

**Old Grade Stewardship -20181**

**Road Maintenance Adjustments - attachment to Sale Report**

R Powell 3/10/2015

**PRE-HAUL MAINTENANCE (see Engineer's Worksheet for specific details)**

(all-1)

Road Number	Length (miles)				Total Cost
8146	0.95				\$3,745.00
8148-B	0.20				\$1,150.00
8150	1.05				\$5,482.00
8150-C	0.05				\$300.00
8153	0.80				\$2,640.00
	0.00				\$0.00
	0.00				\$0.00
	0.00				\$0.00

**Total: 3.05 Total: \$13,317.00**

\*Note:

**RE-CURRENT MAINTENANCE**

(all-2)

Road Number	Length (miles)	# Times	During # Season	Unit Cost	Total Cost
8146	0.95	1	Winter 2	\$650.00	\$617.50
8148	0.45	1	Summer 2	\$650.00	\$292.50
8148-B	0.20	1	Summer 2	\$650.00	\$130.00
8150	1.05	1	Winter 1	\$650.00	\$682.50
8153	0.80	1	Winter 1	\$650.00	\$520.00
	0.00			\$650.00	\$0.00
	0.00			\$650.00	\$0.00

**Total: 3.45 Total: \$2,242.50**

**FINAL MAINTENANCE**

(all-3)

Road Number	Length (miles)	# Times	end of # Season	Unit Cost	Total Cost
8146	0.95	1	Winter 2	\$650.00	\$617.50
8148	0.45	1	Summer 2	\$650.00	\$292.50
8148-B	0.20	1	Summer 2	\$650.00	\$130.00
8150	0.50	1	Winter 1	\$650.00	\$325.00
8150	0.55	1	Winter 2	\$650.00	\$357.50
8150-C	0.05	1	Winter 2	\$650.00	\$32.50
8153	0.80	1	Winter 1	\$650.00	\$520.00
	0.00	1	Summer 4	\$650.00	\$0.00
	0.00	1	Summer 2	\$650.00	\$0.00
8146	berm	1	Winter 2	\$150.00	\$150.00
8148	berm	1	Summer 2	\$150.00	\$150.00
8150	berm	1	Winter 2	\$150.00	\$150.00
	berm	0		\$150.00	\$0.00

**Total: 3.50 Total: \$2,725.00**

\*Note:

Total CCF 5435 Check \$3.36

**OLD GRADE STEWARDSHIP SALE**  
**ROADWORK PLAN-APPRAISAL ALLOWANCE**

DATE: 7/18/2014

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Road Number	Mile Post	Item Description	Season of Use	Unit	Quantity	Unit Allowance	Appraisal Allowance
<b>FR 8146</b>			<b>W</b>				
	0.00-0.95	Shape road to crown or out slope. Clearing and grubbing road, and shape road to match typical drawing and allow for cross drainage as directed by the Forest Service.		Mile	0.95	3,200	\$ 3,040.00
	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
	0.01-0.03	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
		<b>FR 8146 total maintenance</b>					<b>\$ 3,745.00</b>
<b>FR 8148B</b>	0.0--.20	Clear, grub, and shape road to crown or out slope to match typical drawing and allow for cross drainage as directed by the Forest Service.	D/W	Mile	0.20	3,000	\$ 600.00
	0.0-0.20	Haul and place 50 C.Y. pit run (65 loose material) as directed by the Forest Service		CY	50	11	\$ 550.00
		<b>FR 8148B total maintenance</b>					<b>\$ 1,150.00</b>
<b>FR 8150</b>			<b>W</b>				
	0.00-1.05	Shape road to crown or out slope. Clearing and grubbing road, and restoring ditches to match typical drawings as directed by the Forest Service.		Mile	1.05	3,200	\$ 3,360.00
	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
	0.02	Remove existing berm.		L.S.	1	100	\$ 100.00
	0.03	Shape travel way to mild dip to drain right and improve outlet ditch right.		L.S.	1	100	\$ 100.00
	0.37	Remove existing culvert and dispose off of Government land.		Each	1	250	\$ 250.00

W=Winter, D=Dry Summer

Prepared By Michael Jarvi  
Civil Engineering Technician

**OLD GRADE STEWARDSHIP SALE**  
**ROADWORK PLAN-APPRAISAL ALLOWANCE**

Road Number	Mile Post	Item Description	Season of Use	Unit	Quantity	Unit Allowance	Appraisal Allowance
<b>FR 8150</b>	(cont.)		<b>W</b>				Pg. 2 of 2
	0.37	Prepare culvert bed for pipe installation		LS	1	150	\$ 150.00
	0.37	Furnish and install 15" x 24' High Density Polyethylene dual walled drainage pipe		Foot	24	14	\$ 336.00
	0.64	Shape road to mild dip left to drain left.		LS	1	75	\$ 75.00
	0.81	Remove existing culvert and dispose off of Government land.		Each	1	250	\$ 250.00
	0.81	Prepare culvert bed for pipe installation		LS	1	150	\$ 150.00
	0.81	Furnish and install 15" x 24' High Density Polyethylene dual walled drainage pipe		Foot	24	14	\$ 336.00
		<b>FR 8150 Total Maintenance</b>					<b>\$ 5,482.00</b>
<b>FR 8150C</b>	0.0-0.05	Clear grub and shape road to allow access to FR 8150		LS	1	300	\$ 300.00
		<b>FR 8150C Total Maintenance</b>					<b>\$ 300.00</b>
<b>FR 8153</b>	0.0--.80	Clear, grub, and shape road to crown or out slope to match typical drawing and allow for cross drainage as directed by the Forest Service. (Higher per mile rate to allow for return and freeze down areas on South	<b>W</b>	Mile	0.80	3,300	\$ 2,640.00
		<b>FR 8153 Total Maintenance</b>					<b>\$ 2,640.00</b>
		<b>Old Grade Stewardship Grand Total Maintenance Plan Appraisal Estimate</b>					<b>\$ 13,317.00</b>

W=Winter, D=Dry Summer

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## OLD GRADE STEWARDSHIP SALE

### 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 CT 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: High Density Polyethylene drainage pipe shall be dual walled and have a smooth interior. **Minimum cover over HDPE culverts shall be 1.5 feet**, as shown in the typical drawing.
- NOTE: During borrow hauling operations "Trucks Hauling" signs shall be placed on FR 8100. **Hauling shall not commence until all signs are placed as directed by the Forest Service.**
- NOTE: There is **80 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 104 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. **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.