

HOBO LAKE
SPECIFIED ROAD SCHEDULE OF ITEMS

03/22/2016

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
pg 1	FR 4765						
	M.P. 0.00 - 0.40	R			S		
249 02	Composite Road Construction. Reconstruct existing road to crown or out slope to match typical drawing and allow for cross drainage including all excavation and travel way widening.		Mile DQ	0.4		4200	\$ 1,680.00
	M.P. 0.01 - 0.06						
301 01	Untreated Aggregate Courses. Furnish, haul, and place 40 CY crushed aggregate surfacing (52 C.Y. loose) surface hill (270'L X 12"W X 4"D)		CY DQ	40		28	\$ 1,120.00
	M.P. 0.30						
249 03	Clear aspen regeneration. Excavate 200 CY from right spur and incorporate excavated material into travel way. (conserve topsoil/overburden)		CY DQ	200		5	\$ 1,000.00
	FR 4765 SPECIFIED ROAD RECONSTRUCTION TOTAL						\$ 3,800.00
	FR 4767						
	M.P. 0.00 - 0.25	R			S		
249 02	Composite Road Construction. Reconstruct existing road to crown or out slope to match typical drawing including all excavation and travel way widening. Improve turnaround.		Mile DQ	0.25		4200	\$ 1,050.00
	FR 4767 SPECIFIED ROAD RECONSTRUCTION TOTAL						\$ 1,050.00
	FR 5256						
	M.P. 0.00 - 0.38	R			D/W		
249 02	Reconstruct road to crown or out slope left to match typical drawing and allow for cross drainage. Minor entrance realignment and widening left.		Mile DQ	0.38		4000	\$ 1,520.00
	M.P. 0.00 - 0.01						
301 01	Untreated Aggregate Courses. Furnish, haul, and place 15 CY crushed aggregate surfacing (19.5 C.Y. loose).		CY DQ	15		28	\$ 420.00

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²Method of Measure

³W = Winter; D = Dry Summer; S = Summer

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pg 2	FR 5256 (cont.)						
	M.P. 0.01 - 0.02						
301 22	Haul and place 15 CY pit run (19.5 CY loose).		C.Y DQ	15		14	\$ 210.00
	M.P. 0.12						
301 22	Haul and place 30 CY pit run borrow (39 CY loose). Shape to outslope left.		CY DQ	30		14	\$ 420.00
	M.P. 0.14 - 0.18						
301 01	Untreated Aggregate Courses. Furnish, haul, and place 30 CY crushed aggregate surfacing (39 C.Y. loose). Surface hill (205'L x 12"W x 4"D)		CY DQ	30		28	\$ 840.00
301 22	Haul and place 30 CY pit run borrow (39 CY loose material).		CY DQ	30		14	\$ 420.00
	M.P. 0.29 - 0.35						
301 22	Haul and place 95 CY pit run borrow (124 CY loose). (320'L x 12"W x 8"D)		CY DQ	95		14	\$ 1,330.00
	M.P. 0.30 - 0.35						
207 04	Earthwork Geotextiles. Furnish and install 265' L x 15' Wide --8 oz. nonwoven geotextile fabric. Place under pit run surface.		SY DQ	442		3	\$ 1,326.00
	M.P. 0.34						
203 01	Remove existing culvert and dispose of off of government property.		LS LSQ	1		150	\$ 150.00
249 03	Prepare culvert bed. Shape road to ditch left and right to pipe inlet/outlet from milepost 0.30 and incorporate into travelway.		LS LSQ	1		350	\$ 350.00
602 75	Furnish and Install 15" x 30' high density polyethylene dual walled drainage pipe.		FT DQ	30		14	\$ 420.00
	M.P. 0.34 - 0.35						
249 03	Composite Road Construction. Local excavation 60 CY from hill at milepost 0.36 and widen road left. Place over/near pipe location at M.P. 0.34.		CY DQ	60		6	\$ 360.00

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pg 3	FR 5256 (cont.)						
	M.P. 0.37						
249 03	Composite Road Construction. Excavate 35 CY local borrow from hill and repair erosion in travelway.		CY DQ	35		5	\$ 175.00
	M.P. 0.36-0.38						
301 22	Haul and place 30 CY pit run borrow to surface hill (39 CY loose). 100'L x 12'W x 8"D).		CY DQ	30		14	\$ 420.00
FR 5256 SPECIFIED ROAD RECONSTRUCTION TOTAL							\$ 8,361.00
FR 5256-C							
	M.P. 0.0 - 0.22	R			D		
249 02	Composite Road Construction. Reconstruct existing road to crown or out slope to match typical drawing and allow for cross drainage including all excavation and travel way widening.		Mile DQ	0.22		4000	\$ 880.00
	M.P. 0.00 - 0.02						
301 22	Unclassified Borrow. Haul and place 30 CY pit run borrow (39 CY loose).		CY DQ	30		14	\$ 420.00
	M. P. 0.00 - 0.22						
301 22	Unclassified Borrow. Haul and spot place as directed by the Forest Service 50 CY pit run (65 CY loose).		CY DQ	50		14	\$ 700.00
FR 5256-C SPECIFIED ROAD RECONSTRUCTION TOTAL							\$ 2,000.00
FR 4765-F4							
	M.P. 0.00 - 0.14	R			S		
249 02	Composite Road Construction Reconstruct road to crown or out slope left to match typical drawing and allow for cross drainage. Minor entrance realignment and widening right. Conserve topsoil		Mile DQ	0.14		4000	\$ 560.00
FR 5256-F4 SPECIFIED ROAD RECONSTRUCTION TOTAL							\$ 560.00
HOBO LAKE TIMBER SALE GRAND TOTAL							\$ 15,771.00

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HOBO LAKE SPECIFIED ROAD NOTES

- NOTE:** The construction requirements for composite road construction slash disposal shall be Method A as described in the Supplemental Specification Item 249.
- NOTE:** Construct the road bed to conform to the typical detail as noted in the narrative description.
- 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:** Additional lead-off ditches may be required at road segment locations to allow for proper drainage needs and are included under typical blading and shaping requirements. Locations for placement shall be determined by the Forest Service.
- NOTE:** During gravel hauling operations safety signs shall be placed and hauling shall not commence until all signs have been put in place as directed by the Forest Service.
- NOTE:** **85 CY of crushed aggregate** is required for specified segments of this project. The normal compaction factor of 130% computes to a **loose volume of 110.5 CY**. **There is no government source available for this material.** Purchaser furnished material shall meet gradation requirements for the Michigan Department of State Highway Transportation designation 22A. *Compact aggregate by operating spreading and hauling equipment over the full width of material.*
- NOTE:** **280 CY of pit run borrow** is required for the specified road segments on this project. The normal compaction factor of 130% computes to a **loose volume of 364 CY**. Borrow source for this project is the **North Jay Bird Pit**, located at T46N, R39W, Section 30 unless changed by written agreement. **Some pit development may be required and is considered incidental to associated items.**
- NOTE:** Road shaping will require conserving of topsoil/overburden on segments of the road where sand is present and shaping may be minimized to stabilize travel way surface.
- NOTE:** **295 CY of local excavation** is required for the specified road segments. 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.*
- NOTE:** High density polyethylene drainage pipes shall be dual walled and have a smooth interior. **Minimum cover shall be 1.5 feet, as shown on typical drawing.**
- NOTE:** **442 SY of Geotextile Fabric** (265'L x 15'W) furnished and installed under pit run surfacing on FR 5256 must be equal to or greater than **US 205 Nonwoven 8 oz.**