COST SUMMARY WORK

| Task description: | | CostSummary | | | | | | |
|-------------------|-----------------|------------------------|-------------------|------------------|-----------------|----------------------------|--------------------|--|
| Site: | CoProp N | No. 1 | Per | mit Action: | New Application | Permit/Job | #: <u>M2023022</u> | |
| <u>P</u>] | ROJECT | IDENTIFIC | ATION | | | | | |
| | Task#: Date: | 000 8/9/2023 ERR | State: County: | Colorado Weld | | Abbreviation: Filename: | None M022-000 | |
| | Age | ncy or organiz | zation name: DF | RMS | | | | |

TASK LIST (DIRECT COSTS)

| Task | | Form | Fleet | Task | |
|--------|--|--------------|--------|--------|----------|
| 1 as k | Description | Used | Size | Hours | Cost |
| 001 | Remove Road Base and Re-grade | LOADER | 1 | 3.81 | \$478 |
| 002 | Backfill 2,800 CY of Oversized Material | LOADER | 1 | 16.98 | \$2,124 |
| 003 | Replace Topsoil (Processing Area) | LOADER | 1 | 22.48 | \$2,813 |
| 004 | Replace Topsoil (Extraction Area) | LOADER | 1 | 56.89 | \$7,117 |
| 005 | Revegetate the Site | REVEGE | 1 | 15.00 | \$16,120 |
| 006 | 20 tons/acre Manure (User Input-\$50/acre) | NA | 1 | 10.00 | \$500 |
| 007 | Mob/Demob Reclamation Equipment | MOBILIZE | 1 | 4.31 | \$4,035 |
| | | <u>SUBTC</u> | DTALS: | 129.47 | \$33,187 |

INDIRECT COSTS

OVERHEAD AND PROFIT:

| Liability insurance: | 2.02 | Total= | \$670 |
|----------------------|-------|------------------------------------|----------|
| Performance bond: | 1.05 | Total= | \$348 |
| Job superintendent: | 0.00 | Total= | \$0 |
| Profit: | 10.00 | Total= | \$3,319 |
| | | TOTALO & P = | \$4,338 |
| | | CONTRACT AMOUNT (direct + O & P) = | \$37,525 |

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

| Financial warranty processing (legal/related costs): | \$0 | Total= | \$0 |
|--|------|----------------------|---------|
| Engineering work and/or contract/bid preparation: | 0.00 | Total= | \$0 |
| Reclamation management and/or administration: | 5.00 | | \$1,876 |
| | | | |
| CONTINGENCY: | 0.00 | Total= | \$0 |
| | | | |
| | | TOTALINDIRECT COST = | \$6,214 |
| | | | |

