COST SUMMARY WORK

| Task description: | CN-1 | | | | |
|----------------------|-----------------------------------|------------|--------------|------------------|--------------------|
| : Simla Highway Pit | Permit Action: | CN1 | | Permit/Job | #: <u>M1995095</u> |
| PROJECT IDENTIFI | CATION | | | | |
| Task #: HCR | State: Colorado | | Á | Abbreviation: | None |
| Date: 4/4/2024 | County: El Paso | | * | Filename: | M095-HCR |
| User: HR1 | | | | _ | |
| Agency or organ | nization name: DRMS | | | | |
| Agency of organ | inzation name. DRWS | | | | |
| TASK LIST (DIRECT | Γ COSTS) | | | | |
| 5 5 | | Form | Fleet | Task | |
| Description | | Used | Size | Hours | Cost |
| Rip compacted area | s | RIPPER | 1 | 19.45 | \$8,781 |
| Distribute topsoil | | DOZER | 1 | 14.12 | \$6,005 |
| Grade topsoil | | GRADER | 1 | 6.87 | \$1,218 |
| Revege 10 acres of | | REVEGE | 1 | 10.00 | \$8,538 |
| | clamation acres (25%) | REVEGE | 1 | 1.25 | \$2,547 |
| Mob/Demob | | MOBILIZE | 1 | 2.96 | \$3,997 |
| NDIRECT COSTS | | | | | |
| OVERHEAD AND PROI | <u>FIT:</u> | | | | |
| Liability insur | ance: 2.02 | | | Total = \$6 | 28 |
| Performance b | | | | Total = ${\$3}$ | 26 |
| Job superinten | | | | $Total = _\$5$ | |
| P | rofit: 10.00 | | | | ,109 |
| | | | | | ,604 |
| | CONT | RACT AMOUN | Γ (direct + | $O \& P) = _{3}$ | 5,690 |
| EGAL - ENGINEERIN | G - PROJECT MANAGEMENT | : | | | |
| Financial warranty r | processing (legal/related costs): | \$0 | | Total = \$0 | |
| | and/or contract/bid preparation: | 4.25 | _ | | ,517 |
| 0 | agement and/or administration: | 5.00 | _ | | ,785 |
| | CONTINGENCY: | 0.00 | | Total =\$0 | |
| | | TOTAL I | NDIRECT | T COST - \$7 | ,906 |
| | | IOIALI | NDIKECI | | ,900 |

BULLDOZER RIPPING WORK

| | Task description: | Rip | compacted areas | | | | |
|------------------|-------------------|-------------------------------|--|---------------------|------------------------|-------------|------------|
| Site: | : Simla Highwa | y Pit | Permit Action: | CN1 | Per | mit/Job#:M | 1995095 |
| | PROJECT IDI | ENTIFICATI | ION | | | | |
| | Task #: 001 | IA | State: Colorado | | Abbre | viation: No | ne |
| | | 4/2024 | County: El Paso | | | ename: 001 | |
| | User: HR | 1 | - | | | | |
| | Agency | or organization | n name: DRMS | | | | |
| | HOURLY EQ | UIPMENT C | <u>OST</u> | | | | |
| | Basic 1 | Machine: Ca | nt D8T - 8SU | | Horsepower: | 310 | |
| | Ripper Att | achment: 1-5 | | | Shift Basis: | 1 per da | ıy |
| | | | | | Data Source: | (CRG) | <u> </u> |
| | Cost Breakdown: | <u>.</u> | | | | | |
| | | | | **** | Utilization % | | |
| | | Ownership C | | \$241.38 | NA 100 | | |
| | Pinn | Operating C er Ownership C | | \$143.92 \$17.40 | 100 NA | | |
| | | per Operating C | | \$8.74 | 100 | | |
| | FI | Operator C | | \$40.04 | NA | | |
| | | Total Unit C | Cost/Hour: | \$451.48 | | | |
| | | Total Fleet C | Cost/Hour: \$451 | .48 | | | |
| | MATERIAL (| OUANTITIES | Sele | cted estimating | g method: Area | | |
| | Alternate Method | | Sele | eted estimating | s memod. <u>Theu</u> | | |
| | | <u>15.</u> | D 1 W 1 | NTA | DCV | NT A | |
| eismic: Area: | NA 10.00 | acres | Bank Volume: _ Rip Depth (ft): | NA 2.00 | BCY Volume: 32 | ,267 | BCY or CCY |
| Aica. | 10.00 | | • • • • – | | | | Beroree |
| | | | mated quantity: Exhibit | E, Reciamano | on Pian & L(1) Cost | s, CN-1 | |
| | HOURLY PRO | <u>ODUCTION</u> | | | | | |
| | Seismic: | | | | | | |
| | | | Seismic Velocity: | NA | feet/secon | ıd | |
| | Area: | | | | | | |
| | | | ge Ripping Depth: | 3.71 | feet/pass | | |
| | | | ge Ripping Width: | 5.56 | feet/pass | | |
| | | _ | e Ripping Length: rage Dozer Speed: | 250.00 88.00 | feet/pass feet/minu | to | |
| | | | e Maneuver Time: | 0.25 | minutes/p | | |
| | | | ction per unit area: | 0.619 | acres/hou | | |
| | Job Condition Co | orrection Factor | <u>s</u> | | | | |
| | Un | adjusted Hourly | y Unit Production: | 0.619 | Acres/hr | | |
| | | • | Site Altitude: | 6,400 | feet | | |
| | | | Altitude Adj: | 1.00 | (CAT HB |) | |
| | | | Job Efficiency: | 0.83 | (1 shift/da | | |
| | | | Net Correction: | 0.83 | multiplier | | |
| | | | Hourly Unit Production: Hourly Fleet Production: | 0.51 0.51 | Acres/hr Acres/hr | | |
| | JOB TIME AN | • | | 0.01 | 110100/111 | | |
| | Fleet size: | 1 | _ Grader(s) | Total job tin | ne:19 | .45 | Hours |
| | Unit cost: | \$878.150 | Per acre | Total job co | ost: \$8. ' | 7 81 | |

