

# SUMMER GARDEN TIMBER SALE MAINTENANCE PLAN

DATE: 12/9/2015

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Road Number	Mile Post	Item Description	Season of Use	Unit	Quantity	Unit Allowance	Appraisal Allowance
<b>5013</b>			<b>S</b>				
	0.01-0.25	Shape road to crown with clearing and grubbing road to match typical drawing as directed by the Forest Service.		Mile	0.24	3,000	\$ 720.00
		<b>FR 5013 Total Maintenance</b>					<b>\$ 720.00</b>
<b>5014</b>			<b>S</b>				
	0.00-0.17	Shape road to crown with clearing and grubbing road to match typical drawing as directed by the Forest Service. Remove Berm		Mile	0.17	3,800	\$ 646.00
	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
	0.00-0.01	Haul and place 30 C.Y. pit run gravel to widen entrance (39 C.Y. loose material)		C.Y.	30	11	\$ 330.00
		<b>FR 5014 Total Maintenance</b>					<b>\$ 1,351.00</b>
<b>5010-L</b>			<b>S</b>				
	0.00-0.34	Minor shaping of road to crown. Minor clearing and grubbing		Mile	0.34	1,500	\$ 510.00
	0.03-0.06	Furnish, haul and place 24 C.Y. crushed aggregate. (31 C.Y. loose material) (150'L X 13'W x 4"D)		C.Y.	24	25	\$ 600.00
	0.05	Excavate left bank to widen travel way and taper slope.		L.S.	1	100	\$ 100.00
	0.1	Haul and place 30 C.Y. pit run. (39 C.Y. loose material)		C.Y.	30	11	\$ 330.00
	0.15	Haul and place 30 C.Y. pit run. (39 C.Y. loose material)		C.Y.	30	11	\$ 330.00
	0.34-0.52	Shape road to crown and clear/grub match typical drawings as directed by the Forest Service. Improve turnaround left		Mile	0.18	3,400	\$ 612.00
		<b>FR 5010-L Total Maintenance</b>					<b>\$ 2,482.00</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
<b>FR 3949</b>			<b>S</b>				<b>Pg. 2 of 2</b>
	0.00-0.60	Minor surface blading to crown Left side of Forest Road 3949.		Mile	0.60	1,000	\$ 600.00
	0.22-0.25	Furnish, haul, and place 24 C.Y. crushed aggregate to surface turnout linear landing left (31 C.Y. loose material) (150'L x 13'W x 4"D)		C.Y.	24	25	\$ 600.00
		<b>FR 3949 Total Maintenance</b>					<b>\$ 1,200.00</b>
<b>3949-A</b>			<b>S</b>				
	0.00-0.03	Minor surface blading with small brush removal.		LS	1	75	\$ 75.00
		<b>FR 3949-A Total Maintenance</b>					<b>\$ 75.00</b>
<b>3949-C</b>			<b>S</b>				
	0.00-0.34	Shape road to crown with clearing and grubbing road to match typical drawing as directed by the Forest Service.		Mile	0.34	3,300	\$ 1,122.00
		<b>FR 3949C Total Maintenance</b>					<b>\$ 1,122.00</b>
		"During haul" 50 C.Y. pit run (65 loose) to be used on any maintenance road segment as directed by the Forest Service.		C.Y.	50	11	\$ 550.00
		<b>Summer Garden Timber Sale Grand Total Road Maintenance Plan</b>					<b>\$ 7,500.00</b>

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**SUMMER GARDEN 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:** Road work designating local excavation shall be built to conserve and redistribute topsoil to help prevent erosion after excavation has occurred. Cut slopes at excavation locations need to be tapered to a minimum of 2:1.
- NOTE:** There is **63 CY of crushed aggregate** identified for placement on maintenance segments of purchaser responsibility roads. This volume plus the normal compaction factor of 130% computes to a loose volume of 82 CY. *Purchaser furnished material shall meet the gradation requirements for Michigan Department of State Highway Transportation designation for 22-A. There is no government source available for crushed gravel for this project.*
- NOTE:** There is **140 CY of pit run gravel** identified for placement on maintenance segments of purchaser responsibility roads. This volume plus the normal compaction factor of 130% computes to a loose volume of 182 CY. **Included in this total is 50 CY (65 CY loose) of pit run gravel to be used "During Haul" as directed by the Forest Service.** Pit run gravel may be taken from the **308 Pit, located in T44N, R38W, Section 32** unless agreed otherwise by the Forest Service.
- NOTE:** During gravel hauling 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.*