TOTAL BOND AMOUNT (direct + indirect) = ______\$39,400

| | | Permit Action | : New App | lication | Permit/Job | #: <u>M2023022</u> |
|--|--|--|---|---|---|---|
| PROJECT IDENI | IFICATION | | | | | |
| Task#∙ 001 | | State: Colorad | 0 | | Abbreviation [.] | None |
| Date: $\frac{8/9}{202}$ | 2 <u>3</u> C | ounty: Weld | 0 | | Filename: | M022-001 |
| User: ERR | | | | | | |
| Agencyoro | organization nam | e: DRMS | | | | |
| HOURLY EQUIP | MENT COST | | | | | |
| Basic Machine | e: CAT 950H | | | Horse | nower: | 197 |
| Attachment | 1: ROPS Cab | | | Shift | Basis: 1 | per dav |
| | | | | Data S | Source: | (CRG) |
| ^C ost Breakdown: | | | | | | |
| <u>20st Dicardo wii.</u> | | | Utilization | n % | | |
| Ownership Co | ost/Hour: | \$49.32 | NA | | | |
| Operating Co | ost/Hour: | \$39.80 | 100 | | | |
| Operator Co | ost/Hour: | \$35.97 | NA | | | |
| Total Unit Co | ost/Hour: | \$125.09 | | | | |
| Total Fleet Co | ost/Hour: | \$125.09 | _ | | | |
| MATERIAL OUA | NTITIFS | | | | | |
| | | | | | | |
| | | | | | | |
| Initial volume: | 400 | CCY | Swel | ll factor: | 1.120 | |
| Initial volume: Loose volume: | 400 448 | CCY LCY | Swel | ll factor: | 1.120 | |
| Initial volume: Loose volume: Sour | $\frac{400}{448}$ | CCY LCY volume: Applic | Swel | ll factor: | 1.120 | |
| Initial volume: Loose volume: Sour Source o | 400 448 rce of estimated f estimated swell | CCY LCY volume: Applic ll factor: Cat Har | Swel ation ndbook | ll factor: | 1.120 | |
| Initial volume: Loose volume: Sour Source o | 400 448 rce of estimated swell | CCY LCY volume: Applic ll factor: Cat Har | Swel ation ndbook | ll factor: | 1.120 | |
| Initial volume: Loose volume: Sour Source o | 400 448 cce of estimated of f estimated swell | CCY LCY volume: Applic ll factor: Cat Har | Swel ation ndbook | ll factor: | 1.120 | |
| Initial volume: Loose volume: Sour Source o HOURLY PRODU | 400 448 The of estimated signature of estimated signature CUCTION | CCY LCY volume: Applic Il factor: Cat Har | Swel ation ndbook | ll factor: | 1.120 | minutes |
| Initial volume: Loose volume: Sour Source o HOURLY PRODU oader Cycle Time: | 400 448 rce of estimated well f estimated swell UCTION Unadjuste | CCY LCY volume: Applic Il factor: Cat Har ed Basic Cycle Tim | Swel ation ndbook e (load, dump | ll factor: | 1.120 : <u>0.500</u> | minutes |
| Initial volume: Loose volume: Sour Source o HOURLY PRODU Loader Cycle Time: Cycle Time Fa | 400 448 cce of estimated of f estimated swell UCTION Unadjuste actors | CCY LCY volume: <u>Applic</u> ll factor: <u>Cat Har</u> ed Basic Cycle Tim | Swel ation ndbook e (load, dump | ll factor: | 1.120 : 0.500 Factor (min.) | minutes Source |
| Initial volume: Loose volume: Sour Source o HOURLY PRODU Loader Cycle Time: Cycle Time Fa Ma | 400 448 rce of estimated swel of estimated swel UCTION Unadjuste actors iterial: Mixed | CCY LCY volume: <u>Applic</u> Il factor: <u>Cat Hay</u> ed Basic Cycle Tim material 0.02 | Swel ation ndbook e (load, dump | , maneuver) | 1.120 : 0.500 Factor (min.) 0.020 0.000 | minutes Source (Cat HB) |
| Initial volume: Loose volume: Sour Source o HOURLY PRODU Loader Cycle Time: Cycle Time Fa Ma Stoc | 400 448 Tree of estimated well of estimated swell UCTION Unadjuste Actors Interial: Mixed Skpile: No adj rship: Comm | CCY LCY volume: Applic ll factor: Cat Hat ed Basic Cycle Tim material 0.02 ustment - factor no on ownership of tr | Swel ation ndbook e (load, dump ot applicable 0 ucks and load |), maneuver) | 1.120 : 0.500 Factor (min.) 0.020 0.000 -0.040 | minutes Source (Cat HB) (Cat HB) |
| Initial volume: Loose volume: Sour Source o HOURLY PRODU oader Cycle Time: Cycle Time Fa Ma Stoc Truck Owne Oper | 400 448 The of estimated swell of estimated swell UCTION Unadjuste actors therial: Mixed expile: No adj rship: Comm ation: Const | CCY LCY volume: Applic ll factor: Cat Har ed Basic Cycle Tim material 0.02 ustment - factor no on ownership of tr ant operation -0.04 | Swel ation ndbook e (load, dump ot applicable 0 ucks and load | 0, maneuver) 0.00 lers -0.04 | 1.120 : 0.500 Factor (min.) 0.020 0.000 -0.040 -0.040 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) |
| Initial volume: Loose volume: Source o HOURLY PRODU Loader Cycle Time: Cycle Time Fa Ma Stoc Truck Owne Oper Dump T | 400 448 rce of estimated well of estimated swell UCTION Unadjuste actors tterial: Mixed kpile: No adj rship: Comm ation: Consta arget: Nomin | CCY LCY volume: <u>Applic</u> ll factor: <u>Cat Har</u> ed Basic Cycle Tim <u>material 0.02</u> <u>ustment - factor no on ownership of tr ant operation -0.04</u> al target 0.00 | Swel ation ndbook e (load, dump ot applicable 0 ucks and load |), maneuver) 0, maneuver) 0.00 lers -0.04 | 1.120 : 0.500 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) |
| Initial volume: Loose volume: Sour Source o HOURLY PRODU oader Cycle Time: Cycle Time Fa Ma Stoc Truck Owne Oper Dump T | 400 448 Tree of estimated swell of estimated swell UCTION Unadjuste actors tterial: Mixed expile: No adj rship: Comm ation: Const arget: Nomin | CCY LCY volume: <u>Applic</u> ll factor: <u>Cat Hay</u> ed Basic Cycle Tim material 0.02 ustment - factor no on ownership of tr ant operation -0.04 al target 0.00 Net C | Swel ation ndbook e (load, dump ot applicable 0 ucks and load |), maneuver)), maneuver)).00 lers -0.04 ljustment: | 1.120 : 0.500 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes |
| Initial volume: Loose volume: Sour Source o HOURLY PRODU oader Cycle Time: Cycle Time Fa Ma Stoc Truck Owne Oper Dump T | 400 448 Tree of estimated well of estimated swell UCTION Unadjuste Actors Actor | CCY LCY volume: Applic ll factor: Cat Har ed Basic Cycle Tim material 0.02 ustment - factor no on ownership of tr ant operation -0.04 al target 0.00 Net C Adju | Swel ation ndbook e (load, dump ot applicable 0 ucks and load ycle Time Ad isted Basic Cy |).00 lers -0.04 ljustment: vcle Time: | 1.120 : 0.500 Factor (min.) 0.020 0.000 -0.040 0.000 -0.040 0.000 -0.040 0.000 -0.060 0.440 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| Initial volume: Loose volume: Sour Source o HOURLY PRODU oader Cycle Time: Cycle Time Fa Ma Stoc Truck Owne Oper Dump Ta | 400 448 rce of estimated well of estimated swell UCTION Unadjuste actors tterial: Mixed expile: No adj rship: Comm ation: Consta arget: Nomin | CCY LCY volume: Applic ll factor: Cat Har ed Basic Cycle Tim material 0.02 ustment - factor no on ownership of tr ant operation -0.04 al target 0.00 Net C Adju | Swel ation ndbook e (load, dump ot applicable 0 ucks and load ycle Time Ad sted Basic Cy | ll factor: , maneuver) , maneuver) | 1.120 : 0.500 Factor (min.) 0.020 0.000 -0.040 -0.040 -0.060 0.440 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| Initial volume: Loose volume: Sour Source o IOURLY PRODU oader Cycle Time: Cycle Time Fa Ma Stoc Truck Owne: Oper Dump T | 400 448 rce of estimated well f estimated swell UCTION Unadjuste actors terial: Mixed kpile: No adj rship: Comm ation: Consta arget: Nomin Road Condition | CCY LCY volume: <u>Applic</u> ll factor: <u>Cat Har</u> ed Basic Cycle Tim <u>material 0.02</u> <u>ustment - factor no on ownership of tr ant operation -0.04 al target 0.00 Net C Adju</u> | Swel ation ndbook e (load, dump ot applicable 0 ucks and load ycle Time Ad isted Basic Cy |), maneuver)), maneuver)).00 lers -0.04 ljustment: vcle Time: | 1.120 :: 0.500 Factor (min.) 0.020 0.000 -0.040 -0.040 -0.040 0.000 -0.060 0.440 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| Initial volume: Loose volume: Sour Source o IOURLY PRODU oader Cycle Time: Cycle Time Fa Ma Stoc Truck Owne: Oper Dump T olling Resistance— H | 400 448 Tree of estimated swell of estimated swell UCTION Unadjuste actors terial: Mixed kpile: No adj rship: Comm ation: Consta arget: Nomin Road Condition faul: Rutted d | CCY LCY volume: <u>Applic</u> Il factor: <u>Cat Har</u> ed Basic Cycle Tim <u>material 0.02</u> ustment - factor no on ownership of tr ant operation -0.04 (al target 0.00 Net C Adju <u>s</u> irt, little mainten an | Swel ation ndbook e (load, dump ot applicable 0 ucks and load ycle Time Ad sted Basic Cy ce, no water, |), maneuver)), ma | 1.120 :: 0.500 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.040 0.000 -0.040 0.000 -0.040 0.000 -0.040 0.000 -0.060 0.440 ration 4.0 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| Initial volume: Loose volume: Sour Source o HOURLY PRODU oader Cycle Time: Cycle Time Fa Ma Stoc Truck Owne Oper Dump T Rolling Resistance— H Retu | 400 448 Tree of estimated well of estimated swell UCTION Unadjuste Actors Actor | CCY LCY volume: Applic ll factor: Cat Har ed Basic Cycle Tim material 0.02 ustment - factor no on ownership of tr ant operation -0.04 al target 0.00 Net C Adju <u>s</u> irt, little maintenan | Swel ation ndbook e (load, dump ot applicable 0 ucks and load ycle Time Ad isted Basic Cy ce, no water, ce, no water, | ll factor: o, maneuver) 0.00 lers -0.04 ljustment: ycle Time: 1" tire penet 1" tire penet | 1.120 : 0.500 Factor (min.) 0.020 0.000 -0.040 -0.040 -0.040 0.000 -0.040 0.000 -0.040 0.000 -10.040 0.000 -0.040 0.000 -10.040 0.000 -10.040 0.000 -10.040 0.000 -10.040 0.000 -10.040 0.000 -10.040 0.000 -10.040 0.040 0.040 0.040 0.040 0.040 0.040 0.040 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| Initial volume: Loose volume: Sour Source o HOURLY PRODU Loader Cycle Time: Cycle Time Fa Ma Stoc Truck Owne Oper Dump T Rolling Resistance – H Retu | 400 448 rce of estimated well f estimated swell UCTION Unadjuste actors terial: Mixed kpile: No adj rship: Comm ation: Consti- arget: Nomin Road Condition aul: Rutted d urn: Rutted d | CCY LCY volume: Applic ll factor: Cat Har ed Basic Cycle Tim material 0.02 ustment - factor no on ownership of tr ant operation -0.04 ial target 0.00 Net C Adju s irt, little maintenan irt, little maintenan | Swel ation ndbook e (load, dump ot applicable 0 ucks and load ycle Time Ad sted Basic Cy ce, no water, ce, no water, | ll factor: o, maneuver) 0.00 lers -0.04 ljustment: vcle Time: 1" tire penet 1" tire penet | 1.120 :: 0.500 Factor (min.) 0.020 0.000 -0.040 -0.040 -0.060 0.440 ration 4.0 ration 4.0 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| Initial volume: Loose volume: Source o HOURLY PRODU oader Cycle Time: Cycle Time Fa Ma Stoc Truck Owne: Oper Dump T Rolling Resistance – H Retu | 400 448 Tree of estimated well of estimated swell UCTION Unadjuste actors terial: Mixed kpile: No adj rship: Comm ation: Constr arget: Nomin Road Condition aul: Rutted d urn: Rutted d | CCY LCY volume: <u>Applic</u> ll factor: <u>Cat Har</u> ed Basic Cycle Tim <u>material 0.02</u> ustment - factor no on ownership of tr ant operation -0.04 (al target 0.00 Net C Adju <u>s</u> irt, little maintenan irt, little maintenan | Swel ation ndbook e (load, dump ot applicable 0 ucks and load ycle Time Ad sted Basic Cy ce, no water, ce, no water, | a, maneuver) a, maneuver) b, | 1.120 :: 0.500 Factor (min.) 0.020 0.000 -0.040 -0.040 -0.040 0.000 -0.040 0.000 -0.040 0.000 -0.040 0.000 -0.040 0.000 -0.040 0.000 -0.040 0.000 -0.040 0.000 -0.040 0.000 -0.040 0.000 -0.040 0.000 -0.040 0.000 -0.040 0.000 -0.040 0.000 -0.040 0.000 -0.040 0.000 -0.040 0.000 -0.040 0.0400 0.0400 0.0400 -0.0400 0.0400 0.0400 0.0400 0.0400 0.0400 0.0400 0.0400 0.0400 0.0400 0.0400 0.0400 0.0400 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| Initial volume: Loose volume: Sour Source o HOURLY PRODU oader Cycle Time: Cycle Time Fa Ma Stoc Truck Owne: Oper Dump T Rolling Resistance— H Retu Haul and Return Tim | 400 448 rce of estimated well of estimated swell UCTION Unadjuste actors terial: Mixed kpile: No adj rship: Comm ation: Consta arget: Nomin Road Condition faul: Rutted d urn: Rutted d e Length (feet) | CCY LCY volume: Applic ll factor: Cat Har ed Basic Cycle Tim material 0.02 ustment - factor no on ownership of tr ant operation -0.04 (al target 0.00 Net C Adju <u>s</u> irt, little maintenan irt, little maintenan irt, little maintenan | Swel ation ndbook e (load, dump ot applicable 0 ucks and load ycle Time Ad sted Basic Cy ce, no water, ce, no water, ce, no water, | ll factor: p, maneuver) p, maneuver | 1.120 : 0.500 Factor (min.) 0.020 0.000 -0.040 -0.040 -0.060 0.440 ration 4.0 ration 4.0 Travel Time (minutes) | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| Initial volume: Loose volume: Source o HOURLY PRODU Loader Cycle Time: Cycle Time Fa Ma Stoc Truck Owne Oper Dump T Rolling Resistance – H Retu Haul and Return Tim | 400 448 rce of estimated well of estimated swell UCTION Unadjuste actors terial: Mixed ckpile: No adj rship: Comm ation: Consta arget: Nomin Road Condition aul: Rutted d urn: Rutted d e Length (feet) 700 | CCY LCY volume: Applic ll factor: Cat Har ed Basic Cycle Tim material 0.02 ustment - factor no on ownership of tr ant operation -0.04 ral target 0.00 Net C Adju <u>s</u> irt, little maintenan irt, little maintenan Grade Res. (%) 0.00 | Swel ation ndbook e (load, dump ot applicable 0 ucks and load ycle Time Ad usted Basic Cy ce, no water, ce, no wat | ll factor: o, maneuver) o, maneuver) o, maneuver) lers -0.04 lers -0.04 lijustment: ycle Time: 1" tire penet 1" tire penet Total Res. (%) 4.00 | 1.120 : 0.500 Factor (min.) 0.020 0.000 -0.040 -0.040 -0.060 0.440 ration 4.0 ration 4.0 Travel Time (minutes) 0.6017 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |

| | | Total Travel Tim | ne: 1.1569 | _ minutes |
|---|--|---|----------------------------------|-----------|
| Load Bucket Capacity | | Total Cycle Thi | L. <u>1.3707</u> | |
| Rated Capacity Bucket Fill Factor Adjusted Capacity | 4.30 | LCY (heaped) Loose material - 1/2" to 3/4" LCY | (85 - 90%) 0.875 | |
| Job Condition Correction Site Altitude: <u>4750</u> feet | n Factors | | | |
| Altitude Adj: Job Efficiency: Net Correction: Una A | 1.00 0.83 0.83 djusted Hourly Unit djusted Hourly Unit | Source (CAT HB)(1 shift/day) multiplierProduction:141.37 Production:Production:117.34 Production: | LCY/Hour LCY/Hour LCY/Hour | |
| JOB TIME AND CO | <u>ST</u> | | | |
| Fleet size: | Loader(s) | Totaljob time: | 3.82 | Hours |
| Unit cost: \$1.0 |)66 /LCY | Total job cost: | \$478 | |

