## Estimate of 3rd party contractor equipment, camp & supplies to execute A&R Plan

| | | | | | | Unit Dimesnsions (m) | | | Unit Voume | Total Volume | Unit Weight | Total Weight | Revenue Tonne | | | Backhaul Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Description | Quantity Required for A&R or winter 2010 Ops | Required for A&R or winter 2010 Ops | UOM | Land freight unit Cost | Land Freight Cost | Length | Width | Height | m3 | m3 | kgs | Kgs | Volume | Weight | Invoice Revenue Tonne | |
| TA800 Kenworths | 6 | 6 | ea | $4,980 | $29,880 | 10.80 | 2.74 | 2.74 | 81.1 | 486.5 | 15000 | 90000 | 194.60 | 90.00 | 194.60 | |
| Triaxle Pups | 6 | 6 | ea | $3,375 | $20,250 | 9.95 | 2.74 | 2.60 | 70.9 | 425.3 | 6364 | 38182 | 170.12 | 38.18 | 170.12 | |
| decks for Kenworths | 2 | 2 | ea | | $0 | 7.60 | 2.74 | 1.50 | 31.2 | 62.5 | 3182 | 6364 | 24.99 | 6.36 | 24.99 | |
| Ambulance Insert | 1 | 1 | ea | | $0 | 2.43 | 1.80 | 1.70 | 7.4 | 7.4 | 455 | 455 | 2.97 | 0.45 | 2.97 | |
| 345B Excavator | 2 | 2 | ea | $20,000 | $40,000 | 11.89 | 3.66 | 3.81 | 165.8 | 331.6 | 48182 | 96364 | 132.64 | 96.36 | 132.64 | |
| Genset - 545 Kva - 30' | 1 | 1 | ea | | $0 | 9.14 | 3.80 | 3.60 | 125.0 | 125.0 | 10000 | 10000 | 50.01 | 10.00 | 50.01 | |
| 980H Loader | 2 | 2 | ea | | $0 | 9.68 | 3.71 | 3.80 | 136.5 | 272.9 | 30909 | 61818 | 109.17 | 61.82 | 109.17 | |
| 966 loader | 1 | 1 | ea | | $0 | 9.14 | 3.04 | 3.66 | 101.7 | 101.7 | 25000 | 25000 | 40.68 | 25.00 | 40.68 | |
| 930 Loader (IT28) | 1 | 1 | ea | | $0 | 7.60 | 2.60 | 3.35 | 66.2 | 66.2 | 13636 | 13636 | 26.48 | 13.64 | 26.48 | |
| D8T Dozers | 1 | 1 | ea | $20,000 | $20,000 | 7.32 | 3.96 | 3.66 | 106.1 | 106.1 | 40000 | 40000 | 42.44 | 40.00 | 42.44 | |
| D7 Dozers | 1 | 1 | ea | | $0 | 7.32 | 3.96 | 3.66 | 106.1 | 106.1 | 40000 | 40000 | 42.44 | 40.00 | 42.44 | |
| D6 Dozer | 1 | 1 | ea | | $0 | 6.70 | 3.81 | 3.35 | 85.5 | 85.5 | 21818 | 21818 | 34.21 | 21.82 | 34.21 | |
| CS563 Packer | 1 | 1 | ea | | $0 | 6.10 | 2.43 | 3.20 | 47.4 | 47.4 | 11818 | 11818 | 18.97 | 11.82 | 18.97 | |
| Winch Truck | 1 | 1 | ea | | $0 | 7.60 | 2.74 | 4.27 | 88.9 | 88.9 | 13636 | 13636 | 35.57 | 13.64 | 35.57 | |
| Scis Deck - 50 ton | 1 | 1 | ea | | $0 | 16.76 | 3.20 | 0.91 | 48.8 | 48.8 | 11364 | 11364 | 19.52 | 11.36 | 19.52 | |
| Tria Trailer - 50,000l | 1 | 1 | ea | | $0 | 14.63 | 2.44 | 3.66 | 130.7 | 130.7 | 9545 | 9545 | 52.26 | 9.55 | 52.26 | |