BULLDOZER WORK

| Task description: | Distribute topsoil | | | |
|---|---------------------------------|------------------|------------------------|--------------|
| e: Simla Highway Pit | Permit Action: | CN1 | Permit/Job#: | M1995095 |
| PROJECT IDENTIFIC | CATION | | | |
| Task #: 001B Date: 4/24/2024 User: HR1 | State: Colorado County: El Paso | | Abbreviation:Filename: | None 001b |
| Agency or organiz | zation name: DRMS | | | |
| HOURLY EQUIPMEN | T COST | | | |
| | 98T - 8SU | | | |
| Horsepower: 310 | | = | | |
| | -Universal | _ | | |
| Attachment: NA | | _ | | |
| Shift Basis: 1 per | day | _ | | |
| Data Source: (CRC | 5) | _ | | |
| Coot Brookdown | | _ | | |
| Cost Breakdown: | | Utilization % | | |
| Ownership Cost/Hour: | \$241.38 | NA | | |
| Operating Cost/Hour: | \$143.92 | 100 | <u> </u> | |
| Ripper own. Cost/Hour: | \$0.00 | NA | | |
| Ripper own. Cost/Hour: | \$0.00 | 0 | <u> </u> | |
| Operator Cost/Hour: | \$40.04 | NA | | |
| operator cost from: | Ψ+0.0+ | INA | <u> </u> | |
| Total unit Cost/Hour: | \$425.34 | | | |
| Total Fleet Cost/Hour: | \$425.34 | | | |
| | | | | |
| MATERIAL QUANTIT | <u> FIES</u> | | | |
| | | | | |
| Initial Volume: 12,100 | <u>'</u> | | | |
| Swell factor: 1.215 | I CV | | | |
| Loose volume: 14,702 | LCY | | | |
| Source of estimated volume Source of estimated swell for | | nc | | |
| HOURLY PRODUCTI | <u>ON</u> | | | |
| Average push distance: | 100 feet | | | |
| Unadjusted hourly producti | on: 852.6 LCY/hr | | | |
| Materials consistency descri | iption: Consolidated stockpi | le 1.0 | | |
| | -25 % 6,400 feet | | | |
| Material weight: | 1,600 lbs/LCY | | _ | |
| Weight description: | Top Soil | | | |
| Job Condition Correction F Operator Sk | | Source (AVG.) | | |
| Material consisten | | (CAT HB) | | |
| Dozing meth | | (GEN.) | | |
| Visibil | | (AVG.) | | |

| Job efficiency: | 0.830 | (1 SHIFT/DAY) |
|------------------|-------|---------------|
| Spoil pile: | 0.900 | (SSD-FC) |
| Push gradient: | 1.516 | (CAT HB) |
| Altitude: | 1.000 | (CAT HB) |
| Material Weight: | 1.438 | (CAT HB) |
| Blade type: | 1.000 | (PAT) |

