

**Interior Lake Timber Sale Maintenance Plan  
Appraisal Estimate**

DATE: 4/25/2016

Pg. 1 of 2

Road Number	Mile Post	Item Description	Season of Use	Unit	Quantity	Unit Allowance	Appraisal Allowance	
<b>5250-M</b>			<b>S</b>					
	0.00-0.80	Clear, grub, shape road to crown to match typical drawings. Restore ditches at culvert locations as directed by the Forest Service		Mile	0.80	3,000	\$ 2,400.00	
	0.00-0.01	Furnish, haul, and place 15 CY crushed aggregate to surface entrance. (19.5 CY loose).		CY	15	30	\$ 450.00	
	0.03	Haul and place 30 CY pit run from North Jaybird Pit (39 CY loose).		CY	30	14	\$ 420.00	
	0.16	Protect pipe.						
	0.38	Construct turnaround, Left.		LS	1	150	\$ 150.00	
	0.42	Protect pipe.						
	0.55	Protect pipe						
	0.55	Haul 15 CY pit run gravel (19.5 loose) and place in low area before pipe.		CY	15	14	\$ 210.00	
	0.78	Construct turnaround spur right at milepost 0.78 and bank excavation at POE right to widen and reshape slope.		LS	1	200	\$ 200.00	
		<b>5250-M ROAD MAINTENANCE TOTAL</b>						<b>\$ 3,830.00</b>
<b>5250-P</b>								
	0.00-0.38	Clearing and grubbing with minor shaping of road, and small brush/tree clearing to match typical drawing as directed by Forest Service. Conserve topsoil and overburden.		Mile	0.38	2,400	\$ 912.00	
	0.00-0.01	Furnish, haul, and place 15 CY crushed aggregate to surface entrance. (19.5 CY loose)		CY	15	30	\$ 450.00	

W=Winter, D=Dry Summer S=Summer Normal

Prepared By Michael Jarvi  
Civil Engineering Technician

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				DATE:	4/25/2016		Pg. 2 of 2
Road Number	Mile Post	Item Description	Season of Use	Unit	Quantity	Unit Allowance	Appraisal Allowance
<b>5250-P, continued</b>							
	0.19	Construct turnaround, Left.		LS	1	75	\$ 75.00
<b>5250-P ROAD MAINTENANCE TOTAL</b>							<b>\$ 1,437.00</b>
<b>Any Purchaser Responsibility Maintenance Road for During Haul Road Maintenance</b>							
		Haul and spot place as directed by Forest Service 75 CY (97.5 CY loose) pit run gravel for During Haul Road Maintenance. (T8130)		CY	75	14	\$ 1,050.00
<b>Interior Lake Stewardship Grand Total Road Maintenance Plan Appraisal Estimate</b>							<b>\$ 6,317.00</b>

**INTERIOR LAKE STEWARDSHIP**  
**ROAD MAINTENANCE PLAN/APPRAISAL NOTES**

- NOTE:** There may be underground utility lines in unknown locations on this project. Call **MISS DIG THREE** full working days before any work begins. Phone 1-800-482-7171.
- NOTE:** During gravel hauling operations, safety signs shall be placed as directed by the Forest Service. See Sale Area Map for specific sign locations and Traffic Control Plan for sign size and type. *Signs shall be in place prior to hauling.*
- NOTE:** All finished roadbeds shall be 12' as shown in the typical details for crowned roads with no ditches, 1' ditches and outsloped roads. Roads requiring ditch restoration shall be cleared and grubbed to the back of ditch line and re-graded to allow the ditch to drain.
- NOTE:** Blading and shaping requires filling in existing ruts and placing a crown to conform to the typical detail for a crown with no ditches, or outsloped roads.
- NOTE:** Additional lead-off ditches may be required at road segment locations to allow for proper drainage needs and are included under typical blading and shaping requirements. Locations for placement shall be determined by the Forest Service and are included in appraised allowance for clearing and shaping.
- NOTE:** There is **30 CY of 22-A crushed aggregate** required for the road entrances. The normal compaction factor of 130% computes to a loose volume of **39 CY**. *There is no government source available for crushed aggregate.* Purchaser furnished material shall meet gradation requirements for the Michigan Department of Transportation-Designation 22A. Compact the aggregate by operating spreading and hauling equipment over the full width of material.
- NOTE:** There is **120 CY of pit run borrow material** required for road maintenance throughout the contract area. **This includes 75 CY of pit run to be spot placed as "During Haul Road Maintenance"** as directed by the Forest Service. The normal compaction factor of 130% for pit run computes to a loose volume of **156 CY**. The material source for this project is the **North Jay Bird Pit**, located at T46N, R39W, Section 30, *unless agreed otherwise by the Forest Service*. Some pit development may be required and is considered incidental to associated items.