

**WEST FOXPAW TIMBER SALE
SPECIFIED ROAD SCHEDULE OF ITEMS**

Item Number	Item Description & Milepost	C or R ¹	Unit & M of M ²	Quantity	Road Std. (W,D,S) ³	Unit Allowance	Estimated Allowance
	FR 8128					DATE:	12/14/2015
	M.P. 0.25 - 0.86	C			W		
249 (02)	Composite Road Construction. Construct road to crown or outslope to match winter typical drawing to allow for cross drainage.		DQ Mile	0.61		7000	\$ 4,270.00
	M.P. 0.25						
650 (01)	Road Closure Device. Furnish and install 3' x 20' Forest Service Steel Gate. (See typical drawings for construction/installation requirements).		EA AQ	1		1500	\$ 1,500.00
	M.P. 0.53 -0.57						
202 (05)	Removal of beaver dam, 50' left of MP 0.54.		LS AQ	1		300	\$ 300.00
157 (02)	Soil Erosion control, 200' silt fence. Work includes furnish and install as directed by Forest Service.		FT DQ	200		3	\$ 600.00
207 (04)	Furnish one 22'L x18'W segment of non-woven geotextile fabric (44 SY). Place fabric under mats to cross creek and then under mats during temp bridge installation and removal. (Reuse fabric when bridge is removed).		SY DQ	44		3	\$ 132.00
557 (02)	Install crane mats at MP 0.54 (includes pick up at Watersmeet, MI, and installation). Mats to be used to cross creek and under excavator during temp bridge placement. (Four 20' x 4' mats, two 16' x 4' mats).		LS AQ	1		250	\$ 250.00
557 (02)	Remove crane mats at MP 0.54 (includes removal and delivery to Watersmeet, MI) after temp bridge is removed.		LS AQ	1		250	\$ 250.00

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207 (04)	Furnish and place two 33'L x 15'W segments, and one 33'L x 7.5'W segment of non-woven Geotextile fabric under temp bridge abutment fill sections as directed by Forest Service.		SY DQ	138		3	\$ 414.00
208 (01)	Structure Backfill. Work includes roadway excavation from MP 0.55 to MP 0.57, hauling, placing and compacting 140 C.Y. (182 C.Y. loose material) for temp bridge abutment fill sections at MP 0.52 to MP 0.54 and MP 0.54 to MP 0.55. Material shall be mechanically compacted. (See note)		CY DQ	140		8	\$ 1,120.00
207 (04)	Furnish and place two 20'L x 3'W segments of non-woven Geotextile fabric under temp bridge abutment riprap sections.		SY DQ	14		3	\$ 42.00
251 (01)	Machine placed riprap class III. Work includes furnishing and placing riprap over non-woven Geotextile in accordance with temp bridge detail. 2 x (20'L x 2.5'W x 1' D)		CY DQ	4		60	\$ 240.00
571 (02)	Install Government furnished 40' long temp bridge and sill timbers at MP 0.54 (includes loading and hauling from Watersmeet, MI).		EA AQ	1		4000	\$ 4,000.00
204 (52)	Unclassified borrow. Work includes hauling and placing 50 C.Y. (65 C.Y. loose) pit run borrow from Blue Jay Pit for road surfacing material. MP 0.53 to MP 0.54 and from MP 0.54 to MP 0.57. (144'L x 14'W x 8"D)		CY .DQ	50		11	\$ 550.00

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571 (02)	Removal of government furnished 40' long temp bridge and sill timbers at MP 0.54 (includes removing and returning bridge to Watersmeet, MI upon completion of harvest).		EA AQ	1		2000	\$ 2,000.00
249 (03)	Removal of bridge abutment fill and riprap at M.P. 0.54 upon completion of harvest. Abutment fill and riprap are to be placed onto roadway and shaped into berms out of the floodplain, at the direction of the Forest Service. Remove and dispose of Geotextile off of government land.		EA AQ	1		800	\$ 800.00
	M.P. 0.69 - 0.72						
204 (01)	Excavate 300 CY (390 C.Y. loose) local borrow, from travel way. Place onto travel way to decrease slope. (150'L x 18' W x 3'D)		CY DQ	300		5	\$ 1,500.00
	M.P. 0.75 - 0.77						
204 (01)	Excavate 200 CY (260 C.Y. loose) local borrow, from travel way. Place/push onto travel way to decrease slope. (100'L x 18' W x 3'D)		CY DQ	200		5	\$ 1,000.00
	FR 8128 Specified Road Total						\$ 18,968.00
	FR 8128-F						
	M.P. 0.00 - 0.21	R			W		
249 (02)	Reconstruct road to crown or outslope to match winter typical drawing to allow for cross drainage.		DQ Mile	0.21		4000	\$ 840.00
	FR 8128-F Specified Road Total						\$ 840.00

