

Item Description - Articulated All Wheel Drive Loader with Minimum 1.5 Cubic Yard Bucket		Life Cycle Award	
		Murphy Tractor & Equip Co	Titan Machinery
Line #	State Agency Data Use for Calculations		
1	Projected Number of Months in Service:	156	156
2	Projected Number of Hours of Operation per Month	25	25
3	Projected Total Number of Hours	3,900	3,900
4	Number of Maintenance Cycles Performed Per Year	2	2
5	Fuel Cost-per-Gallon: (Current eia-U.S. Energy Information Administration)	\$ 2.92	\$ 2.92
Net Cost			
6	Bid Price (Listed on ITB Line # 1)	\$ 98,508.00	\$ 88,943.00
7	Projected Salvage Value (Using Projected Total Hours & Projected Total Months)	\$ 55,500.00	\$ 53,366.00
8	Total Net Cost (Line 6 - Line 7)	\$ 43,008.00	\$ 35,577.00
Operating Costs			
	Fuel		
9	Estimated Fuel Use Rate (Gallons Per Hour)	2	4.45
10	Projected Number of Hours	3,900	3,900
11	Projected Total Gallons (Line 9 x Line 10)	\$ 7,800.00	\$ 17,355.00
12	Fuel Cost-per-Gallon (Current eia-U.S. Energy Information Administration)	\$ 2.92	\$ 2.92
13	Total Estimated Fuel Cost (Line 11 x Line 12)	\$ 22,776.00	\$ 50,676.60
Estimated Maintenance Cost for Parts & Materials (Labor not included)			
14	Total Maintenance Cost	\$ 8,430.06	\$ 7,647.71
15	Total Operating Cost (Fuel + Maintenance) (Line 13 + Line 14)	\$ 31,206.06	\$ 58,324.31
16	Total Life-Cycle Cost (Net Cost, Line 8 + Total Operating Cost, Line 15)	\$ 74,214.06	\$ 93,901.31
17	Life-Cycle Cost Per Hour (Total Life-Cycle Cost divided by Total Hours) (Line 16/Line 3)	\$ 19.03	\$ 24.08

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Maintenance Cost Work Sheet						
Item No.	Total Maintenance Costs - Indicate materials necessary to provide maintenance for 3900 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
1	Change Engine oil and filter(s)	26	\$ 87.41	\$ 2,272.66	\$ 85.65	\$ 2,226.90
2	Lube Chassis (grease all zerks)	26	\$ 3.84	\$ 99.84	\$ 3.35	\$ 87.10
3	Change Engine fuel filter(s) and sediment bowl	13	\$ 31.75	\$ 412.75	\$ 42.64	\$ 554.32
4	Replace Transmission filter	13	\$ 43.25	\$ 562.25	\$ 70.67	\$ 918.71
5	Replace Engine Air Filters	6	\$ 88.75	\$ 532.50	\$ 72.74	\$ 436.44
6	Replace Cab Air Filters	6	\$ 31.49	\$ 188.94	\$ 38.07	\$ 228.42
7	Change Transmission oil	6	\$ 204.84	\$ 1,229.04	\$ 69.95	\$ 419.70
8	Change Hydraulic oil and filters	4	\$ 510.98	\$ 2,043.92	\$ 448.02	\$ 1,792.08
9	Change Differential/Final Drive oil	4	\$ 143.14	\$ 572.56	\$ 174.04	\$ 696.16
10	Replace Engine coolant	4	\$ 51.35	\$ 205.40	\$ 48.54	\$ 194.16
11	Adjust Engine Valve clearance	3	\$ 39.00	\$ 117.00	\$ 15.70	\$ 47.10
12	Replace Engine Belt(s)	3	\$ 64.40	\$ 193.20	\$ 15.54	\$ 46.62
14	Vendor added procedures to be listed below as needed				Per CASE Operator's Manual Total Cost would be \$5,950.47	
	Total Life Cycle Maintenance Cost (To be entered in Line 14)		\$ 8,430.06		\$ 7,647.71	