| | | Permit Actio | on: <u>New App</u> | olication | Permit/Job | #: <u>M2023022</u> |
|--|---|---|--|---|--|---|
| DO LECT IDENT | TEICATION | | | | | |
| | IFICATION | | | | | |
| Task#: 002 | $\frac{1}{2}$ | State: Colora | ado | | Abbreviation: | None |
| User: ERR | . <u>. </u> | ounty: weid | | | Filename. | IVI022-002 |
| Agencyoro | rganization nam | ne: DRMS | | | | |
| HOURLY EQUIP | MENT COST | - | | | | |
| Basic Machine | e: CAT 950H | | | Horse | epower: | 197 |
| Attachment | 1: ROPS Cab | | - | Shif | t Basis: 1 | per day |
| | | | - | Data | Source: | (CRG) |
| Cost Breakdown: | | | | | | |
| | | | Utilizatio | n % | | |
| Ownership Co | ost/Hour: | \$49.32 | NA | | | |
| Operating Co | ost/Hour: | \$39.80 | 100 | | | |
| Operator Co | ost/Hour: | \$35.97 | NA | | | |
| Total Unit Co | ost/Hour: | \$125.09 | | | | |
| Total Fleet Co | ost/Hour: | \$125.09 | | | | |
| MATERIAL OUA | NTITIES | | | | | |
| Initial volume: | 2 800 | CCV | C Suuc | 11 factor | 1 000 | |
| Initial volume: | 2,800 | | Swe | | 1.000 | |
| Loose volume. | 2,000 | | | | | |
| Sour | ce of estimated | volume: Appl | lication | | | |
| C | τ ος τιπατολις τυρ | ILTACTOR LATE | T111. | | | |
| Source o | of estimated swe | | Iandbook | | | |
| Source o | | | łandbook | | | |
| Source o | <u>UCTION</u> | | Handbook | | | |
| Source o HOURLY PRODU | <u>UCTION</u> Unadjust | ed Basic Cycle Ti | Handbook ime (load, dum | p, maneuver |): <u>0.500</u> | minutes |
| Source o HOURLY PRODU Loader Cycle Time: Cycle Time Fa | UCTION Unadjust | ed Basic Cycle Ti | Handbook ime (load, dum | p, maneuver |): <u>0.500</u> Factor (min.) | minutes |
| Source o HOURLY PRODI Loader Cycle Time: Cycle Time Fa Ma | UCTION Unadjust | ed Basic Cycle Ti material 0.02 | Handbook ime (load, dum | p, maneuver |): <u>0.500</u> Factor (min.) 0.020 | minutes Source (Cat HB) |
| Source o HOURLY PRODU Loader Cycle Time: Cycle Time Fa Ma Stoc | Unadjust unadjust actors terial: Mixed kpile: No adj | ed Basic Cycle Ti material 0.02 justment - factor | Handbook ime (load, dum not applicable (| p, maneuver 0.00 |): 0.500 Factor (min.) 0.020 0.000 | minutes Source (Cat HB) (Cat HB) |
| Source o HOURLY PRODU Loader Cycle Time: Cycle Time Fa Ma Stoc Truck Owne | Unadjust unadjust actors terial: Mixed kpile: No ad rship: Comm | ed Basic Cycle Ti material 0.02 justment - factor | Handbook ime (load, dum not applicable (Trucks and loa | p, maneuver 0.00 ders -0.04 |): 0.500 Factor (min.) 0.020 0.000 -0.040 | minutes Source (Cat HB) (Cat HB) (Cat HB) |
| Source o HOURLY PRODU Loader Cycle Time: Cycle Time Fa Ma Stoc Truck Owne Oper | Unadjust Unadjust actors terial: Mixed kpile: No adjust rship: Comm ation: Const | ed Basic Cycle Ti material 0.02 justment - factor on ownership of ant operation -0.0 | Handbook ime (load, dum not applicable `trucks and load | o, maneuver 0.00 ders -0.04 | r): 0.500 Factor (min.) 0.020 0.000 -0.040 -0.040 -0.040 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) |
| Source o HOURLY PRODU Loader Cycle Time: Cycle Time Fa Ma Stoc Truck Owne Oper Dump T | Unadjust unadjust actors terial: Mixed kpile: No ad rship: Comm ation: Const arget: Nomir | ed Basic Cycle Ti material 0.02 justment - factor ion ownership of ant operation -0.00 | Handbook ime (load, dum not applicable) Trucks and load 4 | p, maneuver 0.00 ders -0.04 | b): 0.500 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) |
| Source o HOURLY PRODU Loader Cycle Time: Cycle Time Fa Ma Stoc Truck Owner Oper Dump T | UCTION Unadjust actors terial: Mixed kpile: No ad rship: Comm ation: Const arget: Nomir | ed Basic Cycle Ti material 0.02 justment - factor ion ownership of ant operation -0.0 hal target 0.00 | Handbook ime (load, dum not applicable) Trucks and load 4 Cycle Time Ad | p, maneuver 0.00 ders -0.04 djustment: |): 0.500 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.440 | minutes Source (Cat HB) |
| Source o HOURLY PRODU Loader Cycle Time: Cycle Time Fa Ma Stoc Truck Owne Oper Dump Ta | Unadjust Unadjust actors tterial: Mixed kpile: No adj rship: Comm ation: Const arget: Nomin | ed Basic Cycle Ti material 0.02 justment - factor ion ownership of ant operation -0.0 hal target 0.00 Net Ad | Handbook ime (load, dum not applicable) Trucks and load 4 Cycle Time Ad ljusted Basic C | p, maneuver 0.00 ders -0.04 djustment: ycle Time: | r): 0.500 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.440 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| Source o HOURLY PRODU Loader Cycle Time: Cycle Time Fa Ma Stoc Truck Owne Oper Dump Ta Rolling Resistance– | Unadjust Unadjust actors terial: Mixed kpile: No ad rship: Comm ation: Const arget: Nomir | ed Basic Cycle Ti material 0.02 justment - factor ion ownership of ant operation -0.0 nal target 0.00 Net Ad | Handbook ime (load, dum not applicable) trucks and load 4 Cycle Time Ad ljusted Basic C | o, maneuver 0.00 ders -0.04 djustment: ycle Time: | b): 0.500 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.440 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| Source o HOURLY PRODU Loader Cycle Time: Cycle Time Fa Ma Stoc Truck Owne: Oper Dump T Rolling Resistance– H | Unadjust Unadjust actors terial: Mixed kpile: No ad rship: Comm ation: Const arget: Nomin Road Condition aul: Rutted d | ed Basic Cycle Ti material 0.02 justment - factor ion ownership of ant operation -0.0 nal target 0.00 Net Ad | Handbook ime (load, dum not applicable) trucks and load Y Cycle Time Ad ljusted Basic C ance, no water. | p, maneuver 0.00 ders -0.04 djustment: ycle Time: 1" tire pene | b): 0.500 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.440 tration 4.0 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| Source o HOURLY PRODU Loader Cycle Time: Cycle Time Fa Ma Stoc Truck Owner Oper Dump T Rolling Resistance – H Retu | UCTION Unadjust actors tterial: Mixed kpile: No ad rship: Comm ation: Const arget: Nomir Road Condition aul: <u>Rutted d</u> | ed Basic Cycle Ti material 0.02 justment - factor ion ownership of ant operation -0.0 hal target 0.00 Net Ad irt, little maintena irt, little maintena | Handbook ime (load, dum not applicable) Trucks and load Y Cycle Time Ad ljusted Basic C ance, no water, ance, no water, | p, maneuver 0.00 ders -0.04 djustment: ycle Time: 1" tire pene 1" tire pene |): 0.500 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.440 tration 4.0 tration 4.0 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| Source o HOURLY PRODU Loader Cycle Time: Cycle Time Fa Ma Stoc Truck Owne Oper Dump Ta Rolling Resistance- H Return Tim | UCTION Unadjust actors tterial: Mixed kpile: No ad rship: Comm ation: Const arget: Nomin Road Condition aul: <u>Rutted d</u> urn: <u>Rutted d</u> | ed Basic Cycle Ti material 0.02 justment - factor ion ownership of ant operation -0.0 nal target 0.00 Net Ad <u>ist</u> irt, little maintena | Handbook ime (load, dum not applicable) trucks and load Y Cycle Time Ad ljusted Basic C ance, no water, ance, no water, | p, maneuver 0.00 ders -0.04 djustment: ycle Time: 1" tire pene 1" tire pene | b): 0.500 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.440 tration 4.0 tration 4.0 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| Source o HOURLY PRODU Loader Cycle Time: Cycle Time Fa Ma Stoc Truck Owne Oper Dump T Rolling Resistance H Retu Haul and Return Tim | UCTION Unadjust actors terial: Mixed kpile: No ad rship: Comm ation: Const arget: Nomin Road Condition aul: Rutted d urn: Rutted d | ed Basic Cycle Ti material 0.02 justment - factor ion ownership of ant operation -0.0 hal target 0.00 Net Ad irt, little maintena irt, little maintena | Handbook ime (load, dum not applicable) Trucks and load Trucks and load Gruces and load Handbook Handbook Handbook Handbook Handbook Handbook Handbook Handbook Handbook Handbook Handbook Handbook | p, maneuver 0.00 ders -0.04 djustment: ycle Time: 1" tire pene 1" tire pene | b): 0.500 Factor (min.) 0.020 0.000 -0.040 -0.040 0.000 -0.060 0.440 tration 4.0 tration 4.0 | minutes (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| Source o HOURLY PRODU Loader Cycle Time: Cycle Time Fa Ma Stoc Truck Owne Oper Dump Ta Rolling Resistance – H Retu Haul and Return Tim | Unadjust Unadjust actors terial: Mixed kpile: No ad rship: Comm ation: Const arget: Nomin Road Condition aul: Rutted d urn: Rutted d e Length (foot) | ed Basic Cycle Ti material 0.02 justment - factor ion ownership of ant operation -0.0 nal target 0.00 Net Ad irt, little maintena irt, little maintena | Handbook ime (load, dum not applicable Trucks and load Trucks and load Upsted Basic C ance, no water, ance, no water, ance, no water, | p, maneuver 0.00 ders -0.04 djustment: ycle Time: 1" tire pene 1" tire pene Total Res | 0.500 Factor (min.) 0.020 0.000 -0.040 -0.040 -0.060 0.440 tration 4.0 tration 4.0 tration 4.0 (minutos) | minutes Source (Cat HB) minutes minutes Source |
| Source o HOURLY PRODU Loader Cycle Time: Cycle Time Fa Ma Stoc Truck Owne Oper Dump T Rolling Resistance H Retu Haul and Return Tim Haul Route: | UCTION Unadjust actors terial: Mixed kpile: No ad rship: Comm ation: Const arget: Nomin Road Condition aul: Rutted d urn: Rutted d <u>e</u> Length (feet) 500 | ed Basic Cycle Ti material 0.02 justment - factor ion ownership of ant operation -0.0 Net Ad irt, little maintena irt, little maintena irt, little maintena (%) | Handbook ime (load, dum not applicable) Trucks and load Trucks and load Upsted Basic C ance, no water, ance, no water, ance, no water, ance, no water, ance, no water, ance, no water, | p, maneuver 0.00 ders -0.04 djustment: ycle Time: 1" tire pene 1" tire pene Total Res (%) 4.00 | 0.500 Factor (min.) 0.020 0.000 -0.040 -0.040 -0.060 0.440 tration 4.0 tration 4.0 tration 4.0 0.020 0.040 0.040 0.040 0.040 0.040 0.040 0.040 0.040 0.04298 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |

| | | TotalTravel | Fime: 0.8263 | minutes |
|--|--------------------|---------------------------|----------------------|---------|
| | | Total Cycle | l'ime: 1.2663 | minutes |
| Load Bucket Capacity | | | | |
| Rated Capacity: | 4.30 | LCY (heaped) | | |
| Bucket Fill Factor: | 0.975 | Sand and gravel (95% - 10 | 0%) 0.975 | |
| Adjusted Capacity: | 4.19 | LCY | | |
| Job Condition Correction Fa Site Altitude: <u>4750</u> feet | <u>ctors</u> | | | |
| | | Source | | |
| Altitude Adj: | 1.00 | (CAT HB) | | |
| Job Efficiency: | 0.83 | (1 shift/day) | | |
| Net Correction: | 0.83 | multiplier | | |
| Unadju | sted Hourly Unit F | Production: <u>198.65</u> | LCY/Hour | |
| Adju Adju | sted Hourly Unit F | $\frac{164.88}{164.88}$ | - LCY/Hour | |
| Aujus | led hourry Fleet F | 1000001011. 104.00 | | |
| JOB TIME AND COST | | | | |
| Fleet size: 1 | Loader(s) | Total job time: | 16.98 | Hours |
| Unit cost: \$0.759 | /LCY | Totaljob cost: | \$2,124 | |

