|-----------|--------|-----|------|---------|--|
| 10 - Wheeler Dump                | 120       | hr   |     | 0       | Soils from East Borrow Source | 0         | ton  |        | 0       | Geotechnical testing           | 1200      | day    |     | 0    |         |  |
| 980 Loader                       | 167       | hr   |     | 0       | Gravel                        | 25        | ton  |        | 0       | Analytical Testing             | 150       | sample |     | 0    |         |  |
| 200 Series Excavator             | 192       | hr   |     | 0       | Rip Rap                       | 30        | ton  |        | 0       | Vacuum Truck                   | 215       | hr     |     | 0    |         |  |
| Water Truck                      | 108       | hr   | 100 | 10,800  | Top White Polymer Paisano N.  | 0.33      | sf   | 212500 | 70,125  | Geosynthetic                   |           | ls     |     | 0    |         |  |
| D9 Dozer                         | 234       | hr   |     | 0       | Top White Polymer Paisano S.  | 0.33      | sf   | 100000 | 33,000  | Piping                         |           | ls     |     | 0    |         |  |
| D6 Dozer                         | 134       | hr   |     | 0       | Top White Polymer PBA         | 0.33      | sf   | 127500 | 42,075  | Concrete                       |           | ls     |     | 0    |         |  |
| Pick-up Truck                    | 15        | hr   |     | 0       |                               |           |      |        | 0       | Surveyor                       | 200       | hr     |     | 0    |         |  |
| 40-ton Haul Truck                | 196       | hr   |     | 0       |                               |           |      |        | 0       |                                |           |        |     | 0    |         |  |
| Operator                         | 67        | hr   |     | 0       |                               |           |      |        | 0       |                                |           |        |     | 0    |         |  |
| Laborer                          | 49        | hr   |     | 0       |                               |           |      |        | 0       |                                |           |        |     | 0    |         |  |
| Principal                        | 203       | hr   |     | 0       |                               |           |      |        | 0       |                                |           |        |     | 0    |         |  |
| Senior CM                        | 139       | hr   |     | 0       |                               |           |      |        | 0       |                                |           |        |     | 0    |         |  |
| CQA Manager                      | 155       | hr   | 8   | 1,240   |                               |           |      |        | 0       |                                |           |        |     | 0    |         |  |
| CQA Technician                   | 97        | hr   | 100 | 9,700   |                               |           |      |        | 0       |                                |           |        |     | 0    |         |  |
| Safety Officer                   | 110       | hr   |     | 0       |                               |           |      |        | 0       |                                |           |        |     | 0    |         |  |
| 815 Compactor                    | 192       | hr   |     | 0       |                               |           |      |        | 0       |                                |           |        |     | 0    |         |  |
|                                  |           |      |     | 0       |                               |           |      |        | 0       |                                |           |        |     | 0    |         |  |
| Mobilization                     | 1500      | ea   |     | 0       |                               |           |      |        | 0       |                                |           |        |     | 0    |         |  |
| Demobilization                   | 1500      | ea   |     | 0       |                               |           |      |        | 0       |                                |           |        |     | 0    |         |  |
| Per Diem (8 hour days)           | 136       | day  | 0   | 0       |                               |           |      |        | 0       |                                |           |        |     | 0    |         |  |
| Expenses                         | 100       | ls   | 1   | 100     | Other                         |           | ls   | 1      | 0       |                                |           |        |     | 0    |         |  |
| Total Labor and Equipment        |           |      |     | 21,840  | Total Materials               |           |      |        | 145,200 | Total Subcontractors           |           |        |     | 0    |         |  |
| Contingency at 5%                |           |      |     | 1,092   | Mark-up at 6.5%               |           |      |        | 9,438   | Mark-up at 6.5%                |           |        |     | 0    |         |  |
| Total Labor and Equip. w/Mark-up |           |      |     | 22,932  | Total Materials w/Mark-up     |           |      |        | 154,638 | Total Subcontractors w/Mark-up |           |        |     | 0    |         |  |
| Grand Total =====>               |           |      |     | 178,000 |                               |           |      |        |         |                                |           |        |     |      |         |  |

The estimate is for activities that will be required to maintain the surface erosion protection on the Paisano and PBA slope.

