KITTITAS COUNTY
DEPARTMENT OF PUBLIC WORKS

**AGENDA STAFF REPORT**

| | |
|---|---|
| **AGENDA DATE**: | August 2, 2016 |
| **ACTION REQUESTED**: | Approve the Resolution to Award the Contract for the Lodge Creek Culvert Replacement along Via Kachess Road and Authorize the Public Works Director to Execute the Same. |

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BACKGROUND:

The Department of Public Works declared a local emergency April 2016 Resolution Number 2016-059 and entered a contract with Jacobs for design and support for the culvert replacement. Jacobs has utilized Atkinson Construction for constructability reviews due to their proximity and familiarity of the project scope. Schedule restrictions such as in water work windows and weather require construction to be accomplished in September. Failing to meet this schedule and replace the culvert in 2016 poses risks of additional failure and closure of the only access to approximately 40 homes and a local fire station. By suspending normal bidding procedures for design and construction provides about eight weeks of schedule recovery. Utilizing Atkinson for constructability reviews throughout the design has provided about two additional weeks of schedule recovery allowing us to ensure culvert replacement in 2016. Additionally Atkinson had the ability to re-prioritize other projects aiding in our ability to procure the box culvert from Granite Pre-cast by September.

Atkinson Construction furnished a Force Account Estimate for $740,070.03. Atkinson has agreed to accommodate the use of County

| | |
|---|---|
| | Forces for any work County has the ability to accomplish. By doing this construction costs should be reduced. |
| INTERACTION: | Public Works |
| RECOMMENDATION: | Motion to approve the Resolution to Award the Contract for the Lodge Creek culvert replacement along Via Kachess Road and authorize the Director of Public Works to sign said contract documents. |
| HANDLING: | Return a copy of the Resolution to Public Works. |
| ATTACHMENTS: | Resolution<br>Atkinson Estimate |
| LEAD STAFF: | Mark Cook<br>Director |

**BOARD OF COUNTY COMMISSIONERS**
**COUNTY OF KITTITAS**
**STATE OF WASHINGTON**

**RESOLUTION NO. _____**

**TO AWARD THE CONTRACT FOR THE LODGE CREEK CULVERT REPLACEMENT ALONG VIA KACHESS ROAD AND AUTHORIZE THE PUBLIC WORKS DIRECTOR TO EXECUTE SAME**

**WHEREAS:** Resolution Number 2016-059 declared a Local Emergency supporting suspension of normal bidding and procurement requirements to allow expedited replacement of the culvert; and

**WHEREAS:** Resolution Number 2016-060 authorized engineering consultant services from Jacobs for immediate design and support of the replacement of the failed Lodge Creek culvert; and

**WHEREAS:** Jacobs has utilized services from Atkinson Construction for constructability reviews; and

**WHEREAS:** Atkinson Construction is currently working in the vicinity and has the ability to assist in the rapid procurement of materials to accommodate weather and in water work schedule restrictions; and

**WHEREAS:** Atkinson Construction furnished a Force Account Estimate accommodating the use of county forces to aid in cost minimization. The Director of Public Works recommends the force account estimate from Atkinson Construction, of $740,070.03 be accepted.

**NOW, THEREFORE BE IT RESOLVED** that the Board of County Commissioners, in the best interest of the public, does hereby award the contract for the construction of the Lodge Creek Culvert replacement in the amount of $740,070.03 to Atkinson Construction.

**BE IT FURTHER RESOLVED** that the Director for the Department of Public Works is authorized to sign the contract documents for said project.

**DATED** on this 2nd day of August, 2016, at Ellensburg, Washington.

BOARD OF COUNTY COMMISSIONERS
KITTITAS COUNTY, WASHINGTON

_____
Obie O'Brien, Chairman

Attest:
☐ Clerk of the Board- Julie Kjorsvik

_____
Paul Jewell, Vice-Chairman

☐ Deputy Clerk of the Board- Mandy Buchholz

_____
Laura Osiadacz, Commissioner

_____

ESTIMATE RECAP - BID QUANTITIES

| | DIRECT | INDIRECT | TOTAL | % OF TOTAL |
|---|---|---|---|---|
| Labor | 100,325.55 | 39,078.62 | 139,404.17 | 18.837% |
| Burden | 55,050.90 | 3,477.17 | 58,528.07 | 7.908% |
| Lab+Bur | 155,376.45 | 42,555.79 | 197,932.24 | 26.745% |
| Perm Matl | 170,152.87 | | 170,152.87 | 22.991% |
| Const Exp | 42,569.01 | 13,068.65 | 55,637.66 | 7.518% |
| Equipment | 58,531.96 | 22,684.35 | 81,216.31 | 10.974% |
| Subs | 140,778.00 | | 140,778.00 | 19.022% |
| Other | 65,828.41 | 28,524.54 | 94,352.95 | 12.749% |
| Total Costs: | 633,236.70 | 106,833.33 | 740,070.03 | 99.999% |
| % of Total | 85.564% | 14.436% | 100.000% | |

| Escalation on: | Labor | Burden | Perm Matl | Const Matl | Co Eqp | Rented Eqp |
|---|---|---|---|---|---|---|
| | 31,339 | 13,157 | 29,531 | 14,607 | 2,294 | 5,823 |
| | 129.00% | 129.00% | 121.00% | 121.00% | 121.00% | 121.00% |

| Eq Op Exp | Sub | OES | FORCE ACCT | Misc3 | Total Escalation |
|---|---|---|---|---|---|
| 5,979 | 12,798 | 11,425 | 0 | 0 | 126,952 |
| 121.00% | 110.00% | 121.00% | 100.00% | 100.00% | 120.71% |

* Data Below here is dependent on the Summary Process. *
The Summary Process was last run 07/26/2016 at 4:17 PM

*Markup Addons*

| | | | |
|---|---|---|---|
| Markup | Lump Sum | 0.00 | 0.0000% |
| MARKUP TOTALS ===> | | 0.00 | 0.0000% (% of costs) |
| COST + MARKUP ----------> | | $740,070.03 (On Bid Quantity) | |

There * ARE NOT * closing accounts for this bid.

| | | -Effect on Bid- |
|---|---|---|
| Rounding difference: | | |
| Unbalancing difference: | -20,118.01 | Adjusted |
| From Cut&Add Sheet-costs: | | (on Bid Quantity) |
| From Cut&Add Sheet-markup: | | (on Bid Quantity) |
| Pass Through Adjustments: | | None |
| Net Adjustments (to the balanced bid): | -$20,118.01 | [or desired bid] |
| BALANCED BID TOTAL | $613,118.69 | |
| DESIRED BID (if specified) | | |
| BID TOTAL (on bid quantities) | $613,118.69 | |
| BID COSTS (on bid quantities) | $613,118.69 | |
| MARKUP (on bid quantities) | | 0.000% |

| | | |
|---|---|---|
| EXPECTED JOB VALUE (on takeoff quantities): | $613,118.69 | |
| EXPECTED COSTS (on takeoff quantities): | $740,070.03 | |
| EXPECTED MARKUP (on takeoff quantities): | -$126,951.34 | -17.153% |

Adjust to Bid Quantities = B

| | | On Takeoff Quantities | |
|---|---|---|---|
| Labor Hrs. (MH/MHS) | 1,869 | 100 | 1,969 |
| (incl burden) | 155,376 | 8,724 | 164,101 |
| Labor (DAY/DAYS) | 0 | 0 | 0 |
| (incl burden) | 0 | 0 | 0 |
| Labor (OtherUnits) | 0 | 33,830 | 33,830 |
| (incl burden) | | | |
| Labor Burden | 55,050 | 3,477 | 58,528 |

Spread Indirects on: Total Cost Spread Markup on: Total Cost
Spread Addons&Bond on: Total Cost

**Key Indicators**

| | | | | |
|---|---|---|---|---|
| Balanced Markup | / | Total Labor | = | Balanced Markup/Total Labor |
| 0.00 | / | 197,932.24 | = | 0.00% |
| Total Indirect Cost | / | Direct Cost | = | Total Indirects/Direct Cost |
| 106,833.33 | / | 633,236.70 | = | 16.87% |
| Direct Manhours | / | Job Duration | = | HOURS / MO |
| 1,869.00 | / | 0.00 | = | 0.00 |
| Balanced Markup By Bid Qty | / | ATKN Total Cost | = | Bal Markup/ATKN Total Cost |
| 0.00 | / | 740,070.03 | = | 0.00% |
| Balanced Markup By Bid Qty | / | ATKN Cost Less FA | = | Bal Markup/Cost Less FA |
| 0.00 | / | 740,070.03 | = | 0.00% |

------ ESTIMATE NOTES: ------
Bid Date: Owner:
Engr Firm:
Estimator-In-Charge: Desired Bid (if specified) = 0.00
Notes:
Last Summary on 07/26/2016 at 4:17 PM.
Last Spread on 07/26/2016 at 3:44 PM.

| Activity / Resource | Desc | Pcs | Quantity | Unit | Unit Cost | Equip. Labor | Equip. All Costs | Expend. Matls. | Perm. Matls. | Sub Contract | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|

**BID ITEM = 10000** Land Item SCHEDULE: 1 100
Description = Materials Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

**30000105 Buy Perm Matrerial** **Quan: 1.00 LS Hrs/Shft: 8.00 Cal: 508 WC: WA0201**
**Unreviewed

```
CSBC under box = 2'x40'x40' = 120 cy
CSBC on Road = 200'x24'x2' = 355 cy
Total = 475 cy.
Common Borrow is a guess for now.  Only needed if the existing material can not be put back.
Quarry Spalls = 3'x40'x40' = 177 cy - Say 250 cy to cover other potential needs.
River Rock - TBD
Stream Bed - 40'x4'x20' = 120 cy in box, double quantity to include pool 240 cy.
Gravel backfill for Walls = We assumed 5' wide around all walls.
Geogrids quantities are a place holder for now.

We will still need to finalize pricing on all material.
```

