

SHORT SPURS STEWARDSHIP TIMBER SALE
ROADWORK MAINTENANCE PLAN-APPRAISAL ALLOWANCE

Pg. 1 of 2

DATE: 3/18/2015

Road Number	Mile Post	Item Description	Season of Use	Unit	Quantity	Unit Allowance	Appraisal Allowance
FR 8350			D/W				
	0.00-0.42	Shape road to crown or outslope. Clearing and grubbing road, and restoring ditches to match typical drawing as directed by the Forest Service.		Mile	0.42	1,500	\$ 630.00
	0.00-0.01	Furnish, haul and place 15 C.Y. crushed aggregate material to surface entrance. (19.5 C.Y. loose material)		C.Y.	15	25	\$ 375.00
	0.03	Outlet ditch left, 60' long. Incorporate material into road.		L.S.	1	60	\$ 60.00
	0.01-0.05	Unclassified borrow. Work includes hauling and placing 60C.Y. (78 C.Y. loose) pit run borrow from Blue Jay Pit. Finished travel surface will be 12'W. 200'L x 12'W x 8"D		CY	60	11	\$ 660.00
		FR 8350 total maintenance					\$ 1,725.00
FR 8370			D/W				
	0.00-0.39	Shape road to crown or outslope. Clearing and grubbing road, and restoring ditches to match typical drawing as directed by the Forest Service.		Mile	0.39	2,000	\$ 780.00
	0.00-0.01	Furnish, haul and place 15 C.Y. crushed aggregate material to surface entrance. (19.5 C.Y. loose material)		C.Y.	15	25	\$ 375.00
	0.01-0.04	Unclassified borrow. Work includes hauling and placing 45C.Y. (58.5 C.Y. loose) pit run borrow from Blue Jay Pit. Finished travel surface will be 12'W. 150'L x 12'W x 8"D		CY	45	11	\$ 495.00
	0.39-0.80	Shape road to crown or outslope. Clearing and grubbing road, and restoring ditches to match typical drawing as directed by the Forest Service.		Mile	0.41	3,300	\$ 1,353.00

W=Winter, D=Dry Summer

Prepared By Alan Pekkala
Civil Engineering Technician

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Pg. 2 of 2

DATE: 3/18/2015

Road Number	Mile Post	Item Description	Season of Use	Unit	Quantity	Unit Allowance	Appraisal Allowance
FR 8370 Cont.			D/W				
	0.00-0.80	Appraisal allowance for 75 C.Y. pit run gravel "during haul" spot placed as directed by the Forest Service, per T-8130. (97.5cy loose material)		C.Y.	75	11	\$ 825.00
		FR 8370 total maintenance					\$ 3,828.00

FR 8373			D/W				
	0.00-0.13	Shape road to crown or outslope. Clearing and grubbing road to match typical drawing as directed by the Forest Service.		Mile	0.13	4,000	\$ 520.00
	0.10-0.12	Excavate slope to decrease grade. Incorporate material into travelway low area. 50'L x 20"W x 3'D		C.Y.	111	5	\$ 555.00
	0.10-0.12	Unclassified borrow. Work includes hauling and placing 30C.Y. (39 C.Y. loose) pit run borrow, from Blue Jay Pit. Finished travel surface will be 12'. 100'L x 12'W x 8"D		CY	30	11	\$ 330.00
		FR 8373 total maintenance					\$ 1,405.00
FR 8375			D/W				
	0.00-0.03	Shape road to crown or outslope. Clearing and grubbing road to match typical drawing as directed by the Forest Service.		Mile	0.03	5,000	\$ 150.00
	0.00-0.02	Widen left curve radius and incorporate material into roadway.		Each	1	350	\$ 350.00
		FR 8375 total maintenance					\$ 500.00
		Grand Total Maintenance					\$ 7,458.00

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ROAD MAINTENANCE APPRAISAL NOTES

- 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 operation shall be treated as per KT 6.7#.
- 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, crown 1' ditches or out sloped roads.
- NOTE: Additional outlet or lead out ditches may be required at road segment locations to allow for proper drainage needs. Locations for placement shall be determined by the Forest Service and are included in the appraised allowance for clearing and shaping.
- NOTE: During borrow hauling operations "Trucks Hauling" signs shall be placed on Dunham Road, FR's 8100 and 8300. **Hauling shall not commence until all signs are placed as directed by the Forest Service.**
- NOTE: There is **210 C.Y. of pit run** material required for road maintenance segments. This volume plus the normal compaction factor of 130% for pit run computes to a loose volume of 273 C.Y. The material source for this project is the Blue Jay Pit, located at T45N, R44W, Section 2, unless changed by agreement with the Forest Service. Some pit development may be required and is considered incidental to associated items.
- NOTE: There is **30 C.Y. of crushed aggregate surfacing** (39 C.Y. loose) to be placed at the entrances of FR's 8350 and 8370. **There is no government source available for this project.** Purchaser furnished material shall meet gradation requirements for the Michigan Department of State Highway Transportation-Designation 22A. Compact the aggregate by operating spreading and hauling equipment over the full width.
- 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.