| | | Permit Actio | on: New App | olication | Pe | ermit/Job#: | M2023022 |
|---|---|--|---|--|---|---|---|
| ROJECT IDENT | IFICATION | | | | | | |
| Task#: 003 | | State: Colora | ado | | Abb | reviation: | None |
| Date: $\frac{8/9}{202}$ | 3 C | bunty: Weld | | | 1100 | Filename: | M022-003 |
| User: ERR | | <u> </u> | | | | | |
| Agencyoro | rganization nam | e: DRMS | | | | | |
| HOURLY EQUIP | MENT COST | - | | | | | |
| Basic Machine | : CAT 950H | | | Horse | epower: | | 197 |
| Attachment 1 | l: ROPS Cab | | - | Shi | ft Basis: | 1 p | ber dav |
| | | | - | Data | Source: | F | CRG) |
| [°] ost Breakdown | | | | | | | |
| Sost Diedkuo wii. | | | Utilizatio | n % | | | |
| Ownership Co | ost/Hour: | \$49.32 | NA | | | | |
| Operating Co | ost/Hour: | \$39.80 | 100 | | | | |
| Operator Co | ost/Hour: | \$35.97 | NA | | | | |
| Total Unit Co | st/Hour: | \$125.09 | | | | | |
| Total Fleet Co | ost/Hour: | \$125.09 | | | | | |
| MATERIAL OUA | NTITIES | | | | | | |
| | | | | | | | |
| Initial volume: | 3 227 | CCV | | 11 0 | 1 10 - | | |
| T 1 | 4 (10 | | Swe | ll factor: | 1.429 | | |
| Loose volume: | 4,610 | | Swe | ell factor: | 1.429 | | |
| Loose volume: Sour | 4,610 ce of estimated | volume: App | Swe | ell factor: | 1.429 | | |
| Loose volume: Sour Source of | 4,610 ce of estimated swe | volume: App ll factor: Cat H | Swe lication: 12" on Handbook | ell factor: | 1.429 | | |
| Loose volume: Sour Source of | 4,610 ce of estimated f estimated swe | volume: App ll factor: Cat H | Swe lication: 12" on Handbook | all factor: | 1.429 | | |
| Loose volume: Sour Source of HOURLY PRODU | 4,610 ce of estimated f estimated swe | volume: App ll factor: Cat F | Swe lication: 12" on Handbook | ll factor: | 1.429 | | |
| Loose volume: Sour Source of HOURLY PRODU | 4,610 ce of estimated f estimated swe JCTION Unadjust | UCY Volume: App Ilfactor: Cat F | Swe lication: 12" on Handbook | ll factor: | 1.429 | 0.500 | minutes |
| Loose volume: Source of HOURLY PRODU Loader Cycle Time: | 4,610 ce of estimated f estimated swe JCTION Unadjust | UCY LCY volume: App ll factor: Cat F ed Basic Cycle T | Swe lication: 12" on Handbook ime (load, dum | ll factor: | 1.429 | 0.500 | minutes |
| Loose volume: Sour Source of HOURLY PRODU Loader Cycle Time: Cycle Time Fa | 4,610 ce of estimated f estimated swe JCTION Unadjuste terial: Mixed | UCY Volume: App Il factor: Cat F ed Basic Cycle Tr material 0.02 | lication: 12" on Handbook | ll factor: | 1.429 r): Facto | 0.500 r (min.) | minutes Source |
| Loose volume: Sour Source of HOURLY PRODU Loader Cycle Time: Cycle Time Fa Mar Stoc | 4,610 ce of estimated f estimated swe <u>JCTION</u> Unadjuste actors terial: Mixed knile: No adjuste | ed Basic Cycle Tr material 0.02 | ime (load, dum | ll factor: | 1.429 r): Facto 0. | 0.500 r (min.) 020 000 | minutes Source (Cat HB) (Cat HB) |
| Loose volume: Source of HOURLY PRODU Loader Cycle Time: Cycle Time Fa Mai Stoc | 4,610 ce of estimated festimated swe JCTION Unadjuste terial: Mixed kpile: No adj rshin: Comm | ed Basic Cycle T material 0.02 | Swe lication: 12" on Handbook ime (load, dum not applicable | 2 acres 2 acres p, maneuver 0.00 ders -0.04 | 1.429 r): Facto 0. 0. -0 | 0.500 r (min.) 020 000 040 | minutes Source (Cat HB) (Cat HB) (Cat HB) |
| Loose volume: Source of HOURLY PRODU oader Cycle Time: Cycle Time Fa Mat Stoc Truck Owner Oper | 4,610 ce of estimated swe festimated swe <u>JCTION</u> Unadjuste terial: Mixed kpile: No adj rship: Comm ation: Const | ed Basic Cycle Tr material 0.02 justment - factor on ownership of ant operation -0.0 | Swe lication: 12" on Handbook ime (load, dum not applicable ftrucks and loa | ll factor: 2 acres p, maneuver 0.00 ders -0.04 | 1.429 r): Facto 0. 0. -0. -0. -0. | 0.500 r (min.) 020 000 .040 040 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) |
| Loose volume: Source of HOURLY PRODU Loader Cycle Time: Cycle Time Fa Ma Stoc Truck Owner Opera Dump Ta | 4,610 ce of estimated swe JCTION Unadjusta actors terial: Mixed kpile: No adj rship: Comm ation: Const arget: Nomin | LCY volume: App ll factor: Cat F ed Basic Cycle T material 0.02 justment - factor on ownership of ant operation -0.0 nal target 0.00 | Swe lication: 12" on Handbook ime (load, dum not applicable f trucks and loa | ll factor: 2 acres p, maneuver 0.00 ders -0.04 | 1.429 r): Facto 0. 0. -0. -0. -0. 0. | 0.500 r (min.) 020 000 .040 .040 .040 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) |
| Loose volume: Source of HOURLY PRODU Loader Cycle Time: Cycle Time Fa Ma Stoc Truck Owner Opera Dump Ta | 4,610 ce of estimated swe f estimated swe JCTION Unadjusta terial: Mixed kpile: No adj rship: Comm ation: Const arget: Nomin | ed Basic Cycle Tr material 0.02 justment - factor on ownership of ant operation -0.0 hal target 0.00 | Swe lication: 12" on landbook ime (load, dum not applicable ftrucks and loa)4 | ll factor: 2 acres p, maneuver 0.00 ders -0.04 diustment: | 1.429 r): Facto 0. 0. -0. -0. -0. -0. -0. -0. -0. -0. - | 0.500 r (min.) 020 000 040 040 040 000 060 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes |
| Loose volume: Source of HOURLY PRODU oader Cycle Time: Cycle Time Fa Mai Stoc Truck Owner Opera Dump Ta | 4,610 ce of estimated f estimated swe JCTION Unadjuste terial: Mixed kpile: No adj rship: Comm ation: Const arget: Nomin | ed Basic Cycle T material 0.02 justment - factor on ownership of ant operation -0.0 Net Ad | Swe lication: 12" on landbook ime (load, dum not applicable ftrucks and loa A Cycle Time A ljusted Basic C | p, maneuver 0.00 ders -0.04 djustment: ycle Time: | 1.429 r): Facto 0. 0. -0. -0. 0. 0. 0. 0. | 0.500 r (min.) 020 000 .040 .040 .040 000 .060 440 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| Loose volume: Source of COURLY PRODU Oader Cycle Time: Cycle Time Fa Mar Stoc Truck Owner Opera Dump Ta | 4,610 ce of estimated swe festimated swe JCTION Unadjusta terial: Mixed kpile: No adj rship: Comm ation: Const arget: Nomin | ed Basic Cycle T material 0.02 justment - factor on ownership of ant operation -0.0 nal target 0.00 Net Ac | Swe lication: 12" on landbook ime (load, dum not applicable ftrucks and loa A Cycle Time A ljusted Basic C | ll factor: 2 acres p, maneuver 0.00 ders -0.04 djustment: ycle Time: | 1.429 r): Facto 0. 0. -0. -0. -0. 0. -0. 0. -0. 0. | 0.500 r (min.) 020 000 040 040 000 060 440 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| Loose volume: Source of OURLY PRODU oader Cycle Time: Cycle Time Fa Mar Stoc Truck Owner Opera Dump Ta | 4,610 ce of estimated swei festimated swei JCTION Unadjusta terial: Mixed kpile: No adj rship: Comm ation: Const arget: Nomin | LCY volume: <u>App</u> ll factor: <u>Cat F</u> ed Basic Cycle Tr material 0.02 justment - factor on ownership of ant operation -0.0 nal target 0.00 Net Ac | Swe lication: 12" on Handbook ime (load, dum not applicable ftrucks and loa A Cycle Time A ljusted Basic C | 2 acres 2 acres p, maneuver 0.00 ders -0.04 djustment: ycle Time: | 1.429 r): Facto 0. -0. -0. -0. -0. -0. 0. | 0.500 r (min.) 020 000 .040 .040 .040 000 .060 440 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| Loose volume: Source of COURLY PRODU Dader Cycle Time: Cycle Time Fa Ma Stoc Truck Owner Opera Dump Ta olling Resistance— Ha | 4,610 ce of estimated swe JCTION Unadjusta terial: Mixed kpile: No adj rship: Comm ation: Const arget: Nomin | LCY volume: <u>App</u> ll factor: <u>Cat F</u> ed Basic Cycle Tr material 0.02 justment - factor on ownership of ant operation -0.0 hal target 0.00 Net Ac | Swe lication: 12" on landbook ime (load, dum not applicable ftrucks and loa A Cycle Time A ljusted Basic C ance, no water. | ll factor: 2 acres p, maneuver 0.00 ders -0.04 djustment: ycle Time: | 1.429 r): Facto 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. | 0.500 r (min.) 020 000 .040 .040 .040 000 .060 440 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| Loose volume: Source o EOURLY PRODU oader Cycle Time: Cycle Time Fa Mai Stoc Truck Owner Opera Dump Ta olling Resistance – Ha Retu | 4,610 ce of estimated swe f estimated swe Unadjuste terial: Mixed kpile: No adj rship: Comm ation: Const arget: Nomin Road Condition aul: <u>Rutted d</u> | LCY volume: App ll factor: Cat F ed Basic Cycle T material 0.02 justment - factor on ownership of ant operation -0.0 hal target 0.00 Net Actions int, little maintena | Swe lication: 12" on landbook ime (load, dum not applicable ftrucks and loa A Cycle Time A ljusted Basic C ance, no water, ance, no water, | ll factor: 2 acres p, maneuver 0.00 ders -0.04 djustment: ycle Time: .1" tire pene .1" tire pene | 1.429 r): Facto 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. | 0.500 r (min.) 020 000 .040 .040 .040 .060 .440 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| Loose volume: Source of IOURLY PRODU oader Cycle Time: Cycle Time Fa Mai Stoc Truck Owner Opera Dump Ta olling Resistance- Ha Retu | 4,610 ce of estimated swe festimated swe JCTION Unadjusta terial: Mixed kpile: No adj rship: Comm ation: Const arget: Nomin Road Condition aul: Rutted d | LCY volume: App ll factor: Cat F ed Basic Cycle T material 0.02 justment - factor ion ownership of ant operation -0.0 nal target 0.00 Net Ac | Swe lication: 12" on landbook ime (load, dum not applicable ftrucks and loa A Cycle Time A ljusted Basic C ance, no water, ance, no water, | 2 acres 2 acres p, maneuver 0.00 ders -0.04 djustment: ycle Time: 1" tire pene 1" tire pene | 1.429 r): Facto 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. | 0.500 r (min.) 020 000 .040 .040 .040 .040 .060 .440 .000 .060 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| Loose volume: Source of HOURLY PRODU oader Cycle Time: Cycle Time Fa Ma Stoc Truck Owner Opera Dump Ta Rolling Resistance— Ha Retu Haul and Return Time | 4,610 ce of estimated swei festimated swei JCTION Unadjusta terial: Mixed kpile: No adj rship: Comm ation: Const arget: Nomin Road Condition aul: Rutted d urn: Rutted d | LCY volume: <u>App</u> ll factor: <u>Cat F</u> ed Basic Cycle Tr material 0.02 justment - factor on ownership of ant operation -0.0 nal target 0.00 Net <u>Act</u> | Swe lication: 12" on Handbook ime (load, dum not applicable ftrucks and loa A Cycle Time A ljusted Basic C ance, no water, ance, no water, | ll factor: 2 acres p, maneuver 0.00 ders -0.04 djustment: ycle Time: 1" tire pene 1" tire pene | 1.429 r): Facto 0. 0. 0. -0. -0. 0. -0. -0. -0 | 0.500 r (min.) 020 000 .040 .040 .040 .060 .440 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| Loose volume: Source of HOURLY PRODU oader Cycle Time: Cycle Time Fa Ma Stoc Truck Owner Opera Dump Ta Rolling Resistance— Ha Retu Haul and Return Time | 4,610 ce of estimated swell f estimated swell JCTION Unadjustant actors terial: Mixed kpile: No adjustant rship: Commation: ation: Constraint arget: Nomination: Road Condition aul: aul: Rutted d urn: Rutted d Length Length | LCY volume: <u>App</u> ll factor: <u>Cat F</u> ed Basic Cycle Tr material 0.02 justment - factor on ownership of ant operation -0.0 nal target 0.00 Net <u>Ac</u> irt, little maintens irt, little maintens | ime (load, dum ime (load, dum not applicable ftrucks and loa A Cycle Time A ljusted Basic C ance, no water, ance, no water, | Il factor: 2 acres p, maneuver 0.00 ders -0.04 djustment: ycle Time: 1" tire pene 1" tire pene Total Res | 1.429 r): Facto 0. | 0.500 r (min.) 020 000 .040 .040 .040 000 .060 440)) | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| Loose volume: Source of HOURLY PRODU Loader Cycle Time: Cycle Time Fa Ma Stoc Truck Owner Opera Dump Ta Rolling Resistance – Ha Retu Haul and Return Time | 4,610 ce of estimated swell f estimated swell JCTION Unadjusta actors terial: Mixed kpile: No adj rship: Commation: ation: Constrained arget: Nomin Road Condition aul: aul: Rutted d urn: Rutted d Length (feet) | LCY volume: App ll factor: Cat F ed Basic Cycle Ti material 0.02 justment - factor on ownership of ant operation -0.0 hal target 0.00 Net Ac ist, little maintena irt, little maintena irt, little maintena | ime (load, dum ime (load, dum not applicable ftrucks and loa)4 Cycle Time A ljusted Basic C ance, no water, ance, no water, ance, no water, | Il factor: 2 acres p, maneuver 0.00 ders -0.04 djustment: ycle Time: 1" tire pene 1" tire pene 1" tire pene Total Res | 1.429 r): Facto 0. | 0.500 r (min.) 020 000 040 040 000 060 440))) vel Time inutes) | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes Source |
| Loose volume: Source of HOURLY PRODU Loader Cycle Time: Cycle Time Fa Ma Stoc Truck Owner Opera Dump Ta Rolling Resistance – Ha Retu Haul and Return Time Haul Route: | 4,610 ce of estimated swell f estimated swell JCTION Unadjusta terial: Mixed terial: Mixed kpile: No adj rship: Commation: ation: Constance arget: Nomin Road Condition aul: aul: Rutted d urn: Rutted d ge Length (feet) 350 | LCY volume: App ll factor: Cat F ed Basic Cycle Ti material 0.02 justment - factor on ownership of ant operation -0.0 hal target 0.00 Net Ac irt, little mainten irt, little mainten irt, little mainten (%) 0.00 | ime (load, dum ime (load, dum not applicable frucks and loa 4 Cycle Time A ljusted Basic C ance, no water, ance, no water, and ance, no water, and and ance, no water, and and and and and and and and and and | Il factor: 2 acres p, maneuver 0.00 ders -0.04 djustment: ycle Time: 1" tire pene 1" tire pene 1" tire pene 1" tire pene 1" tire pene 1" tire pene | 1.429 r): Facto 0. | 0.500 r (min.) 020 000 .040 .040 .060 440 .060 440 .0 .060 .06 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes Source (Cat HB) |

| | | TotalTravelTi | me: 0.5784 | minutes |
|--|--------------------|----------------------------|------------|---------|
| | | Total Cycle Ti | me: 1.0184 | minutes |
| Load Bucket Capacity | | | | |
| Rated Capacity: | 4.30 | LCY (heaped) | | |
| Bucket Fill Factor: | 0.975 | Sand and gravel (95% - 100 | %) 0.975 | |
| Adjusted Capacity: | 4.19 | LCY | | |
| Job Condition Correction Fa Site Altitude: <u>4750</u> feet | <u>ctors</u> | | | |
| | | Source | | |
| Altitude Adj: | 1.00 | (CAT HB) | | |
| Job Efficiency: | 0.83 | (1 shift/day) | | |
| Net Correction: | 0.83 | multiplier | | |
| Unadju | sted Hourly Unit I | Production: 247.00 | LCY/Hour | |
| Adju | sted Hourly Unit I | Production: 205.01 | LCY/Hour | |
| Adjus | ted Hourly Fleet I | Production: 205.01 | LCY/Hour | |
| JOB TIME AND COST | | | | |
| Fleet size: 1 | Loader(s) | Total job time: | 22.49 | Hours |
| Unit cost: \$0.610 | /LCY | Total job cost: | \$2,813 | |