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2AGCSBCCY | CSBC "CY"@108% | 1.00 | 475.00 | CY | 40.000 | | | 24,829 | 24,829 |
| 2AGGCBCY | Common Borrow "CY@10 | 1.00 | 500.00 | CY | 30.000 | | | 19,602 | 19,602 |
| 2AGGWQSCY | Quarry Spalls "CY@108% | 1.00 | 250.00 | CY | 40.000 | | | 13,068 | 13,068 |
| 2AGGWRRCY | River Rock "CY"@108% | 1.00 | 1.00 | CY | 40.000 | | | 52 | 52 |
| 2AGGWSTMBRC | Stream Bed Materi@108% | 1.00 | 240.00 | CY | 100.000 | | | 31,363 | 31,363 |
| 2AGGWWALL | Gravel Backfill f@108% | 1.00 | 230.00 | CY | 40.000 | | | 12,023 | 12,023 |
| 2GEOGM8XT | MIRAGRID 8XT@108% | 1.00 | 900.00 | SY | 4.500 | | | 5,293 | 5,293 |
| 2GEOTEXSEP | GEOTEX-SOIL SEPAR@1 | 1.00 | 355.00 | SY | 0.650 | | | 302 | 302 |
| 2UBFF | FULL FLAT TOP ULT@10 | 1.00 | 2.00 | EA | 65.000 | | | 170 | 170 |
| 2UBFSB | FULL SIZE ULTRABL@1 | 1.00 | 16.00 | EA | 70.000 | | | 1,464 | 1,464 |
| 2UBHB | HALF ULTRABLOCK S@ | 1.00 | 4.00 | EA | 60.000 | | | 314 | 314 |
| 2UBHFT | HALF FLAT TOP ULT@1 | 1.00 | 4.00 | EA | 55.000 | | | 288 | 288 |
| $108,765.94 | | | | | [ ] | | | 108,766 | 108,766 |
| | | | | | | | | 108,765.94 | 108,765.94 |

**=====> Item Totals: 10000 - Materials**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| $108,765.94 | | | | | [ ] | | | 108,766 | **108,766** |
| 108,765.940 | 1 LS | | | | | | | 108,765.94 | 108,765.94 |

**BID ITEM = 20000** Land Item SCHEDULE: 1 100
Description = Stockpile Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

**30001030 Pre-Stock Pile Material** **Quan: 1.00 LS Hrs/Shft: 10.00 Cal: 510 WC: WA0201**
**Unreviewed

```
Pre-Stockpile material before closure.

Assume 1 week of work with a loader and laborer on the ground for backing up trucks.
```

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LD966 | LOADER 966D, OP, LAB | | 50.00 | CH | **Prod:** | **5.0000 S** | | Lab Pcs: | 2.00 | Eqp Pcs: | 1.00 |
| 8LD966 | WHEEL LOADER CAT 96 | 1.00 | 50.00 | HR | 74.235 | | 4,850 | | | | 4,850 |
| LCOM | LABORER, COMMON G# | 1.00 | 50.00 | MH | 34.420 | 3,654 | | | | | 3,654 |
| OFELL | OP ENG FE LDR <6 CY G | 1.00 | 50.00 | MH | 39.570 | 4,572 | | | | | 4,572 |
| $13,076.35 | 100.0000 MH/LS | | 100.00 | MH | [ 5249.59 ] | 8,226 | 4,850 | | | | 13,076 |
| | 100.0000 MH/Unit | | 0.0200 | Units/Hr | | 8,225.86 | 4,850.49 | | | | 13,076.35 |

**30001032 Load Out Stockpile** **Quan: 1.00 LS Hrs/Shft: 12.00 Cal: 612 WC: WA0201**
**Unreviewed

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This will be done during the 72 hr closure.  Assume 2 solos the help move material between the sites.
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| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LD966 | LOADER 966D, OP, LAB | | 72.00 | CH | **Prod:** | **6.0000 S** | | Lab Pcs: | 2.00 | Eqp Pcs: | 1.00 |
| 5TRHRDPSOLO | DUMP TRUCK SOLO@10 | 1.00 | 144.00 | HR | 135.000 | | | 25,404 | | | 25,404 |
| 8LD966 | WHEEL LOADER CAT 96 | 1.00 | 72.00 | HR | 74.235 | | 6,985 | | | | 6,985 |
| LCOM | LABORER, COMMON G# | 1.00 | 72.00 | MH | 34.420 | 5,707 | | | | | 5,707 |
| OFELL | OP ENG FE LDR <6 CY G | 1.00 | 72.00 | MH | 39.570 | 7,096 | | | | | 7,096 |

| Activity / Resource | Desc | Pcs | Quantity | Unit | Unit Cost | Labor | Equip. All Costs | Expend. Matls. | Perm. Matls. | Sub Contract | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **BID ITEM = 20000** | | | | Land Item | SCHEDULE: 1 100 | | | | | | |
| Description = Stockpile | | | | Unit = | LS | Takeoff Quan: | 1.000 | | Engr Quan: | | 1.000 |
| $45,192.25 | 144.0000 MH/LS | | 144.00 | MH | [ 8399.19 ] | 12,803 | 6,985 | 25,404 | | | 45,192 |
| | 144.0000 MH/Unit | | 0.0139 | Units/Hr | | 12,803.35 | 6,984.71 | 25,404.19 | | | 45,192.25 |
| ======> **Item Totals:** | **20000 - Stockpile** | | | | | | | | | | |
| $58,268.60 | 244.0000 MH/LS | | 244.00 | MH | [ 13648.78 ] | 21,029 | 11,835 | 25,404 | | | **58,269** |
| 58,268.600 | 1 LS | | | | | 21,029.21 | 11,835.20 | 25,404.19 | | | 58,268.60 |
| **BID ITEM = 30000** | | | | Land Item | SCHEDULE: 1 100 | | | | | | |
| Description = Diversion/Enviromental/Pumping | | | | Unit = | LS | Takeoff Quan: | 1.000 | | Engr Quan: | | 1.000 |
| **20006005** | **Buy Material** | | | | **Quan: 1.00 LS** | **Hrs/Shft: 8.00** | **Cal: 508** | **WC: WA0201** | | | **Unreviewed |
| Tis list is a guess for materials needed. | | | | | | | | | | | |
| 2ECFNHIVIS | HIGH VISIBILITY F@108 | 1.00 | 400.00 | LF | 0.200 | | | | 105 | | 105 |
| 2ECFNSLTWW | SILT FENCE W WIRE@10 | 1.00 | 100.00 | LF | 0.950 | | | | 124 | | 124 |
| 2ECPOSTSTLT | STEEL "T" POST@108% | 1.00 | 100.00 | EA | 2.000 | | | | 261 | | 261 |
| 2ECSB | SANDBAGS@108% | 1.00 | 400.00 | EA | 4.000 | | | | 2,091 | | 2,091 |
| 2ECSTRAW | BALE OF STRAW@108% | 1.00 | 50.00 | EA | 5.000 | | | | 327 | | 327 |
| 3AQUABAR | Aqua Barrier@108% | 1.00 | 1.00 | LS | 10,000.000 | | | 13,068 | | | 13,068 |
| $15,975.63 | | | | | [ ] | | | 13,068 | 2,908 | | 15,976 |
| | | | | | | | | 13,068.00 | 2,907.63 | | 15,975.63 |
| **20006031** | **TESC Labor** | | | | **Quan: 1.00 LS** | **Hrs/Shft: 8.00** | **Cal: 508** | **WC: WA0201** | | | **Unreviewed |
| Assume 4 days to install all TESC Material. | | | | | | | | | | | |
| Assume 1 day to remove and clean up. | | | | | | | | | | | |
| LAB4 | 4 MAN LABOR CREW | | 40.00 | CH | **Prod:** | **5.0000 S** | Lab Pcs: | 4.00 | Eqp Pcs: | 1.00 | |
| 8TRPU450 | FLATRACK, BAREBED | 1.00 | 40.00 | HR | 16.167 | | 782 | | | | 782 |
| LCOM | LABORER, COMMON G# | 3.00 | 120.00 | MH | 34.420 | 8,161 | | | | | 8,161 |
| LFM | LABORER FOREMAN | 1.00 | 40.00 | MH | 36.920 | 2,868 | | | | | 2,868 |
| $11,811.62 | 160.0000 MH/LS | | 160.00 | MH | [ 7233.28 ] | 11,029 | 782 | | | | 11,812 |
| | 160.0000 MH/Unit | | 0.0250 | Units/Hr | | 11,029.15 | 782.47 | | | | 11,811.62 |
| **20006506** | **Rent Pumps** | | | | **Quan: 1.00 LS** | **Hrs/Shft: 8.00** | **Cal: 508** | **WC: WA0201** | | | **Unreviewed |
| $20,000 is a plug for the pumping system. | | | | | | | | | | | |
| 1 labor to man pumps while crews are not around only. | | | | | | | | | | | |
| LAB1 | 1 MAN LABOR CREW | | 80.00 | CH | **Prod:** | **10.0000 S** | Lab Pcs: | 1.00 | Eqp Pcs: | 0.00 | |
| 4PUMP8 | 8" Pump@108% | 1.00 | 20.00 | DAY | 1,000.000 | | | | 23,760 | | 23,760 |
| LCOM | LABORER, COMMON G# | 1.00 | 80.00 | MH | 34.420 | 5,441 | | | | | 5,441 |
| $29,200.99 | 80.0000 MH/LS | | 80.00 | MH | [ 3552.15 ] | 5,441 | | | 23,760 | | 29,201 |
| | 80.0000 MH/Unit | | 0.0125 | Units/Hr | | 5,440.99 | | | 23,760.00 | | 29,200.99 |
| **20006631** | **Fall Trees** | | | | **Quan: 1.00 LS** | **Hrs/Shft: 12.00** | **Cal: 612** | **WC: WA0201** | | | **Unreviewed |
| Use 330 to fall trees after pumps are running. | | | | | | | | | | | |
| EX330D | EX 330, D6, OP, GC 75CY/HR | | 12.00 | CH | **Prod:** | **1.0000 S** | Lab Pcs: | 3.00 | Eqp Pcs: | 2.00 | |
| 8DO6 | D6D DOZER ( 140 HP ) | 1.00 | 12.00 | HR | 67.848 | | 1,064 | | | | 1,064 |
| 8EX330 | EXCAV CAT 330 (71K LB | 1.00 | 12.00 | HR | 83.223 | | 1,305 | | | | 1,305 |
| OBHH | OP ENG BACKHOE 3-5C | 1.00 | 12.00 | MH | 40.090 | 1,194 | | | | | 1,194 |
| ODL | OP ENG DOZER D9 & < | 1.00 | 12.00 | MH | 39.120 | 1,173 | | | | | 1,173 |
| OGRADE | OP ENG GRADECHECKE | 1.00 | 12.00 | MH | 36.610 | 1,119 | | | | | 1,119 |
| $5,854.64 | 36.0000 MH/LS | | 36.00 | MH | [ 2191.29 ] | 3,486 | 2,369 | | | | 5,855 |
| | 36.0000 MH/Unit | | 0.0833 | Units/Hr | | 3,485.65 | 2,368.99 | | | | 5,854.64 |
| ======> **Item Totals:** | **30000 - Diversion/Enviromental/Pumping** | | | | | | | | | | |