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	FR 8128-G						
	M.P. 0.00 - 0.30	C			W		
249 (02)	Composite Road Construction Construct new road to crown or outslope to match winter typical drawing to allow for cross drainage.		DQ Mile	0.3		4500	\$ 1,350.00
	M.P. 0.27						
249(03)	Composite Road Construction Work includes preparing culvert bed at milepost 0.27.		LS LSQ	1		150	\$ 150.00
602 (74)	Pick up and install, Forest Service provided 15" x 26' CMP from Watersmeet, MI.		LS LSQ	1		250	\$ 250.00
204(01)	Excavate 40 CY local borrow from left and place into travel way over/near pipe.		CY DQ	40		5	\$ 200.00
602 (74)	Remove Forest Service provided 15" x 26' CMP. Pipe is to be delivered to Watersmeet, MI, upon completion of harvest.		LS LSQ	1		350	\$ 350.00
	FR 8128-G Specified Road Total						\$ 2,300.00
	Grand Total West Foxpaw Specified Road Schedule of Items						\$ 22,108.00

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WEST FOXPAW TIMBER SALE

SPECIFIED ROAD NOTES

- 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:** Winter standard typical roads shall be built to minimize soil disturbance and potential erosion, and to allow for proper cross drainage.
- NOTE:** In the narrative compacted and loose volumes are noted with loose volumes in parenthesis.
- 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:** Reconstructed roads have areas that need shaping to allow for cross drainage. When working in locations with high rock content, shaping may have to be reduced due to lack of available soil/surface conditions.
- NOTE:** During clear and grub operations all slash resulting from purchasers operation shall be treated as per CT 6.7#.
- NOTE:** There is a **gate to be furnished and installed** at the beginning of the specified construction segment of FR 8128. Construction of the gate and installation requirements are included in the AutoCAD typical drawings furnished by the Forest Service. **Gate is to be painted brown** as stated on the typical drawing. Reflective signs for gate will be provided by the Forest Service. **Sign installation, fastening hardware, resting post, and concrete product shall be provided by the purchaser.**
- NOTE:** There is **200' of silt fence** to be placed. See narrative description for locations and quantities to be placed. Place silt fence where directed by the Forest Service.
- NOTE:** There is a **40' long temporary bridge required to access the sale area.** It shall be placed on FR 8128 at M.P. 0.54. *The government will provide the temp bridge and sill timbers.* **The contractor is required to pick up, install and return the bridge and sill timbers to Watersmeet, MI, upon completion of the timber harvest.** The construction requirements for the temp bridge will be provided on the typical diagram.
- NOTE:** **Government furnished wooden crane mats** are required to cross Polecat Creek, and to be placed as directed under the excavator during temporary bridge installation and removal. *The contractor is required to pick up, install, and return the crane mats to Watersmeet, MI, prior to acceptance of final road maintenance.* **Geotextile separation material** shall be placed under the crane mats as noted on Schedule of Items. Geotextile Type II must be equivalent to or greater than US 205 **non-woven 8 Oz. fabric.** Geotextile is to be removed and disposed off of Government property, upon completion of the harvest.

- NOTE:** There are 140 C.Y. of local excavation required to build the temp bridge abutments on FR 8128. Excavated material is to come from the roadway excavation earthwork between MP's 0.55 - 0.57 on FR 8128. **Geotextile separation material shall be placed under the bridge abutment fill as noted on the Schedule of Items.** Geotextile Type II must be equivalent to or greater than US 205 **non- woven 8 Oz. fabric.** *Abutment and Geotextile are to be removed prior to acceptance of final road maintenance.* Abutment fill is to be placed upon road way out of the floodplain, as directed by the Forest Service. Geotextile is to be removed and disposed off of Government property.
- NOTE:** There is 4 C.Y. of class III riprap to be furnished and placed on the temp bridge abutments on FR 8128 at M.P. 0.54. **There is no government source available for this project.** Furnished material shall be 100% smaller than 6" diameter and at least 50% larger than 3" diameter. ***Furnished material must be approved by the Forest Service.*** The construction requirements for rip rap will be provided on the typical diagram. Geotextile shall be placed under the rip rap as noted on Schedule of Items. Geotextile Type II separation material must be equivalent to or greater than US 205 **non- woven 8 ounce fabric.** *Riprap and Geotextile are to be removed prior to acceptance of final road maintenance.* Rip rap is to be placed upon road way out of the floodplain, as directed by the Forest Service. Geotextile is to be removed and disposed off of Government property.
- NOTE:** There is 50 C.Y. of pitrun borrow/surfacing material required on the temp bridge approaches. This volume plus the normal compaction factor of 130% for pitrun surfacing computes to a loose volume of 65 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:** During borrow hauling operations "Trucks Hauling" signs shall be placed on FR's 8100 and 8120. Hauling shall not commence until all signs have been put in place as directed by the Forest Service.
- NOTE:** There are 300 C.Y. of local excavation required to decrease the slope at M.P. 0.69 - M.P. 0.72 on FR 8128. Excavated material is to be pushed onto the travel way to decrease the slopes.
- NOTE:** There are 200 C.Y. of local excavation required to decrease the slope at M.P. 0.75 - M.P. 0.77 on FR 8128. Excavated material is to be pushed onto the travel way to decrease the slopes.
- NOTE:** There is a 15" x 26' government furnished culvert required on FR 8128-G at M.P. 0.27. *The contractor is required to pick up, install, remove, and return the culvert to Watersmeet, MI prior to acceptance of final maintenance of FR 8128-G.* The construction requirements for the culvert will be provided on the typical diagram.