| OJECT IDENTIFICATION Task#: 004 Abbreviation: None Date: 89/2023 County: Weld Filename: M022-004 User: ERR | | ion: New Applicat | ion P | ermit/Job#: | M2023022 |
|---|--|--|--|--|---|
| Task#: 004 State: Colorado Abbreviation: None Date: 8'9'2023 County: Weld Filename: M022-004 User: ERR Agency or oganization name: DRMS DURLY EQUIPMENT COST Basic Machine: CAT 950H Horsepower: 197 Attachment 1: ROPS Cab Data Source: (CRG) st Breakdown: Utilization % Na Operating Cost/Hour: \$49.32 NA Operating Cost/Hour: \$49.32 NA Operating Cost/Hour: \$33.97 NA Operator Cost/Hour: \$3125.09 Total Unit Cost/Hour: \$125.09 Total Fleet Cost/Hour: \$125.09 XTERIAL QUANITIES Initial volume: 6 ,8297 LCY Swell factor: 1.429 Source of estimated volume: Application: 12" on 6 acres (40% reduction for contemp rec) Source of costimated volume: Cat Handbook DURLY PRODUCTION aderCycle Time: Unadjusted Basic Cycle Time (load, dump, maneuver): 0.500 minute Cycle Time: Unadjusted Basic Cycle Time (load, dump, maneuver): 0.000 (Cat HB Operation: <td< td=""><td>JECT IDENTIFICATION</td><td></td><td></td><td></td><td></td></td<> | JECT IDENTIFICATION | | | | |
| Date: 89/2023 County: Weld Filename: M022-004 User: ERR Gency or organization name: DRMS Agency or organization name: DRMS DIRLY EQUIPMENT COST Basic Machine: CAT 950H Horsepower: 197 Attachment 1: ROPS Cab Shift Basis: 1 per day Data Source: (CRG) (CRG) st Breakdown; Utilization % Operating Cost/Hour: \$49.32 NA Operating Cost/Hour: \$49.32 NA Operator Cost/Hour: \$125.09 Total Unit Cost/Hour: \$125.09 Source of estimated volume: Application: 12" on 6 acres (40% reduction for contemp rec) Source of estimated swell factor: CCY Source of estimated swell factor: Cat Handbook Direct/Cycle Time: Unadjusted Basic Cycle Time (load, dump, naneuver): 0.500 minute Cycle Time: Unadjusted Basic Cycle Time (load, dump, naneuver): 0.500 (Cat HB Dupp Target: No adjustment-factor not applicable 0.00 0.000 (Cat HB Dupp Target: Not Cycle | ask#: 004 State: Color | rado | Abl | previation. | None |
| User: ERR Agency or organization name: DRMS DURLY EQUIPMENT COST Basic Machine: CAT 950H Attachment 1: ROPS Cab Shift Basis: 1 per day Data Source: (CRG) StBreakdown; Ownership Cost/Hour: \$49.32 Utilization % Operating Cost/Hour: \$49.32 Operating Cost/Hour: \$35.90 Operating Cost/Hour: \$35.97 Total Unit Cost/Hour: \$125.09 Total Fleet Cost/Hour: \$125.09 ATERIAL QUANITIES Initial volume: \$,808 CCY Swell factor: 1.429 Lose volume: 8,297 LCY Source of estimated volume: Application: 12" on 6 acres (40% reduction for contemp rec) Source of estimated volume: Cat Handbook URLY PRODUCTION adderCycle Time; Unadjusted Basic Cycle Time (load, dump, maneuver): 0.500 Material: Mixed material 0.02 Katerial: Mixed material 0.03 Katerial: Mixed material 0.04 Katerial: Mixed M | Date: 8/9/2023 County: Weld | 1 | | Filename: | M022-004 |
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| Ining Resistance - Road Conditions Haul: Rutted dirt, little maintenance, no water, 1" tire penetration 4.0 Return: Rutted dirt, little maintenance, no water, 1" tire penetration 4.0 uland Return Time Length Grade Res. Rolling Total Res. Travel Time Length Grade Res. Rolling Total Res. Travel Time Source HaulBouteu A00 A00 A00 A00 | URLY PRODUCTION ler Cycle Time: Unadjusted Basic Cycle T Cycle Time Factors Material: Mixed material 0.02 Stockpile: No adjustment - factor Truck Ownership: Common ownership o Operation: Constant operation -0. Dump Target: Nominal target 0.00 Ne Additional Constant operation -0. | Fime (load, dump, ma r not applicable 0.00 f trucks and loaders - 04 t Cycle Time Adjust djusted Basic Cycle ' | neuver): Facto 0 0.04(0 0 ment:(Time: 0 | 0.500 or (min.) .020 .000 0.040 0.040 .000 0.060 .440 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
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| Return: Return: Return Colspan="2">Return: Return Colspan="2" Length Corade Res. Rolling Return Colspan="2" Colspan="2" Source HeulBouteu ACC (Colspan="2") ACC (Colspan="2") | URLY PRODUCTION ler Cycle Time: Unadjusted Basic Cycle T Cycle Time Factors Material: Mixed material 0.02 Stockpile: No adjustment - factor Truck Ownership: Common ownership o Operation: Constant operation -0. Dump Target: Nominal target 0.00 Ne Ar ng Resistance–Road Conditions | Fime (load, dump, ma r not applicable 0.00 f trucks and loaders - 04 t Cycle Time Adjust djusted Basic Cycle ' | neuver): Factor 00 004 -(0 00 ment: -(0 Time: 0 | 0.500 or (min.) .020 .000 0.040 0.040 .000 0.060 .440 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| Length Grade Res. Rolling Total Res. Travel Time Source (feet) (%) Res. (%) (%) (minutes) Source HaulBouteu 600 0.00 400 400 0.5150 (7.110) | URLY PRODUCTION ler Cycle Time: Unadjusted Basic Cycle T Cycle Time Factors Material: Mixed material 0.02 Stockpile: No adjustment - factor Truck Ownership: Common ownership o Operation: Constant operation -0. Dump Target: Nominal target 0.00 Ne Au ng Resistance – Road Conditions Haul: Rutted dirt, little mainten | Fime (load, dump, ma r not applicable 0.00 f trucks and loaders - 04 t Cycle Time Adjust djusted Basic Cycle ' nance, no water, 1'' ti | neuver): Factor 0 0 0.04 -0 -0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0.500 or (min.) .020 .000 .040 .000 .040 .000 .060 .440 0 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| Length (feet)Grade Res.Rolling Res. (%)Total Res.Travel Time (minutes)HaulBouter6000.004.000.5150(C) (HD) | URLY PRODUCTION ler Cycle Time: Unadjusted Basic Cycle T Cycle Time Factors Material 0.02 Material: Mixed material 0.02 Stockpile: No adjustment - factor Truck Ownership: Common ownership o Operation: Constant operation -0. Dump Target: Nominal target 0.00 Ne An ng Resistance-Road Conditions Haul: Rutted dirt, little mainten Return: Rutted dirt, little mainten | Fime (load, dump, ma r not applicable 0.00 f trucks and loaders - 04 t Cycle Time Adjust djusted Basic Cycle ' nance, no water, 1'' ti nance, no water, 1'' ti | neuver): Facto 0 0 0.04(-(0 0 ment:(Time:0 re penetration 4 re penetration 4 | 0.500 or (min.) .020 .000 0.040 0.040 .000 .000 .000 .000 .000 .040 .000 .040 .000 .040 .000 .040 .0000 .000 .000 .000 .000 .000 .0000 .000 .000 .000 .000 .0 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| Length Grade Kes. Kolling Total Kes. Travel Time Source (feet) (%) Res. (%) (%) (minutes) Source | URLY PRODUCTION ler Cycle Time: Unadjusted Basic Cycle T Cycle Time Factors Material: Mixed material 0.02 Stockpile: No adjustment - factor Truck Ownership: Common ownership o Operation: Constant operation -0. Dump Target: Nominal target 0.00 Ne Aung Resistance – Road Conditions Haul: Rutted dirt, little mainten Return: Rutted dirt, little mainten and Return Time | Fime (load, dump, ma r not applicable 0.00 f trucks and loaders - 04 t Cycle Time Adjust djusted Basic Cycle ' nance, no water, 1'' ti nance, no water, 1'' ti | neuver): Factor 0 0.04 -(-(0 0 0.04 -(-(-(-(-(-(-(-(-(-(-(-(-(- | 0.500 or (min.) .020 .000 .040 .040 .000 .040 .000 .040 .000 .040 .000 .040 .000 .040 .000 .040 .000 .040 .000 .040 .000 .040 .000 .000 .040 .000 .000 .000 .040 .000 .040 .000 .040 .0000 .000 .000 .0000 .000 .000 .000 .000 .000 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | URLY PRODUCTION ler Cycle Time: Unadjusted Basic Cycle T Cycle Time Factors Material: Mixed material 0.02 Stockpile: No adjustment - factor Truck Ownership: Common ownership o Operation: Constant operation -0. Dump Target: Nominal target 0.00 Ne Ar ng Resistance – Road Conditions Haul: Rutted dirt, little mainten Return: Rutted dirt, little mainten and Return Time Langther de Conductor | Fime (load, dump, ma r not applicable 0.00 f trucks and loaders - 04 t Cycle Time Adjust djusted Basic Cycle ' nance, no water, 1'' ti nance, no water, 1'' ti | neuver): Facto 0 0 0.04 -(-(-(0 0 ment: -(Time: 0 re penetration 4 re penetration 4 | 0.500 or (min.) .020 .000 .000 .040 .000 .040 .000 .040 .000 .040 .000 .040 .000 .040 .000 .040 .0000 .000 .000 .0000 .000 .000 .000 .0000 .000 .000 .000 .00 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes |
| | URLY PRODUCTION ler Cycle Time: Unadjusted Basic Cycle T Cycle Time Factors Material 0.02 Material: Mixed material 0.02 Stockpile: No adjustment - factor Truck Ownership: Common ownership o Operation: Constant operation -0. Dump Target: Nominal target 0.00 Ner Ar ng Resistance – Road Conditions Haul: Rutted dirt, little mainten Return: Rutted dirt, little mainten and Return Time Length Grade Res. | Fime (load, dump, ma r not applicable 0.00 f trucks and loaders - 04 t Cycle Time Adjust djusted Basic Cycle ' nance, no water, 1" ti nance, no water, 1" ti nance, no water, 1" ti | neuver): Factor 0 0 0.04 -(-(-(-(-(-(-(-(-(-(-(-(-(| 0.500 or (min.) .020 .000 .000 .040 .000 .000 .000 .060 .440 0 0 0 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes Minutes |
| Haurkoute: 000 0.00 4.00 4.00 0.1750 (Cat HB Detum Deuter 600 0.00 4.00 0.4750 (Cat HB | URLY PRODUCTION ler Cycle Time: Unadjusted Basic Cycle T Cycle Time Factors Material 0.02 Material: Mixed material 0.02 Stockpile: No adjustment - factor Truck Ownership: Common ownership o Operation: Constant operation -0. Dump Target: Nominal target 0.00 Ne An ng Resistance – Road Conditions Haul: Rutted dirt, little mainten Return: Rutted dirt, little mainten and Return Time Length Grade Res. (feet) (%) | Fime (load, dump, ma r not applicable 0.00 f trucks and loaders - 04 t Cycle Time Adjust djusted Basic Cycle ' nance, no water, 1'' ti nance, no water, 1'' ti nance, no water, 1'' ti nance, no water, 1'' ti nance, no water, 1'' ti | neuver): Facto 0 0.04(| 0.500 or (min.) .020 .000 .000 .040 .000 .040 .000 .060 .440 0 0 0 0 0 0 0 0 0 0 0 0 0 | minutes Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes Source |