| Activity / Resource | Desc | Pcs | Quantity | Unit | Unit Cost | Labor | Equip. All Costs | Expend. Matls. | Perm. Matls. | Sub Contract | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **BID ITEM = 30000** | | | | Land Item | SCHEDULE: 1 100 | | | | | | |
| Description = | Diversion/Enviromental/Pumping | | | | Unit = LS | Takeoff Quan: | 1.000 | Engr Quan: | 1.000 | | |
| $62,842.88 | 276.0000 MH/LS | | 276.00 | MH | [ 12976.72 ] | 19,956 | 3,151 | 13,068 | 2,908 | 23,760 | **62,843** |
| 62,842.880 | 1 LS | | | | | 19,955.79 | 3,151.46 | 13,068.00 | 2,907.63 | 23,760.00 | 62,842.88 |
| **BID ITEM = 40000** | | | | Land Item | SCHEDULE: 1 100 | | | | | | |
| Description = | Shoring | | | | Unit = LS | Takeoff Quan: | 1.000 | Engr Quan: | | | 1.000 |
| **40001005** | **Buy Pea Gravel** | | | | **Quan: 220.00 CY** | **Hrs/Shft: 8.00** | **Cal: 508** | **WC: WA0201** | | | **Unreviewed |
| 16 each x 3' holes x 40' = 167 cy @ 30% waste = 220 cy | | | | | | | | | | | |
| Using CFD for plug pricing. | | | | | | | | | | | |
| 2CONCCDF | CONTROLLED DENSIT@ | 1.00 | 220.00 | CY | 200.000 | | | 57,499 | | | 57,499 |
| **40001009** | **Trucking for Soldier Pile** | | | | **Quan: 32.00 HR** | **Hrs/Shft: 8.00** | **Cal: 508** | **WC: WA0201** | | | **Unreviewed |
| Piles and sheets = 4 loads in and out. | | | | | | | | | | | |
| 4 hour rounds from yard = 16 hrs x 2 = 32 hrs. | | | | | | | | | | | |
| 5TRHRFLTBD | TRUCK SEMI FLATBE@ | 1.00 | 32.00 | HR | 150.000 | | | 6,273 | | | 6,273 |
| **40001013** | **Buy/Rent Steel Sheets** | | | | **Quan: 56,160.00 LB** | **Hrs/Shft: 8.00** | **Cal: 508** | **WC: WA0201** | | | **Unreviewed |
| 16 beams and 16 sheets | | | | | | | | | | | |
| 16 x 40 x 117 = 28080 lbs | | | | | | | | | | | |
| Sheets weigh about the same so call it 56,160 # | | | | | | | | | | | |
| 3SHPLGFA | SHORING PLATES GF@1 | 1.00 | 56,160.00 | LB | 0.175 | | | 12,843 | | | 12,843 |
| **40001028** | **Drill Soldier Pile** | | | | **Quan: 5.00 DAY** | **Hrs/Shft: 8.00** | **Cal: 508** | **WC: WA0201** | | | **Unreviewed |
| Need plug from driller. | | | | | | | | | | | |
| Go with Mobilization + day rate + Pea Gravel cost. | | | | | | | | | | | |
| Assume 4 to 5 days | | | | | | | | | | | |
| 4DRSHAFTDAY | Day Rate@108% | 1.00 | 5.00 | DAY | 8,000.000 | | | | | 47,520 | 47,520 |
| **40001029** | **Load Drill Spoils** | | | | **Quan: 220.00 CY** | **Hrs/Shft: 8.00** | **Cal: 508** | **WC: WA0201** | | | **Unreviewed |
| LD966 | LOADER 966D, OP, LAB | | 32.00 | CH | **Prod:** | **4.0000 S** | Lab Pcs: | 3.00 | Eqp Pcs: | | 2.00 |
| 8LD966 | WHEEL LOADER CAT 96 | 1.00 | 32.00 | HR | 74.235 | 3,104 | | | | | 3,104 |
| 8TRDU5 | JOB HAUL DUMP TRUC | 1.00 | 32.00 | HR | 33.723 | 1,410 | | | | | 1,410 |
| LCOM | LABORER, COMMON G# | 1.00 | 32.00 | MH | 34.420 | 2,176 | | | | | 2,176 |
| OBHL | OP ENG BACKHOE/L<75 | 1.00 | 32.00 | MH | 39.120 | 2,718 | | | | | 2,718 |
| OFELL | OP ENG FE LDR <6 CY G | 1.00 | 32.00 | MH | 39.570 | 2,740 | | | | | 2,740 |
| $12,149.09 | 0.4363 MH/CY | | 96.00 | MH | [ 21.224 ] | 7,635 | 4,515 | | | | 12,149 |
| | 0.4364 MH/Unit | | 6.8750 | Units/Hr | | 34.70 | 20.52 | | | | 55.22 |
| **40001041** | **Rem Pile & Sheets** | | | | **Quan: 32.00 EA** | **Hrs/Shft: 8.00** | **Cal: 508** | **WC: WA0201** | | | **Unreviewed |
| Includes install of sheets and removal of sheets and pile. | | | | | | | | | | | |
| Ones shift to install and 2 to remove. | | | | | | | | | | | |
| EX330 | EX 330, OP, GRDCHK 75CY/HR | | 24.00 | CH | **Prod:** | **3.0000 S** | Lab Pcs: | 2.00 | Eqp Pcs: | | 1.00 |
| 8EX330 | EXCAV CAT 330 (71K LB | 1.00 | 24.00 | HR | 83.223 | 2,610 | | | | | 2,610 |
| OBHH | OP ENG BACKHOE 3-5C | 1.00 | 24.00 | MH | 40.090 | 2,073 | | | | | 2,073 |
| OGRADE | OP ENG GRADECHECKE | 1.00 | 24.00 | MH | 36.610 | 1,950 | | | | | 1,950 |

