



# Sanford

## Underground Research Facility

### South Dakota Science and Technology Authority

| CONSTRUCTION COST BID SHEET                                            |                                                                                                                                                                                                                                             |             |       | DATE:      |        |           |
|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|------------|--------|-----------|
| PROJ: Industrial/Potable Waterline & Hydrant Replacement: Ross Complex |                                                                                                                                                                                                                                             |             |       |            |        |           |
|                                                                        |                                                                                                                                                                                                                                             |             |       | ESTIMATOR: |        |           |
| LOC                                                                    | Lead, SD                                                                                                                                                                                                                                    | PROJECT NO: |       |            |        |           |
| Contractor:                                                            |                                                                                                                                                                                                                                             |             |       |            |        |           |
| DIV.                                                                   | DESCRIPTION                                                                                                                                                                                                                                 | QUAN        | UNITS | UNIT COST  | X-TEND | SUB-TOTAL |
| <b>01 GENERAL CONDITIONS</b>                                           |                                                                                                                                                                                                                                             |             |       |            |        |           |
|                                                                        | Mobilization                                                                                                                                                                                                                                | 1           | LS    |            |        |           |
|                                                                        | Traffic Control                                                                                                                                                                                                                             | 1           | LS    |            |        |           |
| <b>03 CONCRETE</b>                                                     |                                                                                                                                                                                                                                             |             |       |            |        |           |
|                                                                        | Concrete Vault for Water Meter (Industrial)                                                                                                                                                                                                 | 1           | EA    |            |        |           |
|                                                                        | Saw Cut Rectangular hole in Headframe Basement Wall                                                                                                                                                                                         | 1           | LS    |            |        |           |
|                                                                        | Penetration of Ramp wall(s)                                                                                                                                                                                                                 | 1           | LS    |            |        |           |
| <b>31 EARTHWORK</b>                                                    |                                                                                                                                                                                                                                             |             |       |            |        |           |
|                                                                        | Erosion Control & Maintenance                                                                                                                                                                                                               | 1           | LS    |            |        |           |
|                                                                        | Asphalt Removal                                                                                                                                                                                                                             | 870         | SY    |            |        |           |
|                                                                        | Asphalt Millings Removal                                                                                                                                                                                                                    | 108         | SY    |            |        |           |
|                                                                        | Concrete Removal                                                                                                                                                                                                                            | 143         | SY    |            |        |           |
|                                                                        | SDDOT Base Course below New Asphalt Patch                                                                                                                                                                                                   | 415         | TN    |            |        |           |
|                                                                        | Existing Gravel: Removed, Salvaged, & Reinstalled in gravel areas                                                                                                                                                                           | 437         | TN    |            |        |           |
|                                                                        | Base Course at Removed Concrete Paving areas                                                                                                                                                                                                | 63          | TN    |            |        |           |
|                                                                        | Boring for Water line (30LF - Includes 8" Certa-Lok pipe)                                                                                                                                                                                   | 1           | LS    |            |        |           |
|                                                                        | Trench Waste Haul (assume 1 mi)                                                                                                                                                                                                             | 250         | CY    |            |        |           |
| <b>32 EXTERIOR IMPROVEMENTS</b>                                        |                                                                                                                                                                                                                                             |             |       |            |        |           |
|                                                                        | AC Class E Type 1 Patch                                                                                                                                                                                                                     | 357         | TN    |            |        |           |
|                                                                        | 6" Steel Bollards                                                                                                                                                                                                                           | 10          | EA    |            |        |           |
| <b>33 UTILITIES</b>                                                    |                                                                                                                                                                                                                                             |             |       |            |        |           |
|                                                                        | Abandon Water Main/Service (Industrial water @ existing meter pit west of Hoist; Existing Potable main/service south of Mill/Summit; Postable in Steam Tunnel near Hoist; Potable south of Ross Dry; Any potable in Ramp getting abandoned) | 1           | LS    |            |        |           |
|                                                                        | Remove existing 4" steel pipe in tunnel                                                                                                                                                                                                     | 1           | LS    |            |        |           |
|                                                                        | Remove existing fire hydrant & auxillary valve                                                                                                                                                                                              | 2           | EA    |            |        |           |
|                                                                        | Reconnect 1" Water in Tunnel to New 8" Potable Water                                                                                                                                                                                        | 1           | LS    |            |        |           |
|                                                                        | 8" PVC AWWA C900 Water (Potable) (Shared trench)<br>(Water Alignment 1, station 2+47 to 9+52)                                                                                                                                               | 708         | LF    |            |        |           |
|                                                                        | 6" PVC AWWA C900 Water (Potable) (non-shared trench)<br>(Ross Hoist stub and fire hydrants leads)                                                                                                                                           | 175         | LF    |            |        |           |
|                                                                        | 8" PVC AWWA C900 Water (Potable) (non-shared trench)<br>(Water Alignment 2, Station 0+00 to 5+35; Water Alignment 3, Station 0+00 to 8+52; Water Alignment 4, 0+00 to 3+12)                                                                 | 1681        | LF    |            |        |           |
|                                                                        | 6" PVC AWWA C900 Water (Industrial) (shared trench)<br>(Water Alignment 1, 2+47 to 9+52)                                                                                                                                                    | 705         | LF    |            |        |           |
|                                                                        | 8" Galvanized Steel Water (Potable) in Tunnel                                                                                                                                                                                               | 160         | LF    |            |        |           |
|                                                                        | 6" Galvanized Steel Water (Industrial) in Tunnel                                                                                                                                                                                            | 70          | LF    |            |        |           |
|                                                                        | 8"x8"x8" Grooved Tee (Potable) in Tunnel                                                                                                                                                                                                    | 2           | EA    |            |        |           |
|                                                                        | 6"x6"x6" Grooved Tee (Industrial) in Tunnel                                                                                                                                                                                                 | 1           | EA    |            |        |           |
| DIV.                                                                   | DESCRIPTION                                                                                                                                                                                                                                 | QUAN        | UNITS | UNIT COST  | X-TEND | SUB-TOTAL |
|                                                                        | 4" Gate Valve (Potable) in Tunnel                                                                                                                                                                                                           | 1           | EA    |            |        |           |

[illegible]