

## BRIAR PATCH TIMBER SALE MAINTENANCE PLAN

DATE: 10/13/2015

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Road Number	Mile Post	Item Description	Season of Use	Unit	Quantity	Unit Allowance	Appraisal Allowance	
<b>5010-A</b>			<b>S</b>					
	0.00-0.58	Minor shaping of road to crown. Clearing and grubbing road, small brush/trees to match typical drawing as directed by the Forest Service.(maintain gravel shape and depth through surfaced portion of bike trail)		Mile	0.58	1,200	\$ 696.00	
	0.00-0.01	Furnish, haul, and place 15 C.Y. crushed aggregate to surface entrance. (19.5 C.Y. loose material)		C.Y.	15	25	\$ 375.00	
		<b>FR 5010-A Total Maintenance</b>					<b>\$ 1,071.00</b>	
<b>5010-A1</b>			<b>S</b>					
	0.00-0.44	Minor shaping of road to crown. Clearing and grubbing road, small brush/trees to match typical drawing as directed by the Forest Service.(maintain gravel shape and depth through entire surfaced portion of bike trail)		Mile	0.44	1,200	\$ 528.00	
		Furnish, haul, and place 30 CY crushed aggregate to surface entrance. 39 CY loose material) During haul used as directed by the Forest Service and/or at any bike trail intersection.		C.Y.	30	25	\$ 750.00	
		<b>FR 5010-A1 Total Maintenance</b>					<b>\$ 1,278.00</b>	
<b>5010-C</b>			<b>S</b>					
	0.00-0.26	Shape road to crown or out slope. Clearing and grubbing road, to match typical drawings as directed by the Forest Service. (Conserve topsoil/overburden)		Mile	0.26	1,500	\$ 390.00	
	0.26-0.69	<b>Not addressed in Maintenance Plan due to haul route.</b>						
	0.69-0.87	Shape road to crown or out slope. Clearing and grubbing road, to match typical drawings as directed by the Forest Service. (Conserve topsoil/overburden)		Mile	0.18	1,500	\$ 270.00	
		<b>FR 5010-C Total Maintenance</b>					<b>\$ 660.00</b>	

W=Winter S=Summer Normal

Prepared By Michael Jarvi  
Civil Engineering Technician

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Road Number	Mile Post	Item Description	Season of Use	Unit	Quantity	Unit Allowance	Appraisal Allowance
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<b>5010-C1</b>			<b>D</b>				
	0.26-0.46	Shape road to crown or out slope. Clearing and grubbing road, to match typical drawings as directed by the Forest Service. (Conserve topsoil/overburden)		Mile	0.20	1,200	\$ 240.00
	0.46	Furnish, haul, and place 15 CY crushed aggregate (19.5 CY loose) at POE (entrance onto Military Road).		C.Y.	15	25	\$ 375.00
		<b>FR 5010-C1 Total Maintenance</b>					<b>\$ 615.00</b>
		<b>During haul 60 C.Y. pit run (78 loose material) to be used on any maintenance road segment as directed and agreed to by the Forest Service.</b>		<b>C.Y.</b>	<b>60</b>	<b>15</b>	<b>\$ 900.00</b>
		<b>Grand Total Road Maintenance Plan Briar Patch Timber Sale</b>					<b>\$ 4,524.00</b>

**BRIAR PATCH TIMBER SALE**  
**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:** Road maintenance appraised roads include all roads or portions of roads not included in specified road work.
- NOTE:** All finished roadbeds shall be 12' as shown in the typical details for crowned roads with no ditches, 1' ditches and out sloped roads.
- NOTE:** During clear and grub operations **all slash** resulting from purchasers operations shall be treated per Special Provision CT6.7#.
- NOTE:** There are **30 C.Y. of crushed aggregate** required for the road maintenance entrances. This volume plus the normal compaction factor of 130% computes to a loose volume of 39 C.Y. loose material. *Purchaser furnished material shall meet the gradation requirements for Michigan Department of State Highway Transportation designation for 22-A.* Compact the aggregate by operating spreading and hauling equipment over the full width. **There is no government source available for crushed gravel for this project.**
- NOTE:** **An additional 30 C.Y. of crushed aggregate (39 C.Y. loose material) used as directed and/or at bike intersections to protect edges and transitions with existing bike travel way surfacing aggregate.** *Purchaser furnished material shall meet the gradation requirements for Michigan Department of State Highway Transportation designation for 22-A.* Compact the aggregate by operating spreading and hauling equipment over the full width. **There is no government source available for crushed gravel for this project.**
- NOTE:** During crushed gravel hauling and pit run operations, safety signs shall be placed as directed by the Forest Service. See Contract Area Map for specific sign locations and Traffic Control Plan for sign size and type. *Signs shall be in place prior to hauling.*
- NOTE:** **Pit run gravel 60 C.Y.** (78 loose material) used "**During Haul**" may be taken from the Pit Lake Pit which is located at T45N, R40W, within Section 25. This material may be placed on any maintenance segment as directed and agreed to by the Forest Service.