| Activity / Resource | Desc | Pcs | Quantity | Unit | Unit Cost | Labor | Equip. All Costs | Expend. Matls. | Perm. Matls. | Sub Contract | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **BID ITEM = 40000** | | | | Land Item | SCHEDULE: 1 100 | | | | | | |
| Description = Shoring | | | | | Unit = LS | Takeoff Quan: | 1.000 | Engr Quan: | | | 1.000 |
| $6,633.46 | 1.5000 MH/EA | | 48.00 | MH | [ 74.207 ] | 4,023 | 2,610 | | | | 6,633 |
| | 1.5000 MH/Unit | | 1.3333 | Units/Hr | | 125.73 | 81.57 | | | | 207.30 |
| **40001086** | **Driller Mobilization** | | | | **Quan: 1.00 EA** | **Hrs/Shft: 8.00** | **Cal: 508** | **WC: WA0201** | | | |
| | | | | | | | | | | | **Unreviewed |
| 4DRSHAFTMOB | Mob/Demob Driller@108% | 1.00 | 1.00 | LS | 20,000.000 | | | | | 23,760 | 23,760 |
| **40001089** | **Flagging** | | | | **Quan: 1.00 LS** | **Hrs/Shft: 10.00** | **Cal: 510** | **WC: WA0201** | | | |
| | | | | | | | | | | | **Unreviewed |
| 3 man crew for 5 days during drilling. | | | | | | | | | | | |
| TCFLAG | TC - FLAGGING | | 50.00 | CH | **Prod:** | **5.0000 S** | Lab Pcs: | 2.50 | Eqp Pcs: | | 2.00 |
| 8GENLI | ENG DRIVEN LITE TOW | 1.00 | 50.00 | HR | 11.718 | | 709 | | | | 709 |
| 8TRPU450 | FLATRACK, BAREBED | 1.00 | 50.00 | HR | 16.167 | | 978 | | | | 978 |
| LFLAGGER | LABORER, FLAGGER G# | 2.00 | 100.00 | MH | 27.530 | 6,192 | | | | | 6,192 |
| LFM | LABORER FOREMAN | 0.50 | 25.00 | MH | 36.920 | 1,928 | | | | | 1,928 |
| $9,807.53 | 125.0000 MH/LS | | 125.00 | MH | [ 5216.24 ] | 8,121 | 1,687 | | | | 9,808 |
| | 125.0000 MH/Unit | | 0.0200 | Units/Hr | | 8,120.52 | 1,687.01 | | | | 9,807.53 |
| =====> **Item Totals:** | **40000 - Shoring** | | | | | | | | | | |
| $176,485.15 | 269.0000 MH/LS | | 269.00 | MH | [ 12260.05 ] | 19,778 | 8,812 | 19,116 | 57,499 | 71,280 | **176,485** |
| 176,485.150 | 1 LS | | | | | 19,778.44 | 8,811.64 | 19,115.87 | 57,499.20 | 71,280.00 | 176,485.15 |
| **BID ITEM = 50000** | | | | Land Item | SCHEDULE: 1 100 | | | | | | |
| Description = 72 HR Closure | | | | | Unit = LS | Takeoff Quan: | 1.000 | Engr Quan: | | | 1.000 |
| There will be two crews working double shifts. | | | | | | | | | | | |
| **300012031** | **Crew A** | | | | **Quan: 48.00 HR** | **Hrs/Shft: 12.00** | **Cal: 612** | **WC: WA0201** | | | |
| | | | | | | | | | | | **Unreviewed |
| Only 4 shifts. Box culvert set has its own crew. Final shift will be for subs to complete work. | | | | | | | | | | | |
| Assume 5 12hr shifts. | | | | | | | | | | | |
| EX330 | EX 330, OP, GRDCHK 75CY/HR | | 48.00 | CH | **Prod:** | **4.0000 S** | Lab Pcs: | 7.50 | Eqp Pcs: | | 5.00 |
| 8CO563 | COMPACT CAT CP563 | 1.00 | 48.00 | HR | 43.020 | | 2,698 | | | | 2,698 |
| 8DO5 | D5 DOZER (25k) | 1.00 | 48.00 | HR | 40.682 | | 2,552 | | | | 2,552 |
| 8EX330 | EXCAV CAT 330 (71K LB | 1.00 | 48.00 | HR | 83.223 | | 5,220 | | | | 5,220 |
| 8EXMINI | EXC MINI (14K LB) | 1.00 | 48.00 | HR | 32.064 | | 2,011 | | | | 2,011 |
| 8LD966 | WHEEL LOADER CAT 96 | 1.00 | 48.00 | HR | 74.235 | | 4,656 | | | | 4,656 |
| LCOM | LABORER, COMMON G# | 1.50 | 72.00 | MH | 34.420 | 5,707 | | | | | 5,707 |
| OBHH | OP ENG BACKHOE 3-5C | 1.00 | 48.00 | MH | 40.090 | 4,776 | | | | | 4,776 |
| OBHL | OP ENG BACKHOE/L<75 | 1.00 | 48.00 | MH | 39.120 | 4,692 | | | | | 4,692 |
| ODL | OP ENG DOZER D9 & < | 1.00 | 48.00 | MH | 39.120 | 4,692 | | | | | 4,692 |
| OFELL | OP ENG FE LDR <6 CY G | 1.00 | 48.00 | MH | 39.570 | 4,731 | | | | | 4,731 |
| OGRADE | OP ENG GRADECHECKE | 1.00 | 48.00 | MH | 36.610 | 4,475 | | | | | 4,475 |
| OPAKH | OP ENG COMPACTOR H | 1.00 | 48.00 | MH | 39.120 | 4,692 | | | | | 4,692 |
| $50,902.34 | 7.5000 MH/HR | | 360.00 | MH | [ 449.752 ] | 33,764 | 17,138 | | | | 50,902 |
| | 7.5000 MH/Unit | | 1.0000 | Units/Hr | | 703.42 | 357.05 | | | | 1,060.47 |
| **30001232** | **Crew B** | | | | **Quan: 48.00 HR** | **Hrs/Shft: 12.00** | **Cal: 612** | **WC: WA0201** | | | |
| | | | | | | | | | | | **Unreviewed |
| Assume 4 shifts. | | | | | | | | | | | |
| EX320 | EX 320, OP, GRDCHK 50CY/HR | | 48.00 | CH | **Prod:** | **4.0000 S** | Lab Pcs: | 7.50 | Eqp Pcs: | | 7.00 |
| 8CODIESELCOM | DIESEL PLATE COMPAC | 1.00 | 48.00 | HR | 17.522 | | 1,099 | | | | 1,099 |
| 8COHP | COMPACT HOE PACK | 1.00 | 48.00 | HR | 20.100 | | 1,261 | | | | 1,261 |
| 8DO4H | D4H DOZER LGP ( 90 HP | 1.00 | 48.00 | HR | 38.450 | | 2,412 | | | | 2,412 |
| 8EX320 | EXCAV CAT 320 (50K LB | 1.00 | 48.00 | HR | 56.245 | | 3,528 | | | | 3,528 |
| 8FK9K | FORKLIFT VR 9K# | 1.00 | 48.00 | HR | 31.516 | | 1,977 | | | | 1,977 |
| 8LD950 | WHL LOADER CAT 950 | 1.00 | 48.00 | HR | 53.296 | | 3,343 | | | | 3,343 |

| Activity / Resource | Desc | Pcs | Quantity | Unit | Unit Cost | Labor | Equip. All Costs | Expend. Matls. | Perm. Matls. | Sub Contract | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **BID ITEM = 50000** | | | | Land Item | SCHEDULE: 1 100 | | | | | | |
| Description = | 72 HR Closure | | | | Unit = LS | Takeoff Quan: | | 1.000 | Engr Quan: | | 1.000 |
| 8LDSKID | SKIDSTEER | 1.00 | 48.00 | HR | 21.473 | | 1,347 | | | | 1,347 |
| LCOM | LABORER, COMMON G# | 1.50 | 72.00 | MH | 34.420 | 5,707 | | | | | 5,707 |
| OBH | OP ENG BACKHOE <3CY | 1.00 | 48.00 | MH | 39.570 | 4,731 | | | | | 4,731 |
| OBHL | OP ENG BACKHOE/L<75 | 2.00 | 96.00 | MH | 39.120 | 9,384 | | | | | 9,384 |
| ODL | OP ENG DOZER D9 & < | 1.00 | 48.00 | MH | 39.120 | 4,692 | | | | | 4,692 |
| OFELL | OP ENG FE LDR <6 CY G | 1.00 | 48.00 | MH | 39.570 | 4,731 | | | | | 4,731 |
| OGRADE | OP ENG GRADECHECKE | 1.00 | 48.00 | MH | 36.610 | 4,475 | | | | | 4,475 |
| $48,685.72 | 7.5000 MH/HR | | 360.00 | MH | [ 448.932 ] | 33,719 | 14,967 | | | | 48,686 |
| | 7.5000 MH/Unit | | 1.0000 | Units/Hr | | 702.48 | 311.80 | | | | 1,014.29 |
| ======> **Item Totals:** | **50000 - 72 HR Closure** | | | | | | | | | | |
| $99,588.06 | 720.0000 MH/LS | | 720.00 | MH | [ 43136.81 ] | 67,483 | 32,105 | | | | **99,588** |
| 99,588.060 | 1 LS | | | | | 67,483.31 | 32,104.75 | | | | 99,588.06 |
| **BID ITEM = 60000** | | | | Land Item | SCHEDULE: 1 100 | | | | | | |
| Description = | Box Culvert | | | | Unit = LS | Takeoff Quan: | | 1.000 | Engr Quan: | | 1.000 |
| **35009610** | **Buy Grout** | | | | **Quan: 5.00 CY** | **Hrs/Shft: 8.00** | | **Cal: 508** | **WC: WA0201** | | |
| | | | | | | | | | | | **Unreviewed |
| Use 5 cy for a short load. | | | | | | | | | | | |
| 2CONC10 | CONCRETE-10 SACK @1 | 1.00 | 5.00 | CY | 150.000 | | | | 980 | | 980 |
| 5CONPCY3942 | CY RATE 39-42 MET@10 | 1.00 | 5.00 | CY | 2.750 | | | 18 | | | 18 |
| 5CONPHR42M | 42 METER PUMP@108% | 1.00 | 4.00 | HR | 145.000 | | | 758 | | | 758 |
| $1,756.01 | | | | | [ ] | | | 776 | 980 | | 1,756 |
| | | | | | | | | 155.18 | 196.02 | | 351.20 |
| **35009631** | **Set Box** | | | | **Quan: 1.00 LS** | **Hrs/Shft: 12.00** | | **Cal: 612** | **WC: WA0201** | | |
| | | | | | | | | | | | **Unreviewed |
| Assume 4 hour to set bottom of box. | | | | | | | | | | | |
| LAB6 | 6 MAN LABOR CREW | | | 4.00 CH | **Prod: 0.3333 S** | | | Lab Pcs: 6.00 | | Eqp Pcs: | 0.00 |
| LCOM | LABORER, COMMON G# | 5.00 | 20.00 | MH | 34.420 | 1,585 | | | | | 1,585 |
| LFM | LABORER FOREMAN | 1.00 | 4.00 | MH | 36.920 | 335 | | | | | 335 |
| $1,920.42 | 24.0000 MH/LS | | 24.00 | MH | [ 1318.18 ] | 1,920 | | | | | 1,920 |
| | 24.0000 MH/Unit | | 0.2500 | Units/Hr | | 1,920.42 | | | | | 1,920.42 |
| **35009635** | **Grout Box** | | | | **Quan: 1.00 LS** | **Hrs/Shft: 12.00** | | **Cal: 612** | **WC: WA0201** | | |
| | | | | | | | | | | | **Unreviewed |
| Assume 4 hours to grout and cleanup. | | | | | | | | | | | |
| LAB6 | 6 MAN LABOR CREW | | | 4.00 CH | **Prod: 0.3333 S** | | | Lab Pcs: 6.00 | | Eqp Pcs: | 2.00 |
| 8AC375 | COMPRESSOR PORT 375 | 1.00 | 4.00 | HR | 25.575 | | 134 | | | | 134 |
| 8WELD400D | WELDER 400 AMP | 1.00 | 4.00 | HR | 12.520 | | 65 | | | | 65 |
| LCOM | LABORER, COMMON G# | 5.00 | 20.00 | MH | 34.420 | 1,585 | | | | | 1,585 |
| LFM | LABORER FOREMAN | 1.00 | 4.00 | MH | 36.920 | 335 | | | | | 335 |
| $2,119.53 | 24.0000 MH/LS | | 24.00 | MH | [ 1318.18 ] | 1,920 | 199 | | | | 2,120 |
| | 24.0000 MH/Unit | | 0.2500 | Units/Hr | | 1,920.42 | 199.11 | | | | 2,119.53 |
| **35009640** | **Set Top** | | | | **Quan: 1.00 LS** | **Hrs/Shft: 12.00** | | **Cal: 612** | **WC: WA0201** | | |
| | | | | | | | | | | | **Unreviewed |
| Assume 4 hours to set top. | | | | | | | | | | | |
| 6 man crew for 1 12hr shift to set bottome, top and grout. | | | | | | | | | | | |
| LAB6 | 6 MAN LABOR CREW | | | 4.00 CH | **Prod: 0.3333 S** | | | Lab Pcs: 6.00 | | Eqp Pcs: | 0.00 |
| LCOM | LABORER, COMMON G# | 5.00 | 20.00 | MH | 34.420 | 1,585 | | | | | 1,585 |
| LFM | LABORER FOREMAN | 1.00 | 4.00 | MH | 36.920 | 335 | | | | | 335 |
| $1,920.42 | 24.0000 MH/LS | | 24.00 | MH | [ 1318.18 ] | 1,920 | | | | | 1,920 |
| | 24.0000 MH/Unit | | 0.2500 | Units/Hr | | 1,920.42 | | | | | 1,920.42 |