Net correction: 1.2213

Adjusted unit production: 1,041.28 LCY/hr
Adjusted fleet production: 1041.28 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.408/LCY

Total job time: 14.12 Hours
Total job cost: \$6,005

MOTOR GRADER WORK

| Task description: | Grade topsoil | | | |
|----------------------------------|--|-------------------|----------------------------|---------------------------|
| : Simla Highway Pit | Permit Action: | CN1 | Perr | mit/Job#: <u>M1995095</u> |
| PROJECT IDENTI | <u>IFICATION</u> | | | |
| Task #: 002A | State: Colorado |) | Abbrev | viation: None |
| Date: 4/24/202 | | | | ename: 002a |
| User: HR1 | | | | |
| Agency or or | ganization name: DRMS | | | |
| HOURLY EQUIPM | MENT COST | | | |
| | ine: CAT 12M | | Horsepower: | 158 |
| Ripper Attachme | | | Shift Basis: | 1 per day |
| 11 | | | Data Source: | (CRG) |
| Cost Breakdown: | | | | |
| OSSV BIVANIOS WIII | | | Utilization % | |
| | nership Cost/Hour: | \$74.98 | NA | |
| | perating Cost/Hour: | \$55.26 | 100 | |
| | nership Cost/Hour: | \$0.00 | NA | |
| | perating Cost/Hour: | \$0.00 | NT A | |
| | Operator Cost/Hour:tal Unit Cost/Hour: | \$46.87 | NA | |
| 10 | tai Unit Cost/Hour: | \$177.11 | | |
| Tot | tal Fleet Cost/Hour: \$1 | 77.11 | | |
| MATERIAL QUAN | NTITIES | | | |
| Total Ar | ea to be graded or ripped: 10.00 |) | | acres |
| Sou | arce of estimated acreage: Exhib | bit E Reclamation | Plan, CN-1 | |
| HOURLY PRODU | CTION | | | |
| HOURETTRODE | Average Grader Speed: | 1.50 | mph | |
| | Selected Application: | | grading (0-2.5 mph |) - 15 |
| | Selected Blade Angle: | 0 | degrees |) 1.0 |
| | Effective Blade Length: | 12.00 | feet | |
| | th of blade overlap per pass: | 2.00 | feet | |
| | ng or ripping width per pass: | 10.00 | feet | |
| Unadjus | ted Hourly Unit Production: | 1.8182 | acres/hour | • |
| Job Condition Correcti | on Factors | Sit | e Altitude: <u>6400</u> fe | et |
| | Source | | | |
| Altitude Adj: Job Efficiency: | | | | |
| Net Correction: | | | | |
| THE COHECHOIL | | | | |
| | Adjusted Hourly Unit Production | | acres/Hour | |
| | Adjusted Hourly Fleet Production | 1.4545 | acres/Hour | |
| JOB TIME AND C | <u>OST</u> | | | |
| Fleet size: | 1 Grader(s) | Total job time: | 6.88 | Hours |
| Unit cost: | 121.76 par sara | Total ich acet | ¢1 31 0 | |
| Unit cost: \$ | 121.76 per acre | Total job cost: | \$1,218 | |

REVEGETATION WORK

| Task description: | Revege 10 acres of ac | ctive area | | | | |
|---|-----------------------|--------------------|--------------|------------------------|---|-------------------|
| Simla Highway Pit | Permit A | Action: <u>CN1</u> | | | Permit/Job# | : <u>M1995095</u> |
| ROJECT IDENTIFI | <u>CATION</u> | | | | | |
| Task #: 003A | State: Co | lorado | | Abl | breviation: | None |
| Date: 4/24/2024 | | Paso | | | | 003a |
| User: HR1 | | 2 4.50 | | _ | | 0004 |
| Agency or organ | nization name: DRMS | | | | | |
| ERTILIZING | | | | | | |
| [aterials | | | | | | |
| Description | | Units / Acre | Unit | Cos | t / Unit | Cost /Acre |
| | | | | \$ | | \$ |
| | | | | Tot | al Fertilizer Materials Cost/Acre | \$0.00 |
| Description | | | | | | \$ |
| | | Total | Fertilizer A | Applicatio | n Cost/Acre | \$0.00 |
| <u>ILLING</u> | | | | | | |
| Description | | | | | | Cost /Acre |
| | ep (MEANS 32 91 13.23 | 6100) | | | | \$112.82 |
| | (MEANS 31 31 16.13 31 | | | | | \$338.80 |
| | | | T | otal Tillin | g Cost/Acre | \$451.62 |
| EEDING | | | | | _ | ¥ 10 1002 |
| Seed Mix | | | | Rate – PLS LBS / | Seeds per SQ. FT | Cost /Acre |
| Dlug Groma Mati | | | | Acre | | ¢6 10 |
| Blue Grama - Native Buffalograss - Native/I | Oloina | | | 0.45 | 7.35 | \$6.18 |
| Dullalograss - Native/I | rianis | | | 2.40 | 2.31 | \$28.96 |