Assumptions: This activity will initially be needed annually for 3 years and then every other year. A short letter report documenting the activities and CQA observations will be prepared.

| Equipment (operated) and Labor   | Rate (\$) | Unit | Qty | Ext.   | Materials                     | Rate (\$) | Unit | Qty | Ext. | Subcontractors                 | Rate (\$) | Unit   | Qty   | Ext.   | Comment                            |  |
|----------------------------------|-----------|------|-----|--------|-------------------------------|-----------|------|-----|------|--------------------------------|-----------|--------|-------|--------|------------------------------------|--|
| 10 - Wheeler Dump                | 120       | hr   |     | 0      | Soils from East Borrow Source | 0         | ton  |     | 0    | Geotechnical testing           | 1200      | day    |       | 0      |                                    |  |
| 980 Loader                       | 167       | hr   |     | 0      | Gravel                        | 25        | ton  |     | 0    | Analytical Testing             | 150       | sample |       | 0      |                                    |  |
| 200 Series Excavator             | 192       | hr   |     | 0      | Rip Rap                       | 30        | ton  |     | 0    | Vacuum Truck                   | 215       | hr     |       | 0      |                                    |  |
| Water Truck                      | 108       | hr   |     | 0      | Top White Polymer Paisano N.  | 0.33      | sf   |     | 0    | Geosynthetic                   | 1         | ls     | 20000 | 20,000 | Assume geosynthetic repairs needed |  |
| D9 Dozer                         | 234       | hr   |     | 0      | Top White Polymer Paisano S.  | 0.33      | sf   |     | 0    | Piping                         |           | ls     |       | 0      |                                    |  |
| D6 Dozer                         | 134       | hr   |     | 0      | Top White Polymer PBA         | 0.33      | sf   |     | 0    | Concrete                       |           | ls     |       | 0      |                                    |  |
| Pick-up Truck                    | 15        | hr   |     | 0      |                               |           |      |     | 0    | Surveyor                       | 200       | hr     |       | 0      |                                    |  |
| 40-ton Haul Truck                | 196       | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |       | 0      |                                    |  |
| Operator                         | 67        | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |       | 0      |                                    |  |
| Laborer                          | 49        | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |       | 0      |                                    |  |
| Principal                        | 203       | hr   | 8   | 1,624  |                               |           |      |     | 0    |                                |           |        |       | 0      |                                    |  |
| Senior CM                        | 139       | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |       | 0      |                                    |  |
| CQA Manager                      | 155       | hr   | 24  | 3,720  |                               |           |      |     | 0    |                                |           |        |       | 0      |                                    |  |
| CQA Technician                   | 97        | hr   | 60  | 5,820  |                               |           |      |     | 0    |                                |           |        |       | 0      |                                    |  |
| Safety Officer                   | 110       | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |       | 0      |                                    |  |
| 815 Compactor                    | 192       | hr   |     | 0      |                               |           |      |     | 0    |                                |           |        |       | 0      |                                    |  |
|                                  |           |      |     | 0      |                               |           |      |     | 0    |                                |           |        |       | 0      |                                    |  |
| Mobilization                     | 1500      | ea   |     | 0      |                               |           |      |     | 0    |                                |           |        |       | 0      |                                    |  |
| Demobilization                   | 1500      | ea   |     | 0      |                               |           |      |     | 0    |                                |           |        |       | 0      |                                    |  |
| Per Diem (8 hour days)           | 136       | day  | 0   | 0      |                               |           |      |     | 0    |                                |           |        |       | 0      |                                    |  |
| Expenses                         | 100       | ls   | 1   | 100    | Other                         |           | ls   | 1   | 0    |                                |           |        |       | 0      |                                    |  |
| Total Labor and Equipment        |           |      |     | 11,264 | Total Materials               |           |      |     | 0    | Total Subcontractors           |           |        |       | 20,000 |                                    |  |
| Contingency at 5%                |           |      |     | 563    | Mark-up at 6.5%               |           |      |     | 0    | Mark-up at 6.5%                |           |        |       | 1,300  |                                    |  |
| Total Labor and Equip. w/Mark-up |           |      |     | 11,827 | Total Materials w/Mark-up     |           |      |     | 0    | Total Subcontractors w/Mark-up |           |        |       | 21,300 |                                    |  |
| Grand Total =====>               |           |      |     | 34,000 |                               |           |      |     |      |                                |           |        |       |        |                                    |  |



The estimate is for activities that will be required at the East Property Cat II area to prevent erosion.

