

Item Description - Six Wheel Drive Motor Grader		AWARD		
		Murphy Tractor & Equip Co	Scott Van Keppel	NMC Inc
Line #	State Agency Data Use for Calculations			
1	Projected Number of Months in Service:	180	180	180
2	Projected Number of Hours of Operation per Month	30	30	30
3	Projected Total Number of Hours	5,400	5,400	5,400
4	Number of Maintenance Cycles Performed Per Year	2	2	2
5	Fuel Cost-per-Gallon: (Current eia-U.S. Energy Information Administration)	\$ 2.95	\$ 2.95	\$ 2.95
Net Cost				
6	Bid Price (Listed on ITB Line # 1)	\$ 202,159.00	\$ 205,837.00	\$ 241,788.00
7	Projected Salvage Value (Using Projected Total Hours & Projected Total Months)	\$ 59,000.00	\$ 78,200.00	\$ 132,000.00
8	Total Net Cost (Line 6 - Line 7)	\$ 143,159.00	\$ 127,637.00	\$ 109,788.00
Operating Costs				
	Fuel			
9	Estimated Fuel Use Rate (Gallons Per Hour)	4	3.8	5.7
10	Projected Number of Hours	5,400	5,400	5,400
11	Projected Total Gallons (Line 9 x Line 10)	\$ 21,600.00	\$ 20,520.00	\$ 30,780.00
12	Fuel Cost-per-Gallon (Current eia-U.S. Energy Information Administration)	\$ 2.95	\$ 2.95	\$ 2.95
13	Total Estimated Fuel Cost (Line 11 x Line 12)	\$ 63,720.00	\$ 60,534.00	\$ 90,801.00
Estimated Maintenance Cost for Parts & Materials (Labor not included)				
14	Total Maintenance Cost	\$ 14,427.10	\$ 23,224.80	\$ 16,987.67
15	Total Operating Cost (Fuel + Maintenance) (Line 13 + Line 14)	\$ 78,147.10	\$ 83,758.80	\$ 107,788.67
16	Total Life-Cycle Cost (Net Cost, Line 8 + Total Operating Cost, Line 15)	\$ 221,306.10	\$ 211,395.80	\$ 217,576.67
17	Life-Cycle Cost Per Hour (Total Life-Cycle Cost divided by Total Hours) (Line 16/Line 3)	\$ 40.98	\$ 39.15	\$ 40.29

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Maintenance Cost Work Sheet								
Item No.	Total Maintenance Costs - Indicate materials necessary to provide maintenance for 5400 hours. (Subject to Add or Delete items for consideration)	No. of Maint. Procedures Performed During Life Cycle of Unit	Vendor Supplied Cost for Material and/or Parts	Total Cost	Vendor Supplied Cost for Material and/or Parts	Total Cost	Vendor Supplied Cost for Material and/or Parts	Total Cost
1	Change Engine oil and filter(s)	36	\$ 144.67	\$ 5,208.12	\$ 123.20	\$ 4,435.20	\$ 130.18	\$ 4,686.48
2	Lube Chassis (grease all zerks)	36	\$ 3.84	\$ 138.24	\$ 8.40	\$ 302.40	\$ 3.46	\$ 124.56
3	Change Engine fuel filter(s) and sediment bowl	15	\$ 105.00	\$ 1,575.00	\$ 90.50	\$ 1,357.50	\$ 57.22	\$ 858.30
4	Change Engine air filters	10	\$ 112.25	\$ 1,122.50	\$ 108.00	\$ 1,080.00	\$ 70.61	\$ 706.10
5	Change Cab air filters	10	\$ 31.49	\$ 314.90	\$ 289.80	\$ 2,898.00	\$ 71.50	\$ 715.00
6	Change Hydraulic oil and filters	6	\$ 237.76	\$ 1,426.56	\$ 554.60	\$ 3,327.60	\$ 653.93	\$ 3,923.58
7	Change Transmission oil and filters	6	\$ 74.04	\$ 444.24	\$ 501.30	\$ 3,007.80	\$ 338.79	\$ 2,032.74
8	Change Differential oil	6	\$ 117.23	\$ 703.38	\$ 75.40	\$ 452.40	Included	
9	Change Rear Tandem/Final Drive oil	6	\$ 493.60	\$ 2,961.60	\$ 968.80	\$ 5,812.80	\$ 538.08	\$ 3,228.48
10	Repack Front wheel bearings include new seals	6	N/A			\$ -	N/A	
11	Change oil in front final drives if applicable	6	\$ 46.26	\$ 277.56		\$ -	\$ 56.64	\$ 339.84
12	Adjust Engine Valve clearance	2	\$ 30.90	\$ 61.80	\$ 172.50	\$ 345.00	\$ 61.21	\$ 122.42
13	Replace Engine Belt(s)	3	\$ 64.40	\$ 193.20	\$ 68.70	\$ 206.10	\$ 83.39	\$ 250.17
14	Vendor added procedures to be listed below as needed				Brake Oil 2X \$29.96=\$59.92 Please see Addendum One for Volvo's recommended Service intervals. \$11,543.95 in savings.		Circle Drive 6 X \$20.96= 125.76 Hyd Tank-Trans-Tandem Breather 6 X \$26.57=\$159.42	
Total Life Cycle Maintenance Cost (To be entered in Line 14)			\$	14,427.10	\$	23,224.80	\$	16,987.67