

**SLEEPY HOLLOW TIMBER SALE
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 5238	R			S		
	M.P. 0.00 - 0.15						
249 02	Composite Road Construction. Reconstruct road to match typical details. Clear, grub, and shape to crown or outslope. Restore ditches to provide proper drainage. Includes improving entrance of FR 5238-N to function as turnaround.		Mile DQ	0.15		\$ 4,000.00	\$ 600.00
	M.P. 0.00 - 0.01						
301 13	Untreated Aggregate Courses. Furnish, haul, place 15 CY crushed aggregate (19.5 CY loose) to surface approach and radii.		CY DQ	15		\$ 28.00	\$ 420.00
	M.P. 0.03 - 0.04						
249 05	Local Borrow. Spread and shape 15 CY (19.5 CY loose) excavation from FR 6994 to add lift. (50'L x 12'W x 8"D).		LS LSQ	1		\$ 45.00	\$ 45.00
301 22	Haul and place 15 CY (19.5 CY loose) pit run borrow from North Jay Bird Pit to surface lift. (50'L x 12'W x 8"D).		CY DQ	15		\$ 15.00	\$ 225.00
	M.P. 0.07 - 0.09						
249 05	Local Borrow. Spread and shape 111 CY (144 CY loose) excavation from FR 6994 to add lift. (100'L x 15'W x 2'D).		LS LSQ	1		\$ 333.00	\$ 333.00
207 01	Furnish and place 100' x 15' of 8 oz nonwoven geotextile fabric as a separator below pit run surfacing.		SY DQ	167		\$ 3.00	\$ 501.00
301 22	Haul and place 32 CY (42 CY loose) pit run borrow from North Jay Bird Pit to surface lift. (100'L x 13'W x 8"D).		CY DQ	32		\$ 15.00	\$ 480.00
249 05	Construct hardened dip at MP 0.08. Includes 50' outlet ditch, left.		LS LSQ	1		\$ 300.00	\$ 300.00
	FR 5238 Specified Road Total						\$ 2,904.00
	FR 6992						
	M.P. 0.00 - 1.04	R			S		
249 02	Composite Road Construction. Reconstruct road to match typical details. Clear, grub, and shape to crown or outslope. Restore ditches to provide proper drainage. Includes turnaround construction at end of segment.		Mile DQ	1.04		\$ 2,800.00	\$ 2,912.00

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	FR 6992, Continued	R			S		
	M.P. 0.00 - 0.01						
301 13	Untreated Aggregate Courses. Furnish, haul, place 15 CY crushed aggregate (19.5 CY loose) to surface approach and radii.		CY DQ	15		\$ 28.00	\$420.00
	M.P. 0.01 - 0.04						
249 05	Local Borrow. Spread and shape 117 CY (152 CY loose) excavation from FR 6994 to add lift. (150'L x 14'W x 1.5'D).		LS LSQ	1		\$ 351.00	\$351.00
301 22	Haul and place 45 CY (58.5 CY loose) pit run borrow from North Jay Bird Pit to surface lift. (150'L x 12'W x 8"D).		CY DQ	45		\$ 15.00	\$675.00
	M.P. 0.04 - 0.07						
249 05	Local Borrow. Spread and shape 96 CY (125 CY loose) excavation from FR 6994 to add lift. (200'L x 13'W x 1'D).		LS LSQ	1		\$ 288.00	\$288.00
249 03	Shape to a drainage dip at MP 0.05. Includes 35' outlet ditch, left.		LS LSQ	1		\$ 100.00	\$100.00
	M.P. 0.11						
249 05	Local Borrow. Spread and shape 15 CY (19.5 CY loose) excavation from FR 6994.		LS LSQ	1		\$ 45.00	\$45.00
	M.P. 0.47						
249 05	Local Borrow. Spread and shape 15 CY (19.5 CY loose) excavation from FR 6994.		LS LSQ	1		\$ 45.00	\$45.00
301 22	Haul and spot place 30 CY (39 CY loose) pit run borrow from North Jay Bird Pit.		CY DQ	30		\$ 15.00	\$450.00
	M.P. 0.50						
249 05	Local Borrow. Spread and shape 15 CY (19.5 CY loose) excavation from FR 6994.		LS LSQ	1		\$ 45.00	\$45.00
301 22	Haul and spot place 30 CY (39 CY loose) pit run borrow from North Jay Bird Pit.		CY DQ	30		\$ 15.00	\$450.00
	M.P. 0.58						
249 05	Local Borrow. Spread and shape 15 CY (19.5 CY loose) excavation from FR 6994.		LS LSQ	1		\$ 45.00	\$45.00