Assumptions: Clay layer (slopes and top deck) will be installed in 2016. 2-feet of EBS silty sand will be installed in 2017 pursuant to the RAP. A short letter report documenting the activities and CQA observations and testing will be prepared.

| Equipment (operated) and Labor   | Rate (\$) | Unit | Qty    | Ext.    | Materials                     | Rate (\$) | Unit | Qty   | Ext.   | Subcontractors                 | Rate (\$) | Unit   | Qty | Ext.   | Comment                 |
|----------------------------------|-----------|------|--------|---------|-------------------------------|-----------|------|-------|--------|--------------------------------|-----------|--------|-----|--------|-------------------------|
| 10 - Wheeler Dump                | 120       | hr   | 480    | 57,600  | Soils from East Borrow Source | 0         | ton  | 30600 | 0      | Geotechnical testing           | 1200      | day    | 15  | 18,000 | At site every other day |
| 980 Loader                       | 167       | hr   | 180    | 30,060  | Gravel                        | 25        | ton  | 1000  | 25,000 | Analytical Testing             | 150       | sample | 0   | 0      |                         |
| 200 Series Excavator             | 192       | hr   | 180    | 34,560  | Rip Rap                       | 30        | ton  | 500   | 15,000 | Earthwork                      |           | ls     | 1   | 0      |                         |
| Water Truck                      | 108       | hr   | 300    | 32,400  | Geotextile                    | 0.2       | sf   | 10000 | 2,000  | Geosynthetic                   | 10000     | ls     | 1   | 10,000 | Installation            |
| D9 Dozer                         | 234       | hr   |        | 0       | LLDPE                         | 0.65      | sf   | 5000  | 3,250  | Piping                         |           | ls     | 1   | 0      |                         |
| D6 Dozer                         | 134       | hr   | 120    | 16,080  |                               |           |      |       | 0      | Concrete                       | 0         | ls     | 1   | 0      |                         |
| Pick-up Truck                    | 15        | hr   | 480    | 7,200   |                               |           |      |       | 0      | Surveyor                       | 200       | hr     | 20  | 4,000  | Record surveys          |
| 40-ton Haul Truck                | 196       | hr   |        | 0       |                               |           |      |       | 0      |                                |           |        |     | 0      |                         |
| Operator                         | 67        | hr   |        | 0       |                               |           |      |       | 0      |                                |           |        |     | 0      |                         |
| Laborer                          | 49        | hr   | 360    | 17,640  |                               |           |      |       | 0      |                                |           |        |     | 0      |                         |
| Principal                        | 203       | hr   | 32     | 6,496   |                               |           |      |       | 0      |                                |           |        |     | 0      |                         |
| Senior CM                        | 139       | hr   | 200    | 27,800  |                               |           |      |       | 0      |                                |           |        |     | 0      |                         |
| CQA Manager                      | 155       | hr   | 40     | 6,200   |                               |           |      |       | 0      |                                |           |        |     | 0      |                         |
| CQA Technician                   | 97        | hr   | 220    | 21,340  |                               |           |      |       | 0      |                                |           |        |     | 0      |                         |
| Safety Officer                   | 110       | hr   | 20     | 2,200   |                               |           |      |       | 0      |                                |           |        |     | 0      |                         |
| 815 Compactor                    | 192       | hr   | 150    | 28,800  |                               |           |      |       | 0      |                                |           |        |     | 0      |                         |
|                                  |           |      |        | 0       |                               |           |      |       | 0      |                                |           |        |     | 0      |                         |
| Mobilization                     | 1500      | ea   | 5      | 7,500   |                               |           |      |       | 0      |                                |           |        |     | 0      |                         |
| Demobilization                   | 1500      | ea   | 5      | 7,500   |                               |           |      |       | 0      |                                |           |        |     | 0      |                         |
| Per Diem (8 hour days)           | 136       | day  | 345.25 | 46,954  |                               |           |      |       | 0      |                                |           |        |     | 0      |                         |
| Expenses                         | 5000      | ls   | 1      | 5,000   | Other                         | 5000      | ls   | 1     | 5,000  |                                |           |        |     | 0      |                         |
| Total Labor and Equipment        |           |      |        | 355,330 | Total Materials               |           |      |       | 50,250 | Total Subcontractors           |           |        |     | 32,000 |                         |
| Contingency at 5%                |           |      |        | 17,767  | Mark-up at 6.5%               |           |      |       | 3,266  | Mark-up at 6.5%                |           |        |     | 2,080  |                         |
| Total Labor and Equip. w/Mark-up |           |      |        | 373,097 | Total Materials w/Mark-up     |           |      |       | 53,516 | Total Subcontractors w/Mark-up |           |        |     | 34,080 |                         |
| Grand Total =====>               |           |      |        | 461,000 |                               |           |      |       |        |                                |           |        |     |        |                         |