Little Bluestem - Native

Sideoats Grama - Vaughn

Western Wheatgrass - Native

Needlegrass, Green - Lodorm

\$14.25

\$7.54

\$24.00

\$8.83

\$89.75

1.05

0.90

4.00

0.75

9.55

Totals Seed Mix

6.27

2.95

10.10

3.12

32.10

Application

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

MULCHING and MISCELLANEOUS

Materials

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

Application

| Description | | Cost /Acre |
|-------------|----------------------------------|------------|
| | | \$ |
| To | otal Mulch Application Cost/Acre | \$0.00 |

NURSERY STOCK PLANTING

| Common Name | No / Acre | Type and Size | Planting Cost | Fertilizer Pellet Cost | Cost /Acre |
|-------------|--------------|---------------|------------------|---------------------------|------------|
| | | | | | \$ |
| | | | | | |
| | \$0.00 | | | | |

JOB TIME AND COST

No. of Acres: 10 Cost /Acre: \$773.37 Estimated Failure Rate: 25% Cost /Acre*: \$321.75 *Selected Replanting Work Items: SEEDING

Initial Job Cost: **\$7,733.70** Reseeding Job Cost: \$804.38 Total Job Cost: \$8,538 Job Hours: **10.00**

REVEGETATION WORK

Maintenance of 5 reclamation acres (25%)

| | • - | | · · · · · · · · · · · · · · · · · · · | | | |
|-------|-------------------|----------------|---------------------------------------|--------------|----------|--|
| Site: | Simla Highway Pit | Permit Action: | CN1 | Permit/Job#: | M1995095 | |
| | | | | | | |

PROJECT IDENTIFICATION

Task #:003BState:ColoradoAbbreviation:NoneDate:4/24/2024County:El PasoFilename:M095-003b

User: HR1

Agency or organization name: <u>DRMS</u>

FERTILIZING

Task description:

Materials

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|-------------------------------|-----------------|-------|--|------------|
| Ammonium nitrate, 33-0-0 | 40.00 | pound | \$0.62 | \$24.93 |
| Triple superphosphate, 0-46-0 | 40.00 | pound | \$0.89 | \$35.60 |
| | | | Total Fertilizer Materials Cost/Acre | \$60.53 |

Application

| Description | | Cost /Acre |
|---|---|------------|
| Tractor towed spreader (MEANS 32 01 90.13 0120) | | \$41.82 |
| | | |
| | Total Fertilizer Application Cost/Acre | \$41.82 |

TILLING

| Description | Cost /Acre |
|--|------------|
| Disc harrowing, 6" deep (MEANS 32 91 13.23 6100) | \$112.82 |
| Weed control spraying (MEANS 31 31 16.13 3100) | \$338.80 |
| | |
| Total Tilling Cost/Acre | \$451.62 |

SEEDING

| Seed Mix | Rate – PLS LBS / Acre | Seeds per SQ. FT | Cost /Acre |
|------------------------------|--------------------------------|------------------------|------------|
| Blue Grama - Native | 0.45 | 7.35 | \$6.18 |
| Buffalograss - Native/Plains | 2.40 | 2.31 | \$28.96 |
| Little Bluestem - Native | 1.05 | 6.27 | \$14.25 |
| Sideoats Grama - Vaughn | 0.90 | 2.95 | \$7.54 |
| Western Wheatgrass - Native | 4.00 | 10.10 | \$24.00 |
| Needlegrass, Green - Lodorm | 0.75 | 3.12 | \$8.83 |
| Totals Seed Mix | 9.55 | 32.10 | \$89.75 |

Application

| Description | | Cost /Acre |
|----------------------------------|---|------------|
| Drill Seeding (DRMS Survey Cost) | | \$232.00 |
| | | |
| | Total 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 {DMG survey data} | | \$74.46 |
| Power mulcher (MEANS 32 91 13.16 0350) | | \$147.67 |
| | | |
| | Total Mulch Application Cost/Acre | \$222.13 |