| Activity / Resource | Desc | Pcs | Quantity | Unit | Unit Cost | Labor | Equip. All Costs | Expend. Matls. | Perm. Matls. | Sub Contract | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **BID ITEM = 60000** | | | | Land Item | SCHEDULE: 1 100 | | | | | | |
| Description = Box Culvert | | | | | Unit = LS | Takeoff Quan: | 1.000 | | Engr Quan: | | 1.000 |
| **35009696** | **Equipment Support** | | | | **Quan: 1.00 LS** | **Hrs/Shft: 8.00** | | **Cal: 508** | **WC: WA0201** | | |
| | | | | | | | | | | | **Unreviewed |
| 5CR300 | 300 TON CRANE REN@1 | 1.00 | 12.00 | HR | 545.000 | | | 8,546 | | | 8,546 |
| 5CR300MOB | 300 TON CRANE MOB@ | 1.00 | 1.00 | EA | 15,000.000 | | | 19,602 | | | 19,602 |
| 5CR300OSMOB | 300 TON CRANE ONS@1 | 1.00 | 1.00 | EA | 4,000.000 | | | 5,227 | | | 5,227 |
| $33,375.67 | | | | | [ ] | | | 33,376 | | | 33,376 |
| | | | | | | | | 33,375.67 | | | 33,375.67 |
| **=====> Item Totals:** | **60000** | **- Box Culvert** | | | | | | | | | |
| $41,092.05 | 72.0000 MH/LS | | 72.00 | MH | [ 3954.54 ] | 5,761 | 199 | 34,152 | 980 | | **41,092** |
| 41,092.050 | 1 LS | | | | | 5,761.26 | 199.11 | 34,151.58 | 980.10 | | 41,092.05 |
| **BID ITEM = 70000** | | | | Land Item | SCHEDULE: 1 100 | | | | | | |
| Description = Barrier/MBGR | | | | | Unit = LS | Takeoff Quan: | 1.000 | | Engr Quan: | | 1.000 |
| **60010115** | **F&I MBGR** | | | | **Quan: 1.00 LS** | **Hrs/Shft: 8.00** | | **Cal: 508** | **WC: WA0201** | | |
| | | | | | | | | | | | **Unreviewed |
| Still need final quantities | | | | | | | | | | | |
| Assume 4 flared end sections | | | | | | | | | | | |
| 4FLARET | Flared End@108% | 1.00 | 4.00 | EA | 3,500.000 | | | | | 16,632 | 16,632 |
| **60010117** | **F&I Barrier** | | | | **Quan: 1.00 LS** | **Hrs/Shft: 8.00** | | **Cal: 508** | **WC: WA0201** | | |
| | | | | | | | | | | | **Unreviewed |
| Still need final quantities | | | | | | | | | | | |
| Assume 60' of type 2. | | | | | | | | | | | |
| 4BARTY2 | F&I Type 2 Barrie@108% | 1.00 | 60.00 | LF | 50.000 | | | | | 3,564 | 3,564 |
| **=====> Item Totals:** | **70000** | **- Barrier/MBGR** | | | | | | | | | |
| $20,196.00 | | | | | [ ] | | | | | 20,196 | **20,196** |
| 20,196.000 | 1 LS | | | | | | | | | 20,196.00 | 20,196.00 |
| **BID ITEM = 75000** | | | | Land Item | SCHEDULE: 1 100 | | | | | | |
| Description = HMA | | | | | Unit = LS | Takeoff Quan: | 1.000 | | Engr Quan: | | 1.000 |
| **18000001** | **HMA** | | | | **Quan: 150.00 TON** | **Hrs/Shft: 8.00** | | **Cal: 508** | **WC: WA0201** | | |
| | | | | | | | | | | | **Unreviewed |
| Guess on the tonage for now. | | | | | | | | | | | |
| 4HMAM | Mob HMA@108% | 1.00 | 1.00 | LS | 5,000.000 | | | | | 5,940 | 5,940 |
| 4HMAT | HMA@108% | 1.00 | 150.00 | TON | 110.000 | | | | | 19,602 | 19,602 |
| $25,542.00 | | | | | [ ] | | | | | 25,542 | 25,542 |
| | | | | | | | | | | 170.28 | 170.28 |
| **=====> Item Totals:** | **75000** | **- HMA** | | | | | | | | | |
| $25,542.00 | | | | | [ ] | | | | | 25,542 | **25,542** |
| 25,542.000 | 1 LS | | | | | | | | | 25,542.00 | 25,542.00 |
| **BID ITEM = 80000** | | | | Land Item | SCHEDULE: 1 100 | | | | | | |
| Description = Traffic Control | | | | | Unit = LS | Takeoff Quan: | 1.000 | | Engr Quan: | | 1.000 |