The estimate is for activities that will be required at the Boneyard area to comply with the RAP.

Assumptions: Slopes and initial soil cover on top deck will be installed in 2016. 3-feet of EBS silty sand will be installed in 2017 pursuant to the RAP. A short letter report documenting the activities and CQA observations and testing will be prepared.

| Equipment (operated) and Labor          | Rate (\$) | Unit | Qty    | Ext.   | Materials                     | Rate (\$)                        | Unit | Qty   | Ext.   | Subcontractors       | Rate (\$)                             | Unit   | Qty | Ext.  | Comment                 |
|---|-----------|------|--------|--------|-------------------------------|----------------------------------|------|-------|--------|----------------------|---------------------------------------|--------|-----|-------|-------------------------|
| 10 - Wheeler Dump                       | 120       | hr   | 0      | 0      | Soils from East Borrow Source | 0                                | ton  | 24000 | 0      | Geotechnical testing | 1200                                  | day    | 8   | 9,600 | At site every other day |
| 980 Loader                              | 167       | hr   | 120    | 20,040 | Gravel                        | 25                               | ton  | 300   | 7,500  | Analytical Testing   | 150                                   | sample | 0   | 0     |                         |
| 200 Series Excavator                    | 192       | hr   | 120    | 23,040 | Rip Rap                       | 30                               | ton  | 500   | 15,000 | Earthwork            |                                       | ls     | 1   | 0     |                         |
| Water Truck                             | 108       | hr   | 200    | 21,600 | Geotextile                    | 0.2                              | sf   | 10000 | 2,000  | Geosynthetic         | 0                                     | ls     | 1   | 0     |                         |
| D9 Dozer                                | 234       | hr   |        | 0      |                               |                                  |      |       | 0      | Piping               |                                       | ls     | 1   | 0     |                         |
| D6 Dozer                                | 134       | hr   | 120    | 16,080 |                               |                                  |      |       | 0      | Concrete             | 0                                     | ls     | 1   | 0     |                         |
| Pick-up Truck                           | 15        | hr   | 360    | 5,400  |                               |                                  |      |       | 0      | Surveyor             | 200                                   | hr     | 20  | 4,000 | Record surveys          |
| 40-ton Haul Truck                       | 196       | hr   | 360    | 70,560 |                               |                                  |      |       | 0      |                      |                                       |        |     | 0     |                         |
| Operator                                | 67        | hr   |        | 0      |                               |                                  |      |       | 0      |                      |                                       |        |     | 0     |                         |
| Laborer                                 | 49        | hr   | 200    | 9,800  |                               |                                  |      |       | 0      |                      |                                       |        |     | 0     |                         |
| Principal                               | 203       | hr   | 12     | 2,436  |                               |                                  |      |       | 0      |                      |                                       |        |     | 0     |                         |
| Senior CM                               | 139       | hr   | 120    | 16,680 |                               |                                  |      |       | 0      |                      |                                       |        |     | 0     |                         |
| CQA Manager                             | 155       | hr   | 32     | 4,960  |                               |                                  |      |       | 0      |                      |                                       |        |     | 0     |                         |
| CQA Technician                          | 97        | hr   | 140    | 13,580 |                               |                                  |      |       | 0      |                      |                                       |        |     | 0     |                         |
| Safety Officer                          | 110       | hr   | 10     | 1,100  |                               |                                  |      |       | 0      |                      |                                       |        |     | 0     |                         |
| 815 Compactor                           | 192       | hr   | 120    | 23,040 |                               |                                  |      |       | 0      |                      |                                       |        |     | 0     |                         |
|   |           |      |        | 0      |                               |                                  |      |       | 0      |                      |                                       |        |     | 0     |                         |
| Mobilization                            | 1500      | ea   | 3      | 4,500  |                               |                                  |      |       | 0      |                      |                                       |        |     | 0     |                         |
| Demobilization                          | 1500      | ea   | 3      | 4,500  |                               |                                  |      |       | 0      |                      |                                       |        |     | 0     |                         |
| Per Diem (8 hour days)                  | 136       | day  | 239.25 | 32,538 |                               |                                  |      |       | 0      |                      |                                       |        |     | 0     |                         |
| Expenses                                | 5000      | ls   | 1      | 5,000  | Other                         | 5000                             | ls   | 1     | 5,000  |                      |                                       |        |     | 0     |                         |
| <b>Total Labor and Equipment</b>        |           |      |        |        | <b>274,854</b>                | <b>Total Materials</b>           |      |       |        | <b>29,500</b>        | <b>Total Subcontractors</b>           |        |     |       | <b>13,600</b>           |
| <b>Contingency at 5%</b>                |           |      |        |        | <b>13,743</b>                 | <b>Mark-up at 6.5%</b>           |      |       |        | <b>1,918</b>         | <b>Mark-up at 6.5%</b>                |        |     |       | <b>884</b>              |
| <b>Total Labor and Equip. w/Mark-up</b> |           |      |        |        | <b>288,597</b>                | <b>Total Materials w/Mark-up</b> |      |       |        | <b>31,418</b>        | <b>Total Subcontractors w/Mark-up</b> |        |     |       | <b>14,484</b>           |
| <b>Grand Total =====&gt;</b>            |           |      |        |        | <b>335,000</b>                |                                  |      |       |        |                      |                                       |        |     |       |                         |

