



ANCHORAGE FIRE DEPARTMENT
FIRE PREVENTION
4700 Elmore Anchorage, Alaska 99507
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Policy # 08-007 EMERGENCY VEHICLE ACCESS ROAD DESIGN CRITERIA

Reference: 2006 IFC 502, 503

This policy is to provide design criteria for all fire apparatus access roads. These requirements are based upon specific national emergency vehicle standards that the Anchorage Fire Department must follow.

Per 2006 IFC 502.1

Fire apparatus access road is a road that provides fire apparatus access from a fire station to a facility, building or portion thereof. This is a general term inclusive of all other terms such as fire lane, public street, private street, parking lot lane and access roadway.

Fire Lane is a road or other passageway developed to allow the passage of fire apparatus. A fire lane is not necessarily intended for vehicular traffic other than fire apparatus.

Private driveways shall conform to the 2006 International Wildland Urban Interface Code section 403

2006 IFC 503.2.1 & Appendix D: Fire apparatus access roads shall have an unobstructed width of not less than 20 ft, except where required to be 26 ft wide where fire hydrants are located (for 20 ft on either direction of hydrant) and roads servicing buildings 30 ft high or taller. Access roads shall have a clear height of 13.6'.

2006 IFC 503.2.3 & Appendix D: Fire apparatus access roads shall be designed and maintained to support the imposed loads of fire apparatus weighing at least 80,000 lbs and shall be surfaced with an asphalt, concrete, gravel or other approved driving surface so as to provide all-weather driving capabilities.

2006 IFC 503.2.4 & Appendix D: The minimum turning radius shall be 40 ft interior and 60 ft exterior.

2006 IFC 503.2.5 & Appendix D: Dead-end fire apparatus access roads in excess of 150 ft in length shall be provided with an approved area for turning around fire apparatus per MOA Handout F.02 (<http://www.muni.org/iceimages/bsd/handoutf02.pdf>)

2006 IFC 503.2.7 & Appendix D: The grade of the fire apparatus access road shall not exceed 10%.

2006 IFC Appendix D103.6 Signs for Fire Lanes: Signs shall be visible and posted on both sides where widths are 20 – 26'. Fire apparatus access roads more than 26' to 32' wide shall be posted on one side. Signs shall have a maximum distance between them of 100' but may be less as required by the Fire Marshal.