NURSERY STOCK PLANTING

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

JOB TIME AND COST

No. of Acres: 1.25 Cost /Acre: \$1,957.42 Estimated Failure Rate: 25% Cost /Acre*: \$321.75

*Selected Replanting Work Items: SEEDING

Initial Job Cost: **\$2,446.78** Reseeding Job Cost: \$100.55 Total Job Cost: \$2,547
Job Hours: 1.25

EQUIPMENT MOBILIZATION/DEMOBILIZATION

| Task description: | Mob/Demob | | | |
|--------------------------|---------------------------------------|------------------------|----------------------------|---------------------|
| Site: Simla Highway Pit | Permi | t Action: CN1 | Permit/Jol | o#: <u>M1995095</u> |
| PROJECT IDENTIFICA | TION | | | |
| Task #: 004 | State: C | Colorado | Abbreviation: | None |
| Date: 4/23/2024 | County: E | El Paso | Filename: | 004 |
| User: HR1 | | | | |
| Agency or organiza | tion name: <u>DRM</u> | S | | |
| | | | | |
| EQUIPMENT TRANSPO | ORT RIG COST | | | |
| | | | Shift basis: | 1 per day |
| | | | | CRG Data |
| Truck Tractor D | escription: GEN | ERIC ON-HIGHW | AY TRUCK TRACTOR, 6X4, 1 | DIESEL POWERED. |
| 114011 1140101 2 | • • • • • • • • • • • • • • • • • • • | | 400 HP (2ND HALF, 2006) | order to whereby |
| Truck Trailer D | escription: | | IG GOOSENECK, DROP DEC | K EQUIPMENT |
| | | TR | AILER (25T, 50T, AND 100T) | |
| Cost Breakdown: | | | | |
| | | | | |
| Available Rig Capacities | 0-25 Tons | 26-50 Tons | 51+ Tons | |
| Ownership Cost/Hour | | \$36.04 | \$47.05 | |
| Operating Cost/Hour | | \$76.08 | \$82.85 | |
| Operator Cost/Hour | · | \$22.52 | \$22.52 | |
| Helper Cost/Hour | :: \$0.00 | \$0.00 \$23.53 \$23.53 | | |

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

\$82.29

| Machine | Weight/ | Owner ship | Haul Rig | Fleet | Haul Trip | Return Trip | DOT Permit |
|-----------------|---------|---------------|-------------|-------|-----------|----------------|-------------|
| Description | Unit | Cost/hr/ unit | Cost/hr/uni | Size | Cost/hr/ | Cost/hr/ fleet | Cost/ fleet |
| | (TONS) | | t | | fleet | | |
| CAT 12M | 16.01 | \$78.07 | \$82.29 | 1 | \$160.36 | \$82.29 | \$250.00 |
| Drill/Broadcast | 25.00 | \$6.73 | \$82.29 | 1 | \$89.02 | \$82.29 | \$250.00 |
| Seeder with | | | | | | | |
| Tractor | | | | | | | |
| Power Mulcher | 6.00 | \$25.94 | \$82.29 | 1 | \$108.23 | \$82.29 | \$250.00 |
| (Bowie LD-90) | | | | | | | |
| Cat D8T - 8SU | 47.71 | \$241.38 | \$158.17 | 1 | \$399.55 | \$158.17 | \$250.00 |

\$158.17

\$175.95

Subtotals: \$757.16 \$405.04 \$1,000.00

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. | \$100.24 | 1 | \$100.24 | \$100.24 |
| Crew | | | | |

Subtotals: \$100.24 \$100.24

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

LIMON

miles

55.00

mph

Total Non-Roadable Mob/Demob Cost *
 '* two round trips with haul rig:
 Total Roadable Mob/Demob Cost **
 ** one round trip, no haul rig:

\$3,898.23

\$98.42

Transportation Cycle Time:

| | Non- | |
|-------------------------|-----------|-----------|
| | Roadable | Roadable |
| | Equipment | Equipment |
| Haul Time (Hours): | 0.49 | 0.49 |
| Return Time (Hours): | 0.49 | 0.49 |
| Loading Time (Hours): | 0.25 | NA |
| Unloading Time (Hours): | 0.25 | NA |
| Subtotals: | 1.48 | 0.98 |

JOB TIME AND COST

Total job cost: 2.96 Hours

Total job cost: \$3,997