| | | TotalTravelT | ime: 0.9916 | minutes |
|--|------------------|----------------------------|--------------------|---------|
| | | Total Cycle T | ime: 1.4316 | minutes |
| Load Bucket Capacity | | | | |
| Rated Capacity: | 4.30 | LCY (heaped) | | |
| Bucket Fill Factor: | 0.975 | Sand and gravel (95% - 100 | 0%) 0.975 | |
| Adjusted Capacity: | 4.19 | LCY | | |
| Job Condition Correction Fact Site Altitude: <u>4750</u> feet | <u>ors</u> | | | |
| | | Source | | |
| Altitude Adj: | 1.00 | (CAT HB) | | |
| Job Efficiency: | 0.83 | (1 shift/day) | | |
| Net Correction: | 0.83 | multiplier | | |
| Unadjuste | ed Hourly Unit P | roduction: <u>175.71</u> | LCY/Hour | |
| Adjuste | d Hourly Unit P | roduction: 145.84 | - LCY/Hour | |
| Adjuste | u noully rieet P | 10duction: 145.64 | | |
| JOB TIME AND COST | | | | |
| Fleet size: 1 | Loader(s) | Total job time: | 56.89 | Hours |
| Unit cost: \$0.858 | /LCY | Totaljob cost: | \$7,117 | |

REVEGETATION WORK

| Taskdescr | iption: | Revegetate the Si | ite | | | |
|--------------------------|------------------------|--------------------------|------------------|-----------------|----------------------------|------------------|
| ite: CoProp | No. 1 | Perr | nit Action: | New Application | Permit/Job | #: M2023022 |
| PROJECT | IDENTIFI | CATION | | | | |
| Task#: Date: User: | 005 8/9/2023 ERR | State: County: | Colorado Weld | | Abbreviation: Filename: | None M022-005 |
| Age | ency or organ | nization name: <u>DR</u> | MS | | | |

FERTILIZING

Materials

| Description | Units / Acre | Unit | Cost/Unit | Cost/Acre |
|-------------|-----------------|------|--|-----------|
| | | | \$ | \$ |
| | | | Total Fertilizer Materials Cost/Acre | \$0.00 |

Application

| Description | Cost/Acre |
|---|-----------|
| Manure, tractor spreader (MEANS 32 91 13.23 4450) | \$74.49 |
| | |
| Total Fertilizer Application Cost/Acre | \$74.49 |

TILLING

| Description | Cost/Acre |
|--|-----------|
| Disc harrowing, 6" deep (MEANS 32 91 13.23 6100) | \$112.82 |
| Total Tilling Cost/Acre | \$112.82 |

SEEDING

| SeedMix | Rate – PLS LBS / Acre | Seeds per SQ. FT | Cost/Acre |
|---------------------------------|--------------------------------|------------------------|-----------|
| Indiangrass - Cheyenne | 1.50 | 4.57 | \$16.95 |
| Blue Grama - Lovington | 0.50 | 8.16 | \$7.99 |
| Indian Ricegrass - Paloma | 1.00 | 3.24 | \$11.13 |
| Switchgrass - Pathfinder | 0.50 | 4.47 | \$6.38 |
| Little Bluestem - Native | 0.50 | 2.98 | \$6.78 |
| Sideoats Grama - Butte | 1.50 | 4.92 | \$13.50 |
| Sand Bluestem - Garden Co. | 2.00 | 5.19 | \$49.05 |
| Coneflower, Prairie | 0.30 | 8.15 | \$9.90 |
| Thickspike Wheatgrass - Critana | 0.30 | 1.06 | \$2.06 |
| Prairie Sandreed - Goshen | 1.50 | 9.40 | \$15.53 |

| Totals Seed Mix 9.60 52.15 \$139.26 | Totals Seed Mi | x 9.60 | 52.15 | \$139.26 |
|---|----------------|---------------|-------|----------|
|---|----------------|---------------|-------|----------|

Application

| Description Drill Seeding (DRMS Survey Cost) | | Cost/Acre \$232.00 |
|---|--------------------------------|------------------------------|
| То | tal Seed Application Cost/Acre | \$232.00 |

MULCHING and MISCELLANEOUS

Materials

| Description | Units / Acre | Unit | Cost/Unit | Cost/Acre |
|---|-----------------|------|-----------|-----------|
| Straw, delivered {MEANS 31 25 14.16 1200} | 2.00 | TON | \$429.79 | \$859.57 |
| Total Mulch Materials Cost/Acre | | | | \$859.57 |

Application

| Description | | Cost/Acre |
|---|-----------------------------------|-----------|
| Crimping, with tractor {DMGsurvey data} | | \$74.46 |
| | | |
| | Total Mulch Application Cost/Acre | \$74.46 |

NURSERY STOCK PLANTING

| Common Name | No / Acre | Type and Size | Planting Cost | Fertilizer Pellet Cost | Cost/Acre |
|-------------|--------------|---------------|------------------|---------------------------|-----------|
| | | | | | \$ |
| | | | | | |
| | | Totals 1 | Nursery Stoc | k Cost/Acre | \$0.00 |

JOB TIME AND COST

| Estimate *Selected Replanti | No. of Acres: ed Failure Rate: ng Work Items: | 9.99 25% TILLING,SEED | ING | Cost/Acre: Cost/Acre*: | \$1,492.60 \$484.08 |
|--------------------------------|---|-----------------------------|---------|---------------------------|------------------------|
| Initial Job Cost: | \$14,911.07 | | | | |
| Reseeding Job Cost: | \$1,208.99 | | | | |
| Total Job Cost: | \$16,120 | | | | |
| Job Hours: | 15.00 | | | | |