The estimate is for activities that will be required at Cell 4 to comply with the RAP.

Assumptions: Slopes and initial soil cover on top deck will be installed in 2016. 3-feet of EBS silty sand will be installed in 2017 pursuant to the RAP. A short letter report documenting the activities and CQA observations and testing will be prepared.

| Equipment (operated) and Labor          | Rate (\$) | Unit | Qty | Ext.           | Materials                        | Rate (\$) | Unit | Qty   | Ext.         | Subcontractors                        | Rate (\$) | Unit   | Qty | Ext.          | Comment                 |
|---|-----------|------|-----|----------------|----------------------------------|-----------|------|-------|--------------|---------------------------------------|-----------|--------|-----|---------------|-------------------------|
| 10 - Wheeler Dump                       | 120       | hr   | 960 | 115,200        | Soils from East Borrow Source    | 0         | ton  | 18900 | 0            | Geotechnical testing                  | 1200      | day    | 8   | 9,600         | At site every other day |
| 980 Loader                              | 167       | hr   | 120 | 20,040         | Gravel                           | 25        | ton  | 0     | 0            | Analytical Testing                    | 150       | sample | 0   | 0             |                         |
| 200 Series Excavator                    | 192       | hr   | 120 | 23,040         | Rip Rap                          | 30        | ton  | 0     | 0            | Earthwork                             |           | ls     | 1   | 0             |                         |
| Water Truck                             | 108       | hr   | 240 | 25,920         | Geotextile                       | 0.2       | sf   | 10000 | 2,000        | Geosynthetic                          | 0         | ls     | 1   | 0             |                         |
| D9 Dozer                                | 234       | hr   |     | 0              |                                  |           |      |       | 0            | Piping                                |           | ls     | 1   | 0             |                         |
| D6 Dozer                                | 134       | hr   | 120 | 16,080         |                                  |           |      |       | 0            | Concrete                              | 0         | ls     | 1   | 0             |                         |
| Pick-up Truck                           | 15        | hr   | 360 | 5,400          |                                  |           |      |       | 0            | Surveyor                              | 200       | hr     | 20  | 4,000         | Record surveys          |
| 40-ton Haul Truck                       | 196       | hr   | 0   | 0              |                                  |           |      |       | 0            |                                       |           |        |     | 0             |                         |
| Operator                                | 67        | hr   |     | 0              |                                  |           |      |       | 0            |                                       |           |        |     | 0             |                         |
| Laborer                                 | 49        | hr   | 0   | 0              |                                  |           |      |       | 0            |                                       |           |        |     | 0             |                         |
| Principal                               | 203       | hr   | 12  | 2,436          |                                  |           |      |       | 0            |                                       |           |        |     | 0             |                         |
| Senior CM                               | 139       | hr   | 180 | 25,020         |                                  |           |      |       | 0            |                                       |           |        |     | 0             |                         |