| Activity / Resource | Desc | Pcs | Quantity | Unit | Unit Cost | Labor | Equip. All Costs | Expend. Matls. | Perm. Matls. | Sub Contract | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **BID ITEM = 80000** | | | | Land Item | SCHEDULE: 1 100 | | | | | | |
| Description = Traffic Control | | | | | Unit = LS | Takeoff Quan: | 1.000 | | Engr Quan: | | 1.000 |
| **15001005** | **Buy Traffic Control Matl** | | | | **Quan: 1.00 LS** | **Hrs/Shft: 8.00** | | **Cal: 508** | **WC: WA0201** | | |
| | | | | | | | | | | | **Unreviewed |
| At this point we don't know what we need. | | | | | | | | | | | |
| Below are plug pricing for different material. | | | | | | | | | | | |
| For now we will plug | | | | | | | | | | | |
| 3 PCMS | | | | | | | | | | | |
| 100 Drums | | | | | | | | | | | |
| 10 Type 3 | | | | | | | | | | | |
| 3TCBRL | TC BARRELS@108% | 1.00 | 100.00 | EA | 60.000 | | | 7,841 | | | 7,841 |
| 3TCBRLLGT | TC BARREL LIGHTS@10 | 1.00 | 1.00 | EA | 20.000 | | | 26 | | | 26 |
| 3TCBRLLGTBAT | TC BARREL LIGHT B@1 | 1.00 | 1.00 | EAMO | 2.000 | | | 3 | | | 3 |
| 3TCCLBSIGN | TC CLASS B SIGNS@108 | 1.00 | 1.00 | SF | 10.000 | | | 13 | | | 13 |
| 3TCFLGSTA | TC FLAGGING STATI@1 | 1.00 | 1.00 | EA | 2,000.000 | | | 2,614 | | | 2,614 |
| 3TCPCMS | TC PCMS@108% | 1.00 | 3.00 | EAMO | 1,000.000 | | | 3,920 | | | 3,920 |
| 3TCSIGNSTND | TC SIGN STANDS@108% | 1.00 | 1.00 | EA | 100.000 | | | 131 | | | 131 |
| 3TCSPECSIGN | TC SPECIAL SIGNS@108 | 1.00 | 1.00 | SF | 15.000 | | | 20 | | | 20 |
| 3TCTY2BAR | TC TYPE 2 BARRICA@10 | 1.00 | 1.00 | EA | 50.000 | | | 65 | | | 65 |
| 3TCTY3BAR | TC TYPE 3 BARRICA@10 | 1.00 | 10.00 | EA | 150.000 | | | 1,960 | | | 1,960 |
| 3TCWHITES | WHITE SUITS FOR T@10 | 1.00 | 1.00 | EA | 50.000 | | | 65 | | | 65 |
| $16,657.78 | | | | | [ ] | | | 16,658 | | | 16,658 |
| | | | | | | | | 16,657.78 | | | 16,657.78 |
| **15001045** | **Flagging/Spotting** | | | | **Quan: 72.00 MH** | **Hrs/Shft: 12.00** | | **Cal: 612** | **WC: WA0201** | | |
| | | | | | | | | | | | **Unreviewed |
| Assume a 4 person crew during closuer | | | | | | | | | | | |
| 1 TCS and 3 Labs | | | | | | | | | | | |
| TCFLAG | TC - FLAGGING | | | 72.00 CH | **Prod: 6.0000 S** | | | Lab Pcs: 4.00 | | Eqp Pcs: | 2.00 |
| 8GENLI | ENG DRIVEN LITE TOW | 1.00 | 72.00 | HR | 11.718 | | 1,021 | | | | 1,021 |
| 8TRPU450 | FLATRACK, BAREBED | 1.00 | 72.00 | HR | 16.167 | | 1,408 | | | | 1,408 |
| LCOM | LABORER, COMMON G# | 1.00 | 72.00 | MH | 34.420 | 5,707 | | | | | 5,707 |
| LFLAGGER | LABORER, FLAGGER G# | 2.00 | 144.00 | MH | 27.530 | 9,630 | | | | | 9,630 |
| LFM | LABORER FOREMAN | 1.00 | 72.00 | MH | 36.920 | 6,031 | | | | | 6,031 |
| $23,797.75 | 4.0000 MH/MH | | 288.00 | MH | [ 199.287 ] | 21,368 | 2,429 | | | | 23,798 |
| | 4.0000 MH/Unit | | 1.0000 | Units/Hr | | 296.78 | 33.74 | | | | 330.52 |
| **=====> Item Totals: 80000 - Traffic Control** | | | | | | | | | | | |
| $40,455.53 | 288.0000 MH/LS | | 288.00 | MH | [ 14348.65 ] | 21,368 | 2,429 | 16,658 | | | **40,456** |
| 40,455.530 | 1 LS | | | | | 21,368.44 | 2,429.31 | 16,657.78 | | | 40,455.53 |
| **PARENT ITEM = 999000** | | | | | | | | | | | |
| Description = Project Indirects | | | | | Unit = LS | Takeoff Quan: | 1.000 | | Engr Quan: | | 1.000 |
| **Listing of Sub-Biditems of Parent Item 999000:** | | | | | | | | | | | |
| **BID ITEM = 999100** | | | | Land Item | SCHEDULE: 1 100 | | | | | | |
| Description = SUPERVISION/PROJECT MGMT | | | | | Unit = LS | Takeoff Quan: | 1.000 | | Engr Quan: | | 0.000 |
| **010005** | **Supervision** | | | | **Quan: 1.00 MO** | **Hrs/Shft: 8.00** | | **Cal: 508** | **WC: WA4900** | | |
| | | | | | | | | | | | **Unreviewed **Summ Code: TRO |
| SACONMGR | ==> | 1.00 | 0.50 | MO | 17,137.000 | 11,053 | | | | | 11,053 |
| SASU | ==> | 1.00 | 0.00 | MO | 11,259.000 | | | | | | |
| SASUGEN | ==> | 1.00 | 0.50 | MO | 13,148.000 | 8,480 | | | | | 8,480 |
| $19,533.83 | | | | | [ ] | 19,534 | | | | | 19,534 |
| | | | | | | 19,533.83 | | | | | 19,533.83 |

| Activity / Resource | Desc | Pcs | Quantity | Unit | Unit Cost | Labor | Equip. All Costs | Expend. Matls. | Perm. Matls. | Sub Contract | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **BID ITEM = 999100** | | | | Land Item | SCHEDULE: 1 | 100 | | | | | |
| Description = SUPERVISION/PROJECT MGMT | | | | Unit = | LS | Takeoff Quan: | 1.000 | Engr Quan: | | | 0.000 |
| **010007** | **Field Office Manager** | | | **Quan:** | **1.00 MO** | **Hrs/Shft:** | **8.00** | **Cal: 508** | **WC: WA4900** | | |
| | | | | | | | | | **Unreviewed **Summ Code: TRO | | |
| SAADMIN | ==> | 1.00 | 1.00 MO | 4,509.000 | | 5,817 | | | | | 5,817 |
| SABUSMGR | ==> | 1.00 | 0.00 MO | 11,259.000 | | | | | | | |
| SAFOM | ==> | 1.00 | 0.00 MO | 6,095.000 | | | | | | | |
| SAPURCH | ==> | 1.00 | 0.00 MO | 11,259.000 | | | | | | | |
| $5,816.61 | | | | [ ] | | 5,817 | | | | | 5,817 |
| | | | | | | 5,816.61 | | | | | 5,816.61 |
| **=====> Item Totals:** | **999100** | **- SUPERVISION/PROJECT MGMT** | | | | | | | | | |
| $25,350.44 | | | | [ ] | | 25,350 | | | | | **25,350** |
| 25,350.440 | | 1 LS | | | | 25,350.44 | | | | | 25,350.44 |
| **BID ITEM = 999150** | | | | Land Item | SCHEDULE: 1 | 100 | | | | | |
| Description = ENGINEERING | | | | Unit = | LS | Takeoff Quan: | 1.000 | Engr Quan: | | | 0.000 |
| **010101** | **General Sitework Engineering** | | | **Quan:** | **1.00 MO** | **Hrs/Shft:** | **8.00** | **Cal: 508** | **WC: WA4900** | | |
| | | | | | | | | | **Unreviewed **Summ Code: TRO | | |
| SAEN | ==> | 1.00 | 0.00 MO | 11,259.000 | | | | | | | |
| SAENF | ==> | 1.00 | 0.00 MO | 9,909.000 | | | | | | | |
| SAENST | ==> | 1.00 | 0.50 MO | 13,148.000 | | 8,480 | | | | | 8,480 |
| $8,480.46 | | | | [ ] | | 8,480 | | | | | 8,480 |
| | | | | | | 8,480.46 | | | | | 8,480.46 |
| **=====> Item Totals:** | **999150** | **- ENGINEERING** | | | | | | | | | |
| $8,480.46 | | | | [ ] | | 8,480 | | | | | **8,480** |
| 8,480.460 | | 1 LS | | | | 8,480.46 | | | | | 8,480.46 |
| **BID ITEM = 999200** | | | | Land Item | SCHEDULE: 1 | 100 | | | | | |
| Description = ADMIN FACILITIES & SUPPLIES | | | | Unit = | LS | Takeoff Quan: | 1.000 | Engr Quan: | | | 0.000 |
| **010204** | **Communication (TRO)** | | | **Quan:** | **1.00 MO** | **Hrs/Shft:** | **8.00** | **Cal: 508** | **WC: WA0201** | | |
| | | | | | | | | | **Unreviewed **Summ Code: TRO | | |
| 1ITCLMO | Cellular Phone Monthly | 1.00 | 6.00 MMO | 100.000 | | | 726 | | | | 726 |
| 1ITDPMO | Desk Phone Monthly | 1.00 | 0.00 MO | 800.000 | | | | | | | |
| 1ITHJMB | HeavyJob Mobile Subscripti | 1.00 | 4.00 MMO | 10.000 | | | 48 | | | | 48 |
| 1ITINDS | DSL/Cable Internet | 1.00 | 0.00 MO | 250.000 | | | | | | | |
| 1ITINT1 | T-1 Connection | 1.00 | 0.00 MO | 1,500.000 | | | | | | | |
| $774.40 | | | | [ ] | | | 774 | | | | 774 |
| | | | | | | | 774.40 | | | | 774.40 |
| **010205** | **Jobsite Sheds / Storage** | | | **Quan:** | **5.00 EA** | **Hrs/Shft:** | **8.00** | **Cal: 508** | **WC: WA0201** | | |
| | | | | | | | | | **Unreviewed **Summ Code: FOH | | |
| One shed for each crew. | | | | | | | | | | | |
| 1YDSH | Yard/Job Shacks and Sheds | 1.00 | 2.00 EA | 2,000.000 | | | 4,840 | | | | 4,840 |
| **010207** | **Motor Vehicle Expenses** | | | **Quan:** | **1.00 MO** | **Hrs/Shft:** | **8.00** | **Cal: 508** | **WC: WA0201** | | |
| | | | | | | | | | **Unreviewed **Summ Code: TRO | | |
| 3 CPOs for .5 months = 1.5 months | | | | | | | | | | | |
| 4 crew trucks for .5 months = 2 months | | | | | | | | | | | |
| 8TRPU150M | C.P.O. VEHICLES - MO R | 1.00 | 1.50 MO | 1,300.000 | | 2,360 | | | | | 2,360 |
| 8TRPU450M | FIELD TRUCKS - MO RE | 1.00 | 2.00 MO | 1,500.000 | | 3,630 | | | | | 3,630 |
| $5,989.50 | | | | [ ] | | 5,990 | | | | | 5,990 |