EQUIPMENT MOBILIZATION/DEMOBILIZATION

| CoProp N | 0.1 | Permit A | Action: New | Applicati | on I | Permit/Job#: <u>M</u> | 2023022 |
|---|--|--|--|---|--|---|---|
| PROJECT I | DENTIFICATI | <u>ON</u> | | | | | |
| Task#: | 007 | State: Co | olorado | | Abbro | eviation: <u>None</u> | |
| Date: User: | 8/9/2023 ERR | County: W | eld | | F | ilename: M022 | -007 |
| Ager | ncyororganization | nname: <u>DRMS</u> | | | | | |
| QUIPMEN | T TRANSPOR | <u>T RIG COST</u> | | | | | |
| | | | | | Shift ba | sis: <u>1 per da</u> | у |
| | | | | (| Cost Data Sou | rce: <u>CRG Dat</u> | ta |
| T | ruck Tractor Desc | ription: GENE | RIC ON-HIGHV | VAY TR | UCK TRACTO | OR, 6X4, DIESEL | POWERED, |
| | | | | 400 HP | (2ND HALF, | 2006) | |
| Т | ruck Trailer Desc | ription: G | ENERIC FOLD | ING GOC | SENECK, DE | ROP DECK EQUI | PMENT |
| | | | 1 | KAILEK | (251, 501, Al | ND 1001) | |
| Cost Breakdov | wn: | | | | | | |
| Available R | ig Capacities | 0-25 Tons | 26-50 Tons | 51- | + Tons | | |
| | | \$20.2 | \$26.04 | \$ | 47.05 | | |
| Owner | ship Cost/Hour: | \$20.26 | \$50.04 | ψ | 17.05 | | |
| Owner Opera | ship Cost/Hour: ting Cost/Hour: | \$20.26 \$39.51 | \$30.04 \$76.08 | \$ | 82.85 | | |
| Owner Opera Oper | ship Cost/Hour: ating Cost/Hour: rator Cost/Hour: | \$20.26 \$39.51 \$22.52 | \$76.08 \$22.52 | \$ | 82.85 22.52 | | |
| Owner Opera Oper He | ship Cost/Hour: tting Cost/Hour: rator Cost/Hour: lper Cost/Hour: | \$20.26 \$39.51 \$22.52 \$0.00 | \$30.04 \$76.08 \$22.52 \$23.53 | \$ \$ \$ \$ | 82.85 22.52 23.53 | | |
| Owner Opera Oper He Total | ship Cost/Hour: tting Cost/Hour: rator Cost/Hour: Pper Cost/Hour: Unit Cost/Hour: | \$20.26 \$39.51 \$22.52 \$0.00 \$82.29 | \$30.04 \$76.08 \$22.52 \$23.53 \$158.17 | \$ \$ \$ \$ \$ \$ \$ | 82.85 22.52 23.53 75.95 | | |
| Owner Opera Oper He Total | ship Cost/Hour: ating Cost/Hour: rator Cost/Hour: lper Cost/Hour: Unit Cost/Hour: | \$20.26 \$39.51 \$22.52 \$0.00 \$82.29 | \$30.04 \$76.08 \$22.52 \$23.53 \$158.17 | \$ \$ \$ \$ \$ \$ \$ | 82.85 22.52 23.53 75.95 | | |
| Owner Opera Oper He Total | ship Cost/Hour: ating Cost/Hour: rator Cost/Hour: lper Cost/Hour: Unit Cost/Hour: OABLE EQUIPN | \$20.26 \$39.51 \$22.52 \$0.00 \$82.29 | \$30.04 \$76.08 \$22.52 \$23.53 \$158.17 | \$ \$ \$ \$ \$ \$ \$ | 82.85 22.52 23.53 75.95 | | |
| Owner Opera Oper He Total | ship Cost/Hour: ting Cost/Hour: rator Cost/Hour: lper Cost/Hour: Unit Cost/Hour: ABLE EQUIPM Weight/ | \$20.26 \$39.51 \$22.52 \$0.00 \$82.29 MENT: Ownership | \$30.04 \$76.08 \$22.52 \$23.53 \$158.17 HaulBig | Fleet | 82.85 22.52 23.53 75.95 | Return Trip | DOT Permi |
| Owner Opera Oper He Total ON ROAD Machine Description | ship Cost/Hour: ting Cost/Hour: rator Cost/Hour: lper Cost/Hour: Unit Cost/Hour: OABLE EQUIPN Weight/ Unit | \$20.26 \$39.51 \$22.52 \$0.00 \$82.29 /ENT: Owner ship Cost/br/unit | \$30.04 \$76.08 \$22.52 \$23.53 \$158.17 Hau1Rig Cost/br/uni | Fleet Size | Haul Trip | Return Trip Cost/hr/fleet | DOT Permi Cost/ fleet |
| Owner Opera Oper He Total NON ROAD Machine Description | ship Cost/Hour: ting Cost/Hour: rator Cost/Hour: lper Cost/Hour: Unit Cost/Hour: DABLE EQUIPN Weight/ Unit (TONS) | \$20.26 \$39.51 \$22.52 \$0.00 \$82.29 MENT: Owner ship Cost/hr/unit | \$30.04 \$76.08 \$22.52 \$23.53 \$158.17 Hau1Rig Cost/hr/uni t | Fleet Size | 82.85 22.52 23.53 75.95 Haul Trip Cost/hr/ fleet | Return Trip Cost/hr/fleet | DOT Permit Cost/ fleet |
| Owner Opera Oper He Total XON ROAD Machine Description CAT 950H | A ship Cost/Hour: ating Cost/Hour: rator Cost/Hour: liper Cost/Hour: Unit Cost/Hour: ABLE EQUIPN Weight/ Unit (TONS) 20.13 | \$20.26 \$39.51 \$22.52 \$0.00 \$82.29 MENT: Owner ship Cost/hr/unit \$49.32 | \$30.04 \$76.08 \$22.52 \$23.53 \$158.17 HaulRig Cost/hr/uni t \$82.29 | Fleet Size | HaulTrip Cost/hr/ fleet \$131.61 | Return Trip Cost/hr/fleet \$82.29 | DOT Permit Cost/ fleet \$250.00 |
| Owner Opera Oper He Total NON ROAD Machine Description CAT 950H Drill/Broadcas | Able Equipment weight/ Definition Defin | \$20.26 \$39.51 \$22.52 \$0.00 \$82.29 MENT: Owner ship Cost/hr/unit \$49.32 \$6.73 | \$30.04 \$76.08 \$22.52 \$23.53 \$158.17 Haul Rig Cost/hr/uni t \$82.29 \$82.29 | \$ \$ | HaulTrip Cost/hr/ fleet \$131.61 \$178.04 | Return Trip Cost/hr/fleet \$82.29 \$164.58 | DOT Permit Cost/ fleet \$250.00 \$250.00 |
| Owner Opera Oper He Total NON ROAD Machine Description CAT 950H Drill/Broadcas Seeder with | Ship Cost/Hour: sting Cost/Hour: rator Cost/Hour: Iper Cost/Hour: Iper Cost/Hour: Unit Cost/Hour: OABLE EQUIPN Weight/ Unit (TONS) 20.13 st 25.00 | \$20.26 \$39.51 \$22.52 \$0.00 \$82.29 MENT: Owner ship Cost/hr/unit \$49.32 \$6.73 | \$30.04 \$76.08 \$22.52 \$23.53 \$158.17 Hau1Rig Cost/hr/uni t \$82.29 \$82.29 | | HaulTrip 22.52 23.53 75.95 HaulTrip Cost/hr/ fleet \$131.61 \$178.04 | Return Trip Cost/hr/fleet \$82.29 \$164.58 | DOT Permit Cost/ fleet \$250.00 \$250.00 |
| Owner Opera Oper He Totall VON ROAD Machine Description CAT 950H Drill/Broadcas Seeder with Tractor | Ship Cost/Hour: tting Cost/Hour: rator Cost/Hour: Iper Cost/Hour: Unit Cost/Hour: OABLE EQUIPN Weight/ Unit (TONS) 20.13 st 25.00 | \$20.26 \$39.51 \$22.52 \$0.00 \$82.29 MENT: Owner ship Cost/hr/unit \$49.32 \$6.73 | \$30.04 \$76.08 \$22.52 \$23.53 \$158.17 Hau1Rig Cost/hr/uni t \$82.29 \$82.29 | | HaulTrip 22.52 23.53 75.95 HaulTrip Cost/hr/ fleet \$131.61 \$178.04 | Return Trip Cost/hr/fleet \$82.29 \$164.58 | DOT Permit Cost/ fleet \$250.00 \$250.00 |
| Owner Opera Oper He Totall VON ROAD Machine Description CAT 950H Drill/Broadcas Seeder with Tractor Power Mulche | Ship Cost/Hour: sting Cost/Hour: rator Cost/Hour: Iper Cost/Hour: Iper Cost/Hour: Unit Cost/Hour: OABLE EQUIPN Weight/ Unit (TONS) 20.13 st 25.00 er 6.00 | \$20.26 \$39.51 \$22.52 \$0.00 \$82.29 MENT: Owner ship Cost/hr/unit \$49.32 \$6.73 \$25.94 | \$30.04 \$76.08 \$22.52 \$23.53 \$158.17 Hau1Rig Cost/hr/uni t \$82.29 \$82.29 \$82.29 | | HaulTrip 22.52 23.53 75.95 HaulTrip Cost/hr/ fleet \$131.61 \$178.04 \$216.46 | Return Trip Cost/hr/fleet \$82.29 \$164.58 \$164.58 | DOT Permit Cost/ fleet \$250.00 \$250.00 |
| Owner Opera Oper He Totall VON ROAD Machine Description CAT 950H Drill/Broadcas Seeder with Tractor Power Mulche (Bowie LD-90 | Ship Cost/Hour: tting Cost/Hour: rator Cost/Hour: Iper Cost/Hour: Unit Cost/Hour: OABLE EQUIPN Weight/ Unit (TONS) 20.13 st 25.00 er 6.00 | \$20.26 \$39.51 \$22.52 \$0.00 \$82.29 MENT: Owner ship Cost/hr/unit \$49.32 \$6.73 \$25.94 | \$30.04 \$76.08 \$22.52 \$23.53 \$158.17 Hau1Rig Cost/hr/uni t \$82.29 \$82.29 \$82.29 | | HaulTrip 22.52 23.53 75.95 HaulTrip Cost/hr/ fleet \$131.61 \$178.04 \$216.46 | Return Trip Cost/hr/fleet \$82.29 \$164.58 \$164.58 | DOT Permit Cost/ fleet \$250.00 \$250.00 \$250.00 |
| Owner Opera Oper He Totall VON ROAD Machine Description CAT 950H Drill/Broadcas Seeder with Tractor Power Mulche (Bowie LD-90 | ship Cost/Hour: tting Cost/Hour: trator Cost/Hour: Per Cost/Hour: Unit Cost/Hour: ABLE EQUIPN Weight/ Unit (TONS) 20.13 st 25.00 er 6.00 | \$20.26 \$39.51 \$22.52 \$0.00 \$82.29 MENT: Owner ship Cost/hr/unit \$49.32 \$6.73 \$25.94 | \$30.04 \$76.08 \$22.52 \$23.53 \$158.17 Hau1Rig Cost/hr/uni t \$82.29 \$82.29 \$82.29 | Fleet Size 1 2 | HaulTrip 22.52 23.53 75.95 HaulTrip Cost/hr/ fleet \$131.61 \$178.04 \$216.46 | Return Trip Cost/hr/fleet \$82.29 \$164.58 \$164.58 | DOT Permit Cost/ fleet \$250.00 \$250.00 \$250.00 |

ROADABLE EQUIPMENT:

| Machine Description | Total Cost/hr/ unit | Fleet Size | Haul Trip Cost/hr/fleet | Return Trip Cost/hr/fleet |
|--------------------------------------|------------------------|------------|----------------------------|------------------------------|
| Light Duty Pickup, 4x4, 1 T. Crew | \$128.47 | 2 | \$256.94 | \$256.94 |
| | \$256.94 | \$256.94 | | |

EQUIPMENT HAUL DISTANCE and Time

| Nearest Major City or Town within project area region: | WINDSOR | |
|--|------------|-------|
| Total one-way travel distance: | 41.80 | miles |
| Average Travel Speed: | 45.00 | mph |
| Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig: | \$3,557.44 | _ |
| Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig: | \$477.34 | |
| | | |

Transportation Cycle Time:

| | Non- | |
|-------------------------|-----------|-----------|
| | Roadable | Roadable |
| | Equipment | Equipment |
| HaulTime (Hours): | 0.93 | 0.93 |
| Return Time (Hours): | 0.93 | 0.93 |
| Loading Time (Hours): | 0.15 | NA |
| Unloading Time (Hours): | 0.15 | NA |
| Subtotals: | 2.16 | 1.86 |

JOB TIME AND COST

Totaljob time: 4.32 Hours

Totaljob cost: **\$4,035**