

Appendix B

Appendix B - Project Design Features _____

Project design features (PDFs) include the Best Management Procedure (BMPs) identified design features (below). These items are included to protect public safety and Forest resources, and are integral parts of all action alternatives.

- User education and enforcement of the new travel management regulations would occur. User education would include public meetings, and brochures describing the new travel management policy and use of the MVUM.
- The ANF would follow National direction for signing and maps. The Forest Service has developed a standard national format for motor vehicle use maps (MVUM). These maps will be available at local Forest Service offices and, as soon as practicable, on Forest Service web sites.
- Newly Designated Roads and Trails. Newly designated roads and trails would be subject to the following project design features (a) through (m). A Newly designated road or trail is defined as a route designated on a previously unauthorized or closed system road that would now be open to public travel; or a non-motorized trail designated as motorized. All newly designated roads or trails will not be authorized or placed onto the MVUM until on the ground assessments are made and all applicable PDFs are implemented.
 - a. **Cultural Resources.** The Forest Archaeologist will conduct a cultural resources survey and evaluation, and receive concurrence from the Utah and Wyoming State Historic Preservation Office. Concurrence requires that no impacts would occur to cultural resource sites, or impacts would be mitigated to acceptable levels. Although most routes have been inventoried and cleared for use, a Programmatic Agreement or Memorandum of Agreement may be used to ensure all cultural resource requirements have been met.
 - b. **Plants.** Complete a rare plants survey and evaluation, and enact necessary protection measures so that no unacceptable impacts would occur to rare plants, or impacts would be mitigated to acceptable levels.
 - c. **Animals.** Complete a survey, evaluation and consultation for threatened, endangered, and sensitive animals. Enact necessary protection measure so that no unacceptable impacts would occur, or mitigate impacts to acceptable levels where possible.
 - d. **ATV Trail Condition Assessments.** Qualified personnel complete an ATV Trail Condition Assessment on all new ATV routes to identify problems, recommend corrective measures and to establish a baseline for future monitoring.
 - e. **Route Standards.** Design roads and trails to meet minimum road or trail standards as defined by the Forest Service Handbook FSH section 7700 for roads, or the Forest Service Standard Specifications for Constructions of Trails (EM-7720-102).
 - f. **Trail Rerouting.** Reroute trails where water management structures cannot function or be properly maintained, where trails cross soils or sites poorly suited for motorized use, or to avoid impacting other sensitive resources (such as cultural sites).

- g. **Trail Reclamation.** Reclaim abandoned trail segments by physical closure, installation of water management structures, and pulling available slash over the abandoned trail.
- h. **Trail Construction.** Standard trail construction will follow the specifications required from EM-7720-102.
- i. **Water Management Structures.** On all new motorized trails, construct and maintain water management features (such as waterbars, grade dips, culverts, sheet drains, check dams, ditches, or bridges).
- j. **Reclaim unauthorized roads accessed by newly designated motorized trails.** Reclaim all unauthorized roads which originate off the newly designated motorized trails by signing or physical closure such as installation of water management structures, de-compacting the abandoned travel way, and pulling available slash over the roadway.
- k. **Trail Improvement.** When rerouting a poorly located trail segment is not feasible, improve the trail surfaces so it will support use without unacceptable resource impacts. Improvement techniques include replacing or capping unsuitable soils including fills with geotextiles, gravel, corduroy, wood matrix, puncheon, porous pavement panels, or matting.
- l. **Fish Bearing Streams.** All stream crossings on fish bearing streams will meet the Regional Aquatic Organism Passage Guidelines. Qualified personnel will review and concur on all stream crossings to verify if the stream is fish bearing, provides passage, and protects and maintains habitat.
- m. **Weeds.** Include measures to prevent the spread of noxious weeds such as: use of weed-free gravel or soil, use of weed-free hay or straw and prompt re-vegetation of areas of disturbed soil. Treat identified noxious weed sites as appropriate.
- n. **Public Safety.** Qualified personnel will complete assessments to determine measures needed to provide for safe use.
- o. **Soil and Water Conservation practices.** Forest Service Handbook (FSH) 2509.22 will be used as the BMPs to meet the water quality protection elements of the Utah Non-point Source Management Plan.