

WALLOWA-WHITMAN
SPECIAL PROJECT SPECIFICATIONS (3/08)

T-839F MAINTENANCE FOR PROJECT USE

839.01 Description

Work consists of providing minimum access to Maintenance Level 1 (closed) roads required for Purchaser's Operations and preventing unacceptable resource or road damage.

839.02 Maintenance Requirements

- A. Purchaser is authorized to perform the following maintenance to provide vehicle passage and drainage:
1. Removing log, earth, and rock barriers and/or improving existing road junctions to enable vehicle access as mutually agreed.
 2. Smoothing or filling existing cross ditches and waterbars.
 3. Installing Purchaser-furnished culverts or other agreed temporary drainage structures for shallow stream crossings.
 4. Removing brush, fallen trees, rocks, and other materials from the traveled way and other locations that interfere with needed maintenance:
 - a. Place all removed materials away from drainage's.
 - b. Limb and buck timber meeting utilization standards in accordance with contract provisions and deck at approved locations. Volume shall be estimated and documented prior to a written agreement for removal in accordance with contract provisions. Scatter other woody materials, including limbs, off of and below the roadbed without creating concentrations.
 5. Clean and recondition drainage structures in accordance with Section T-831F and Section T-834F.
 6. Reposition or ramp over slough and slides to provide adequate width of traveled way material.
 7. Provide traveled way drainage above slumps and seal cracks in slump area. Unless Forest Service agrees to material being placed on slumps, ramp the slumps on both ends into undisturbed roadbed to provide usable width.

- B. During use, the traveled way shall not channel water along the road. Prior to seasonal periods of anticipated rains and runoff, additionally perform the following work:
1. Shape the traveled way and roadbed to drain.
 2. Reinstall removed cross ditches and waterbars and provide any additional drainage structures necessary to offset changes through use and maintenance.
 3. Perform work outlined in 839.02 A (5), (6), and (7).
 4. During periods of non use, replace original barrier or provide and maintain standard MUTCD, Type 3, barricades unless alternate type barriers are approved.

839.03 Post Haul Requirements

This work consists of providing post haul drainage on roads.

A. Drainage

1. Upon completion of work, shape the roadway to provide for the removal of surface water. The roadway need not be passable to vehicles. Reinstall or repair waterbars, cross-drains, outlet ditches, or berms existing prior to the Purchaser's operation and/or construct additional devices as staked on the ground. Areas where water is ponded by existing centerline profile sags in through cuts may be left untreated. The following methods are acceptable for treatment of the traveled way:
 - (a) Method A: Outsloping the roadbed at not less than 13 mm ($\frac{1}{2}$ inch) per meter (yard) of width.
 - (b) Method B: Insloping the roadbed at not less than 13 mm ($\frac{1}{2}$ inch) per meter (yard) of width.
2. Unless otherwise approved by the Forest Service, water bars shall be installed in accordance with the drawings specified in C(T) 5.31#.
3. Continuous blade shaping of the roadbed is not required under this specification.
4. Drainage structures located in through fills and natural watercourses shall be fully functional without obstructions, including inlet and outlet channel within 6 meters (20 feet) of the structure.

5. Clean culverts and other fabricated structures to provide drainage from road ditches and make the ditch functional. Remove all purchaser-installed temporary drainage structures and reshape drainage to original contours. Removed structures shall become Purchaser's property to be removed from Government land.

B. Slides, Slumps and Slough

1. Slides and slough may be left in place, provided they do not impound water or divert water from watercourses. As necessary, reshape the various surfaces to provide drainage.

2. Provide drainage to effectively decrease or eliminate the entry of surface water into slides, slumps, and roadbed surface cracks. Place berms, waterbars or ditches as needed to intercept and remove runoff water from the roadbed. Surface seal cracks by covering over with native soil materials to prevent additional water entry and compact with equipment tires.

C. Entrance Devices

Upon completion of work, construct or replace entrance devices to effectively eliminate access by motorized vehicles.

Construct entrance device in accordance with the drawings indicated on the Road Listing C(T)5.31#.

D. Seeding

When required in C(T)5.31#, seed and fertilize all disturbed areas in accordance with requirements set forth in Section T-841F.