| CQA Manager                             | 155       | hr   | 32  | 4,960          |                                  |           |      |       | 0            |                                       |           |        |     | 0             |                         |
| CQA Technician                          | 97        | hr   | 180 | 17,460         |                                  |           |      |       | 0            |                                       |           |        |     | 0             |                         |
| Safety Officer                          | 110       | hr   | 20  | 2,200          |                                  |           |      |       | 0            |                                       |           |        |     | 0             |                         |
| 815 Compactor                           | 192       | hr   | 120 | 23,040         |                                  |           |      |       | 0            |                                       |           |        |     | 0             |                         |
|   |           |      |     | 0              |                                  |           |      |       | 0            |                                       |           |        |     | 0             |                         |
| Mobilization                            | 1500      | ea   | 3   | 4,500          |                                  |           |      |       | 0            |                                       |           |        |     | 0             |                         |
| Demobilization                          | 1500      | ea   | 3   | 4,500          |                                  |           |      |       | 0            |                                       |           |        |     | 0             |                         |
| Per Diem (8 hour days)                  | 136       | day  | 308 | 41,888         |                                  |           |      |       | 0            |                                       |           |        |     | 0             |                         |
| Expenses                                | 5000      | ls   | 1   | 5,000          | Other                            | 5000      | ls   | 1     | 5,000        |                                       |           |        |     | 0             |                         |
| <b>Total Labor and Equipment</b>        |           |      |     | <b>336,684</b> | <b>Total Materials</b>           |           |      |       | <b>7,000</b> | <b>Total Subcontractors</b>           |           |        |     | <b>13,600</b> |                         |
| <b>Contingency at 5%</b>                |           |      |     | <b>16,834</b>  | <b>Mark-up at 6.5%</b>           |           |      |       | <b>455</b>   | <b>Mark-up at 6.5%</b>                |           |        |     | <b>884</b>    |                         |
| <b>Total Labor and Equip. w/Mark-up</b> |           |      |     | <b>353,518</b> | <b>Total Materials w/Mark-up</b> |           |      |       | <b>7,455</b> | <b>Total Subcontractors w/Mark-up</b> |           |        |     | <b>14,484</b> |                         |
| <b>Grand Total =====&gt;</b>            |           |      |     | <b>376,000</b> |                                  |           |      |       |              |                                       |           |        |     |               |                         |

The estimate is for activities that may be required on the Plant Site to comply with the RAP.

Assumptions: . This activity includes adding one-time additional pavement (up to 2.5 acres) in areas that may be needed after performance of the installed components in 2016 are evaluated. A short letter report documenting the construction activities and CQA observations/testing will be prepared.