| Activity / Resource | Desc | Quantity Pcs | Quantity Unit | Unit Cost | Equip. Labor All Costs | Expend. Matls. | Perm. Matls. | Sub Contract | Total |
|---|---|---|---|---|---|---|---|---|---|
| **BID ITEM = 999200** | | | | Land Item | SCHEDULE: 1 100 | | | | |
| Description = | ADMIN FACILITIES & SUPPLIES | | | Unit = LS | Takeoff Quan: 1.000 | | Engr Quan: 0.000 | | |
| | | | | | 5,989.50 | | | | 5,989.50 |
| **=====> Item Totals: 999200 - ADMIN FACILITIES & SUPPLIES** | | | | | | | | | |
| $11,603.90 | | | | [ ] | 5,990 | 5,614 | | | **11,604** |
| 11,603.900 | | 1 | LS | | 5,989.50 | 5,614.40 | | | 11,603.90 |
| **BID ITEM = 999300** | | | | Land Item | SCHEDULE: 1 100 | | | | |
| Description = | SAFETY | | | Unit = LS | Takeoff Quan: 1.000 | | Engr Quan: 0.000 | | |
| **010301** | **Job Safety Expenses** | | | **Quan: 1.00 LS** | **Hrs/Shft: 8.00** | **Cal: 508** | **WC: WA0201** | | |
| | | | | | | | | | **Unreviewed **Summ Code: FOH |
| 3SAFEFALL | SAFETY FALL PROT.@1 | 1.00 | 1.00 EA | 10,000.000 | | 13,068 | | | 13,068 |
| 3SAFESUPP | SAFETY SUPPLIES@108 | 1.00 | 1.00 MH | 0.500 | | 1 | | | 1 |
| $13,068.65 | | | | [ ] | | 13,069 | | | 13,069 |
| | | | | | | 13,068.65 | | | 13,068.65 |
| **010305** | **Medical Exam / Drug Test** | | | **Quan: 10.00 EA** | **Hrs/Shft: 8.00** | **Cal: 508** | **WC: WA0201** | | |
| | | | | | | | | | **Unreviewed **Summ Code: FOH |
| 1MD | Medical Exams/Drug Testin | 1.00 | 10.00 EA | 100.000 | | 1,210 | | | 1,210 |
| **=====> Item Totals: 999300 - SAFETY** | | | | | | | | | |
| $14,278.65 | | | | [ ] | | 14,279 | | | **14,279** |
| 14,278.650 | | 1 | LS | | | 14,278.65 | | | 14,278.65 |
| **BID ITEM = 999400** | | | | Land Item | SCHEDULE: 1 100 | | | | |
| Description = | CLEAN-UP | | | Unit = LS | Takeoff Quan: 1.000 | | Engr Quan: 0.000 | | |
| **010402** | **Dumpster Service** | | | **Quan: 1.00 MO** | **Hrs/Shft: 8.00** | **Cal: 508** | **WC: WA0201** | | |
| | | | | | | | | | **Unreviewed **Summ Code: TRO |
| 1CUMO | Debris Box/Monthly Trash | 1.00 | 3.00 MO | 1,000.000 | | 3,630 | | | 3,630 |
| 1CUSKIP | Skip Box Purchase | 1.00 | 1.00 EA | 2,000.000 | | 2,420 | | | 2,420 |
| $6,050.00 | | | | [ ] | | 6,050 | | | 6,050 |
| | | | | | | 6,050.00 | | | 6,050.00 |
| **010404** | **Final Clean-Up** | | | **Quan: 10.00 HR** | **Hrs/Shft: 8.00** | **Cal: 508** | **WC: WA0201** | | |
| | | | | | | | | | **Unreviewed **Summ Code: FOH |
| 1CUFN | Final Clean-Up | 1.00 | 1,000.00 LS | 1.000 | | 1,210 | | | 1,210 |
| **=====> Item Totals: 999400 - CLEAN-UP** | | | | | | | | | |
| $7,260.00 | | | | [ ] | | 7,260 | | | **7,260** |
| 7,260.000 | | 1 | LS | | | 7,260.00 | | | 7,260.00 |
| **BID ITEM = 999500** | | | | Land Item | SCHEDULE: 1 100 | | | | |
| Description = | JOBSITE WORK REQUIREMENTS | | | Unit = LS | Takeoff Quan: 1.000 | | Engr Quan: 0.000 | | |
| **010514** | **Small Tools & Supplies** | | | **Quan: 1.00 LS** | **Hrs/Shft: 8.00** | **Cal: 508** | **WC: WA0201** | | |
| | | | | | | | | | **Unreviewed **Summ Code: FOH |
| | *There are no cost resources for this activity.* | | | | | | | | |
| **010531** | **Drinking Water** | | | **Quan: 1.00 MO** | **Hrs/Shft: 8.00** | **Cal: 508** | **WC: WA0201** | | |
| | | | | | | | | | **Unreviewed **Summ Code: TRO |

| Activity / Resource | Desc | Pcs | Quantity | Unit | Unit Cost | Equip. / Labor / All Costs | Expend. Matls. | Perm. Matls. | Sub Contract | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **BID ITEM = 999500** | | | | | Land Item | SCHEDULE: 1 100 | | | | |
| Description = | JOBSITE WORK REQUIREMENTS | | | | Unit = LS | Takeoff Quan: | 1.000 | Engr Quan: | | 0.000 |
| 1SPH2 | Drinking Water | 1.00 | 1.00 | MO | 300.000 | | 363 | | | 363 |
| =====> **Item Totals:** | **999500** | **- JOBSITE WORK REQUIREMENTS** | | | | | | | | |
| $363.00 | | | | | [ ] | | 363 | | | **363** |
| 363.000 | | | 1 | LS | | | 363.00 | | | 363.00 |
| **BID ITEM = 999600** | | | | | Land Item | SCHEDULE: 1 100 | | | | |
| Description = | TEMP. UTILITIES | | | | Unit = LS | Takeoff Quan: | 1.000 | Engr Quan: | | 0.000 |
| **010607** | **Temp Toilets** | | | | **Quan:** | **1.00 EAM Hrs/Shft: 8.00 Cal: 508 WC: WA0201** | | | | ****Unreviewed **Summ Code: TRO** |
| 1UTPT | Portable Toilets | 1.00 | 5.00 | EAMO | 75.000 | | 454 | | | 454 |
| =====> **Item Totals:** | **999600** | **- TEMP. UTILITIES** | | | | | | | | |
| $453.75 | | | | | [ ] | | 454 | | | **454** |
| 453.750 | | | 1 | LS | | | 453.75 | | | 453.75 |
| **BID ITEM = 999700** | | | | | Land Item | SCHEDULE: 1 100 | | | | |
| Description = | BONDS, INSURANCE, PERMITS, FEES | | | | Unit = LS | Takeoff Quan: | 1.000 | Engr Quan: | | 0.000 |
| **010701** | **Bonds - General Contractor** | | | | **Quan:** | **1.00 LS Hrs/Shft: 8.00 Cal: 508 WC: WA0201** | | | | ****Unreviewed **Summ Code: FOH** |
| 1BIPP | P&P Bond | 1.00 | 1.00 | LS | 1.000 | | 1 | | | 1 |
| **010702** | **Bonds - Subcontractors** | | | | **Quan:** | **1.00 LS Hrs/Shft: 8.00 Cal: 508 WC: WA0201** | | | | ****Unreviewed **Summ Code: FOH** |
| | *There are no cost resources for this activity.* | | | | | | | | | |
| **010703** | **Builder's Risk Insurance** | | | | **Quan:** | **1.00 LS Hrs/Shft: 8.00 Cal: 508 WC: WA0201** | | | | ****Unreviewed **Summ Code: FOH** |
| 1BIBR | Builder's Risk Insurance | 1.00 | 1.00 | LS | 1.000 | | 1 | | | 1 |
| **010704** | **Licenses/Permits/Fees** | | | | **Quan:** | **1.00 LS Hrs/Shft: 8.00 Cal: 508 WC: WA0201** | | | | ****Unreviewed **Summ Code: FOH** |
| 1PE | Permitting Expenses | 1.00 | 1.00 | LS | 1.000 | | 1 | | | 1 |
| **010705** | **Taxes** | | | | **Quan:** | **1.00 LS Hrs/Shft: 8.00 Cal: 508 WC: WA0201** | | | | ****Unreviewed **Summ Code: FOH** |
| 1BIBOLO | Local B&O Tax | 1.00 | 1.00 | LS | 1.000 | | 1 | | | 1 |
| 1BIBOST | State B&O Tax | 1.00 | 1.00 | LS | 1.000 | | 1 | | | 1 |
| $2.42 | | | | | [ ] | | 2 | | | 2 |
| | | | | | | | 2.42 | | | 2.42 |
| **010706** | **Insurance gain/Loss** | | | | **Quan:** | **1.00 LS Hrs/Shft: 8.00 Cal: 508 WC: WA0201** | | | | ****Unreviewed **Summ Code: FOH** |
| | *There are no cost resources for this activity.* | | | | | | | | | |
| **010707** | **Legal Fees** | | | | **Quan:** | **1.00 LS Hrs/Shft: 8.00 Cal: 508 WC: WA0201** | | | | ****Unreviewed **Summ Code: FOH** |
| 1LGCO | Legal Counsel | 1.00 | 1.00 | HR | 250.000 | | 303 | | | 303 |
| **010708** | **RR Protective Insurance** | | | | **Quan:** | **1.00 LS Hrs/Shft: 8.00 Cal: 508 WC: WA0201** | | | | ****Unreviewed **Summ Code: FOH** |
| 1BIRR | RR Insurance | 1.00 | 1.00 | LS | 1.000 | | 1 | | | 1 |