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	FR 6992, Continued	R			S		
	M.P. 0.75 - 0.78						
249 03	Minor roadbed realignment.		LS LSQ	1		\$ 150.00	\$150.00
249 05	Local Borrow. Spread and shape 117 CY (152 CY loose) excavation from FR 6994 to add lift. (150'L x 14'W x 1.5'D).		LS LSQ	1		\$ 351.00	\$351.00
207 01	Furnish and place 150' x 15' of 8 oz nonwoven geotextile fabric as a separator below pit run surfacing.		SY DQ	250		\$ 3.00	\$750.00
	M.P. 0.72 - 0.78						
301 22	Haul and place 89 CY (116 CY loose) pit run borrow from North Jay Bird Pit to surface lift. (300'L x 12'W x 8"D).		CY DQ	89		\$ 15.00	\$1,335.00
	M.P. 0.81						
249 05	Local Borrow. Spread and shape 15 CY (19.5 CY loose) excavation from FR 6994 to add lift. (50'L x 12'W x 8"D).		LS LSQ	1		\$ 45.00	\$45.00
	M.P. 0.95 - 0.97						
249 03	Construct ditches left and right, incorporating excavated material into travelway.		EA DQ	2		\$ 200.00	\$400.00
249 03	Install outlet ditches left (at MP 0.96) and right (at MP 0.965).		EA DQ	2		\$ 25.00	\$50.00
	M.P. 1.02						
203 01	Remove existing culvert and dispose of off government property.		EA AQ	1		\$ 250.00	\$250.00
249 03	Prepare culvert bed for pipe installation. Back fill culvert.		LS LSQ	1		\$ 300.00	\$300.00
602 01	Furnish and install 18" x 24' HDPE dual walled drainage pipe with a smooth interior.		LF AQ	24		\$ 17.50	\$420.00
	M.P. 0.94 - 1.04						
301 22	Haul and spot place 15 CY (19.5 CY loose) pit run borrow from North Jay Bird Pit to repair travelway at MP 1.00.		CY DQ	15		\$ 15.00	\$225.00
301 22	Haul and place 158 CY (205 CY loose) pit run borrow from North Jay Bird Pit to surface travelway. (530'L x 12'W x 8"D).		CY DQ	158		\$ 15.00	\$2,370.00

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²Method of Measure

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	FR 6992, Continued						
	M.P. 1.04 - 1.28	R		0.24	W/DS		
249 02	Composite Road Construction. Reconstruct road to crown or outslope to match winter typical detail. Includes minor realignment at MP's 1.17 -1.28 and turnaround, right.		DQ Mile	0.24		\$ 4,500.00	\$1,080.00
	FR 6992 Specified Road Total						\$13,552.00
	FR 6994	R			S		
	M.P. 0.00 - 0.03						
249 05	Excavate and haul 604 CY local borrow (33'W x 2'D x 247'L) to improve existing entrance and alignment with Sleepy Hollow Road. Spread and shape at locations described in Specified Roads Schedule of Items.		LS LSQ	1		\$ 4,228.00	\$4,228.00
	M.P. 0.00 - 0.01						
249 03	Prepare and deepen culvert bed and shape to ditch.		LS LSQ	1		\$ 200.00	\$200.00
602 01	Furnish and install one 17" x 13" x 50' corrugated metal pipe arch. (Riveted 16 gauge with 2' wide connector band).		LF AQ	50		\$ 19.50	\$975.00
	M.P. 0.00 - 0.16						
249 02	Composite Road Construction. Reconstruct road to crown or outslope to match typical detail and provide cross drainage.		DQ Mile	0.16		\$ 2,400.00	\$384.00
	M.P. 0.00 - 0.16						
301 13	Untreated Aggregate Courses. Furnish, haul, place 205 CY crushed aggregate (266.5 CY loose) to surface approach and radll, and road surface 875'L x 12'W x 6"D. (Includes 10 CY for entrance radll).		CY DQ	205		\$ 28.00	\$5,740.00
	M.P. 0.02						
650 02	Road Closure Device. Furnish and install Forest Service Gate and resting post to match typical details. Forest Service furnished signs shall be installed with purchaser provided fastening hardware, resting post, and concrete product.		EA AQ	1		\$ 1,500.00	\$1,500.00
	FR 6994 Specified Road Total						\$13,027.00

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Civil Engineering Technician