| Equipment (operated) and Labor          | Rate (\$) | Unit | Qty | Ext.           | Materials                        | Rate (\$) | Unit | Qty    | Ext.   | Subcontractors                        | Rate (\$) | Unit   | Qty    | Ext.    | Comment                            |
|---|-----------|------|-----|----------------|----------------------------------|-----------|------|--------|--------|---------------------------------------|-----------|--------|--------|---------|------------------------------------|
| 10 - Wheeler Dump                       | 120       | hr   | 0   | 0              | Soils from East Borrow Source    | 0         | ton  | 0      | 0      | Geotechnical testing                  | 1200      | day    | 8      | 9,600   | At site every third day            |
| 980 Loader                              | 167       | hr   | 0   | 0              | Gravel                           | 25        | ton  | 200    | 5,000  | Analytical Testing                    | 150       | sample | 0      | 0       |                                    |
| 200 Series Excavator                    | 192       | hr   | 0   | 0              | Rip Rap                          | 30        | ton  | 100    | 3,000  | Earthwork                             |           | ls     | 1      | 0       |                                    |
| Water Truck                             | 108       | hr   | 0   | 0              | Paving geotextile                | 0.2       | sf   | 108900 | 21,780 | Geosynthetic                          | 0         | ls     | 1      | 0       |                                    |
| D9 Dozer                                | 234       | hr   | 0   | 0              |                                  |           |      |        | 0      | Piping                                |           | ls     | 1      | 0       |                                    |
| D6 Dozer                                | 134       | hr   | 0   | 0              |                                  |           |      |        | 0      | Concrete                              | 0         | ls     | 1      | 0       |                                    |
| Pick-up Truck                           | 15        | hr   | 0   | 0              |                                  |           |      |        | 0      | Surveyor                              | 200       | hr     | 8      | 1,600   | Record surveys                     |
| 40-ton Haul Truck                       | 196       | hr   | 0   | 0              |                                  |           |      |        | 0      | Paving                                | 2         | sf     | 108900 | 217,800 | Incls. mob/demob & minor site prep |
| Operator                                | 67        | hr   | 0   | 0              |                                  |           |      |        | 0      |                                       |           |        |        |         | 0                                  |
| Laborer                                 | 49        | hr   | 0   | 0              |                                  |           |      |        | 0      |                                       |           |        |        |         | 0                                  |
| Principal                               | 203       | hr   | 12  | 2,436          |                                  |           |      |        | 0      |                                       |           |        |        |         | 0                                  |
| Senior CM                               | 139       | hr   | 150 | 20,850         |                                  |           |      |        | 0      |                                       |           |        |        |         | 0                                  |
| CQA Manager                             | 155       | hr   | 0   | 0              |                                  |           |      |        | 0      |                                       |           |        |        |         | 0                                  |
| CQA Technician                          | 97        | hr   | 150 | 14,550         |                                  |           |      |        | 0      |                                       |           |        |        |         | 0                                  |
| Safety Officer                          | 110       | hr   | 0   | 0              |                                  |           |      |        | 0      |                                       |           |        |        |         | 0                                  |
| 815 Compactor                           | 192       | hr   | 0   | 0              |                                  |           |      |        | 0      |                                       |           |        |        |         | 0                                  |
|   |           |      |     | 0              |                                  |           |      |        | 0      |                                       |           |        |        |         | 0                                  |
| Mobilization                            | 1500      | ea   | 0   | 0              |                                  |           |      |        | 0      |                                       |           |        |        |         | 0                                  |
| Demobilization                          | 1500      | ea   | 0   | 0              |                                  |           |      |        | 0      |                                       |           |        |        |         | 0                                  |
| Per Diem (8 hour days)                  | 136       | day  | 39  | 5,304          |                                  |           |      |        | 0      |                                       |           |        |        |         | 0                                  |
| Expenses                                | 0         | ls   | 1   | 0              | Other                            | 0         | ls   | 1      | 0      |                                       |           |        |        |         | 0                                  |
| <b>Total Labor and Equipment</b>        |           |      |     | 43,140         | <b>Total Materials</b>           |           |      |        | 29,780 | <b>Total Subcontractors</b>           |           |        |        |         | 229,000                            |
| <b>Contingency at 5%</b>                |           |      |     | 2,157          | <b>Mark-up at 6.5%</b>           |           |      |        | 1,936  | <b>Mark-up at 6.5%</b>                |           |        |        |         | 14,885                             |
| <b>Total Labor and Equip. w/Mark-up</b> |           |      |     | 45,297         | <b>Total Materials w/Mark-up</b> |           |      |        | 31,716 | <b>Total Subcontractors w/Mark-up</b> |           |        |        |         | 243,885                            |
| <b>Grand Total =====&gt;</b>            |           |      |     | <b>321,000</b> |                                  |           |      |        |        |                                       |           |        |        |         |                                    |