| Activity / Resource | Desc | Pcs | Quantity | Unit | Unit Cost | Labor | Equip. All Costs | Expend. Matls. | Perm. Matls. | Sub Contract | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **BID ITEM = 999700** | | | | Land Item | SCHEDULE: 1 | | 100 | | | | |
| Description = | BONDS, INSURANCE, PERMITS, FEES | | | Unit = | LS | Takeoff Quan: | 1.000 | Engr Quan: | | | 0.000 |
| **010709** | **Tort Claims** | | | **Quan:** | **1.00 LS** | **Hrs/Shft:** | **8.00** | **Cal: 508** | **WC: WA0201** | | |
| | | | | | | | | | **Unreviewed **Summ Code: FOH | | |
| 1LGTO | Tort Claims | 1.00 | 1.00 LS | | 1.000 | | | 1 | | | 1 |
| **010710** | **Owner's Contract Protect Ins** | | | **Quan:** | **1.00 LS** | **Hrs/Shft:** | **8.00** | **Cal: 508** | **WC: WA0201** | | |
| | | | | | | | | | **Unreviewed **Summ Code: FOH | | |
| 1BIOC | OCPI | 1.00 | 1.00 LS | | 1.000 | | | 1 | | | 1 |
| **010713** | **Liability Insurance** | | | **Quan:** | **1.00 LS** | **Hrs/Shft:** | **8.00** | **Cal: 508** | **WC: WA0201** | | |
| | | | | | | | | | **Unreviewed **Summ Code: FOH | | |
| 1BICG | Contractor's General Liabili | 1.00 | 1.00 LS | | 1.000 | | | 1 | | | 1 |
| **010714** | **Project Financing Cost** | | | **Quan:** | **1.00 LS** | **Hrs/Shft:** | **8.00** | **Cal: 508** | **WC: WA0201** | | |
| | | | | | | | | | **Unreviewed **Summ Code: FOH | | |
| | *There are no cost resources for this activity.* | | | | | | | | | | |
| **010715** | **JV Expenses** | | | **Quan:** | **1.00 LS** | **Hrs/Shft:** | **8.00** | **Cal: 508** | **WC: WA0201** | | |
| | | | | | | | | | **Unreviewed **Summ Code: FOH | | |
| | *There are no cost resources for this activity.* | | | | | | | | | | |
| =====> | **Item Totals: 999700 - BONDS, INSURANCE, PERMITS, FEES** | | | | | | | | | | |
| $313.39 | | | | | [ ] | | | 313 | | | **313** |
| 313.390 | | 1 LS | | | | | | 313.39 | | | 313.39 |
| **BID ITEM = 999800** | | | | Land Item | SCHEDULE: 1 | | 100 | | | | |
| Description = | EQUIPMENT | | | Unit = | LS | Takeoff Quan: | 1.000 | Engr Quan: | | | 0.000 |
| **010810** | **Equipment In & Out** | | | **Quan:** | **10.00 EA** | **Hrs/Shft:** | **8.00** | **Cal: 508** | **WC: WA0201** | | |
| | | | | | | | | | **Unreviewed **Summ Code: FOH | | |
| 1EQMB | Small Equipment Mobes | 1.00 | 10.00 EA | | 1,100.000 | | | 13,310 | | | 13,310 |
| **010811** | **Mechanic Expenses** | | | **Quan:** | **1.00 MO** | **Hrs/Shft:** | **8.00** | **Cal: 508** | **WC: WA0201** | | |
| | | | | | | | | | **Unreviewed **Summ Code: TRO | | |
| 8TRMEM | MECHANIC TRUCK - M | 1.00 | 0.50 MO | | 1,800.000 | | 1,089 | | | | 1,089 |
| OEMECH | ==> EQ MECHANIC G#1 | 1.00 | 100.00 MH | | 40.680 | 8,725 | | | | | 8,725 |
| $9,813.89 | 100.0000 MH/MO | | 100.00 MH | | [ 5247.72 ] | 8,725 | 1,089 | | | | 9,814 |
| | 100.0000 MH/Unit | | | | | 8,724.89 | 1,089.00 | | | | 9,813.89 |
| **010812** | **Overhead Equipment** | | | **Quan:** | **1.00 MO** | **Hrs/Shft:** | **8.00** | **Cal: 508** | **WC: WA0201** | | |
| | | | | | | | | | **Unreviewed **Summ Code: TRO | | |
| 8AC185 | ==> COMPRESSOR POR | 1.00 | 80.00 HR | | 15.886 | | 1,538 | | | | 1,538 |
| 8COVIB | ==> COMPACT HAND VI | 1.00 | 80.00 HR | | 12.513 | | 1,211 | | | | 1,211 |
| 8FK9KM | FORKLIFT 9K - MO REN | 1.00 | 0.50 MO | | 2,550.000 | | 1,543 | | | | 1,543 |
| 8GENLI | ==> ENG DRIVEN LITE T | 1.00 | 160.00 HR | | 11.718 | | 2,269 | | | | 2,269 |
| 8MIWAG | WATER BUFFALO | 1.00 | 80.00 HR | | 25.000 | | 2,420 | | | | 2,420 |
| 8TRWA4 | ==> WATER TRUCK 400 | 1.00 | 80.00 HR | | 63.375 | | 6,625 | | | | 6,625 |
| $15,605.81 | | | | | [ ] | | 15,606 | | | | 15,606 |
| | | | | | | | 15,605.81 | | | | 15,605.81 |
| **010813** | **Equipment Adjustment** | | | **Quan:** | **1.00 LS** | **Hrs/Shft:** | **8.00** | **Cal: 508** | **WC: WA0201** | | |
| | | | | | | | | | **Unreviewed **Summ Code: FOH | | |
| | *There are no cost resources for this activity.* | | | | | | | | | | |
| **010814** | **Damaged Equipment** | | | **Quan:** | **1.00 LS** | **Hrs/Shft:** | **8.00** | **Cal: 508** | **WC: WA0201** | | |
| | | | | | | | | | **Unreviewed **Summ Code: FOH | | |
| | *There are no cost resources for this activity.* | | | | | | | | | | |

| Activity / Resource | Desc | Quantity Pcs | Unit | Unit Cost | Labor | Equip. All Costs | Expend. Matls. | Perm. Matls. | Sub Contract | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **BID ITEM = 999800** | | | | Land Item | SCHEDULE: 1 100 | | | | | |
| Description = EQUIPMENT | | | | Unit = LS | Takeoff Quan: | 1.000 | | Engr Quan: | | 0.000 |
| **=====> Item Totals: 999800** | **- EQUIPMENT** | | | | | | | | | |
| $38,729.70 | 100.0000 MH/LS | 100.00 | MH | [ 5247.72 ] | 8,725 | 16,695 | 13,310 | | | **38,730** |
| 38,729.700 | 1 LS | | | | 8,724.89 | 16,694.81 | 13,310.00 | | | 38,729.70 |
| **BID ITEM = 999900** | | | | Land Item | SCHEDULE: 1 100 | | | | | |
| Description = MISCELLANEOUS | | | | Unit = LS | Takeoff Quan: | 1.000 | | Engr Quan: | | 0.000 |
| **=====> Item Totals: 999900** | **- MISCELLANEOUS** | | | | | | | | | |
| $0.00 | | | | [ ] | | | | | | |
| 0.000 | 1 LS | | | | | | | | | |
| | | | | | **Total of Above Sub-Biditems** | | | | | |
| **=====> Item Totals: 999000** | **- Project Indirects** | | | | | | | | | |
| **$106,833.29** | **100.0000 MH/LS** | **100.00** | **MH** | **[ 5247.72 ]** | **42,556** | **22,684** | **41,593** | | | **106,833** |
| **106,833.290** | **1 LS** | | | | **42,555.79** | **22,684.31** | **41,593.19** | | | **106,833.29** |
| **$740,069.50** | ***** Report Totals ***** | 1,969.00 | MH | | 197,932 | 81,216 | 149,991 | 170,153 | 140,778 | **740,070** |

**>>> indicates Non Additive Activity**
------Report Notes:------
The estimate was prepared with BID Quantities.
This report shows TAKEOFF Quantities with the resources.

"Unreviewed" Activities are marked.

Bid Date: Owner: Engineering Firm:
Estimator-In-Charge:

JOB DOES NOT HAVE NOTES

* on units of MH indicate average labor unit cost was used rather than base rate.
[ ] in the Unit Cost Column = Labor Unit Cost Without Labor Burdens
In equipment resources, rent % and EOE % not = 100% are represented as XXX%YYY where XXX=Rent% and YYY=EOE%
------Calendar Codes------

| | |
|---|---|
| 410 | 4 - 10 HR DAYS |
| **508** | **5 - 8 HR DAYS STD WORK WEEK (Default Calendar)** |
| 509 | 5 - 9 HR DAYS |
| 510 | 5 - 10 HR DAYS |
| 610 | 6 - 10 HR DAYS |
| 612 | 6 - 12 HR DAY |
| S10 | SATURDAY - 10 HR DAY |
| S12 | SATURDAY - 12 HR DAY |
| S8 | SATURDAY - 8 HR DAY |
| SX8 | SAT & SUN - 8 HR DAY |
| W1S | WEEKEND SINGLE SHIFT NIGHTS |
| W2S | WEEKEND WORK ROUND CLOCK |
| X10 | SUNDAY - 10 HR DAY |
| X12 | SUNDAY - 12 HR DAY |

| Activity / Resource | Desc | Pcs | Quantity | Unit | Unit Cost | Labor | Equip. All Costs | Expend. Matls. | Perm. Matls. | Sub Contract | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **BID ITEM** = **999900** | | | | Land Item | SCHEDULE: 1 100 | | | | | | |
| Description = | MISCELLANEOUS | | | Unit = | LS | Takeoff Quan: | | 1.000 | Engr Quan: | | 0.000 |
| X8 | SUNDAY - 8 HR DAY | | | | | | | | | | |