

Transportation Officials and the Federal Highway Administration, and in accordance with the DOT&PF Alaska Highway Drainage Manual.

- 3.13.6 ADF&G standards shall be adhered to for installation of culverts in fish streams designated by the Pipeline Coordinator. Such culverts shall be necessary for Construction or Operation of the Pipeline.

3.14 Access Roads

- 3.14.1 The Lessee shall submit a layout of each proposed Access Road for approval by the Pipeline Coordinator.
- 3.14.2 Access Roads shall be constructed to standards suitable for safe operations of equipment at the travel speeds proposed by the Lessee.
- 3.14.3 Design, materials, and construction practices employed for Access Roads shall be in accordance with safe and proven engineering practice. Access Roads intended for permanent use shall be constructed in accordance with federal and State road standards and the principles of construction for roads in the arctic environment.
- 3.14.4 The maximum allowable grade is twelve (12) percent unless otherwise approved by the Pipeline Coordinator.

3.15 Work Pads

- 3.15.1 Gravel work pads shall be designed and constructed to protect the ground surface and prevent any thermal degradation of permafrost.
- 3.15.2 A Maintenance Plan for work pads shall be developed for acceptance by the Pipeline Coordinator.

4. HIGHWAY USE AGREEMENT

- 4.1 Prior to commencement of Construction, the Lessee shall enter into a comprehensive agreement with DOT&PF for the use of highways and other facilities under the jurisdiction of the DOT&PF.