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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 6994-D	C			S		
	M.P. 0.00 - 0.69						
249 02	Composite Road Construction. Clear, grub, and shape to crown or outslope to match typical details and allow cross drainage. Excavate to widen as directed. Construct turnaround left and right at POE, and construct additional turnarounds as designated.		Mile DQ	0.69		\$ 5,000.00	\$3,450.00
	M.P. 0.00 - 0.01						
301 22	Haul and place 15 CY (19.5 CY loose) pit run borrow from North Jay Bird Pit to surface approach and radii.		CY DQ	15		\$ 15.00	\$225.00
	M.P. 0.04 - 0.075						
249 05	Excavate 245 CY from hill. Incorporate material into travelway at sag between M.P. 0.04 - 0.075. (90'L x 21'W x 3.5'D) 13'W road top, 30'W at fill.		LS LSQ	1		\$ 1,225.00	\$1,225.00
	M.P. 0.04 - 0.09						
301 22	Haul and place 77 CY (100 CY loose) pit run borrow from North Jay Bird Pit for surfacing. (260'L x 12'W x 8"D)		CY DQ	77		\$ 15.00	\$1,155.00
	M.P. 0.22						
249 03	Lead off ditch, right. 100 feet long.		LS LSQ	1		\$ 100.00	\$100.00
	M.P. 0.21 - 0.23						
301 22	Haul and place 30 CY (39 CY loose) pit run borrow from North Jay Bird Pit for surfacing. (100'L x 12'W x 8"D)		CY DQ	30		\$ 15.00	\$450.00
	FR 6994-D Specified Road Total						\$6,605.00
	FR 6996	R			S		
	M.P. 0.00 - 0.12						
249 02	Composite Road Construction. Reconstruct road to crown or outslope to match typical detail and allow cross drainage as directed by the Forest Service. Remove berm and incorporate into road bed.		DQ Mile	0.12		\$ 4,000.00	\$480.00

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	FR 6996, Continued	R			S		
	M.P. 0.00 - 0.01						
249 03	Prepare and deepen culvert bed and shape to ditch.		LS LSQ	1		\$ 200.00	\$ 200.00
602 01	Furnish and install one 15" x 48' HDPE smooth lined dual walled drainage pipe with bell and spigot joints.		LF AQ	48		\$ 19.50	\$ 936.00
249 05	Local Borrow. Spread and shape 73 CY (95 CY loose) local excavation from FR 6994 and place over pipe to match typical detail.		LS LSQ	1		\$ 219.00	\$ 219.00
301 13	Untreated Aggregate Courses. Furnish, haul, place 15 CY crushed aggregate (19.5 CY loose) to surface approach and radii.		CY DQ	15		\$ 28.00	\$ 420.00
	M.P. 0.01 - 0.03						
301 22	Haul and place 30 CY (39 CY loose) pit run borrow from North Jay Bird Pit for surfacing. (100'L x 12'W x 8"D)		CY DQ	30		\$ 15.00	\$ 450.00
	M.P. 0.04 - 0.05						
301 22	Haul and place 15 CY (19.5 CY loose) pit run borrow from North Jay Bird Pit for surfacing at turnaround. (50'L x 12'W x 8"D)		CY DQ	15		\$ 15.00	\$ 225.00
	FR 6996 Specified Road Total						\$2,930.00
	GRAND TOTAL SLEEPY HOLLOW SPECIFIED ROADS						\$37,518.00

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SLEEPY HOLLOW TIMBER SALE
SPECIFIED ROAD 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. (1-800-482-7171).
- NOTE:** Safety signs shall be placed as directed by the Forest Service when hauling and placing gravel and local excavation from FR 6994 on the sale area. See Sale Area Map for specific sign locations and Traffic Control Plan for sign size and type. ***Signs shall be in place prior to hauling.***
- NOTE:** The construction requirements for composite road construction slash disposal shall be Method A as described in the Supplemental Specification Item 249. During clear and grub operations slash resulting from operations shall be treated as described in Special Provision CT 6.7#.
- NOTE:** Construct the roadbed to conform to the typical detail as noted in the narrative description. All finished roadbeds shall be 12' as shown in the typical details for crowned roads with no ditches, 1' ditches and outsloped roads.
- NOTE:** **250 CY of crushed aggregate** is required for specified roads on this project. The normal compaction factor of 130% computes to a **loose volume of 325 CY**. **There is no government source available for this material.** Purchaser furnished material shall meet gradation requirements for the Michigan Department of Transportation designation 22-A. Compaction shall be Method A.
- NOTE:** **581 CY of pit run borrow** is required for specified roads on this project. The normal compaction factor of 130% computes to a **loose volume of 755 CY**. The material source for this project is the **North Jay Bird Pit**, located in T46N, R39W, Section 30 unless changed by agreement. **Some pit development may be required and is considered incidental to associated items.** Compaction shall be Method A.
- NOTE:** **604 CY of local borrow must be removed and hauled from FR 6994 to improve the existing entrance and its alignment with Sleepy Hollow Road.** This material shall be spread and shaped on FR's 5238, 6992, and 6996 as detailed in the Schedule of Items. **245 CY of local excavation must be removed from FR 6994-D and incorporated into the travelway.** Road work designating local excavation shall be built to conserve and redistribute topsoil to help prevent erosion after excavation has occurred. ***Borrow area cut slopes at excavation locations need to be tapered to a minimum of 2:1.***