| F350 pickups | 5 | 5 | ea | $1,000 | $5,000 | 6.70 | 2.13 | 2.13 | 30.4 | 152.0 | 3636 | 18182 | 60.79 | 18.18 | 60.79 | |
| F550 Mech/welder | 2 | 2 | ea | | $0 | 6.70 | 2.43 | 2.13 | 34.7 | 69.4 | 5455 | 10909 | 27.74 | 10.91 | 27.74 | |
| Water Truck | 1 | 1 | ea | | $0 | 6.70 | 2.60 | 3.04 | 53.0 | 53.0 | 8409 | 8409 | 21.18 | 8.41 | 21.18 | |
| RO/RO Truck | 1 | 1 | ea | | $0 | 10.36 | 2.60 | 3.66 | 98.6 | 98.6 | 16364 | 16364 | 39.43 | 16.36 | 39.43 | |
| RO/RO c/w attach. | 3 | 3 | ea | | $0 | 6.70 | 2.44 | 2.13 | 34.8 | 104.5 | 3636 | 10909 | 41.79 | 10.91 | 41.79 | |
| 16H Grader | 1 | 1 | ea | | $0 | 11.89 | 3.20 | 3.66 | 139.3 | 139.3 | 25455 | 25455 | 55.70 | 25.45 | 55.70 | |
| 14H Grader | 1 | 1 | ea | | $0 | 10.97 | 2.90 | 3.35 | 106.6 | 106.6 | 20455 | 20455 | 42.63 | 20.45 | 42.63 | |
| Camp - Trailers | 2 | 2 | ea | $16,200 | $32,400 | 20.12 | 3.66 | 3.60 | 265.1 | 530.2 | 15682 | 31364 | 212.08 | 31.36 | 212.08 | |
| Incinerator | 1 | 1 | ea | | $0 | 4.87 | 1.82 | 2.74 | 24.3 | 24.3 | 7273 | 7273 | 9.71 | 7.27 | 9.71 | |
| Lunch/washcar comb | 2 | 2 | ea | | $0 | 6.09 | 3.66 | 3.60 | 80.2 | 160.5 | 5455 | 10909 | 64.19 | 10.91 | 64.19 | |
| Office Trailer | 1 | 1 | ea | | $0 | 12.80 | 3.73 | 3.20 | 152.8 | 152.8 | 10000 | 10000 | 61.11 | 10.00 | 61.11 | |
| Light Plants | 4 | 4 | ea | | $0 | 4.82 | 2.03 | 2.29 | 22.4 | 89.6 | 955 | 3818 | 35.85 | 3.82 | 35.85 | |
| Heaters | 4 | 4 | ea | | $0 | 1.77 | 1.20 | 1.28 | 2.7 | 10.9 | 209 | 836 | 4.35 | 0.84 | 4.35 | |
| Containers - Supplies | 10 | 10 | ea | $2,500 | $25,000 | | | | 38.5 | 385.1 | 4000 | 40000 | 154.04 | 40.00 | 154.04 | |
| | | | | | $0 | | | | | | | | 0.00 | 0.00 | 0.00 | |
| | | | | | $172,530 | | | Total | | 4,569.21 | | 704,882 | | | 1,827.69 | |

Estimation of typical Revenue Tonnes/Volume ratio based on summary of 3rd party contractor equipment =

| | | |
|---|---|---|
| Volmue | 4,569 | Cubes |
| Revenue Tonnes | 1,828 | |
| Rev. Tonnes/Volume Ratio | 0.4 | |

**Unit volume land freight trucking cost calculations based on Vendor Quotes.**

**Nuna LandFreight Cost Valleyfield to Edmonton**

| | | |
|---|---|---|
| Nuna Freight Volume Cubes | | 4,569.21 |
| Land freight Cost provided by a quote | $ | 172,530 |
| Land freight cost /cube | $ | 37.76 |
| Salt Volume | | 2040 |
| Salt land freight cost =25/cube return to vendor | | 25 |
| Total salt land freight cost | $ | 51,000 |