



Public Works Department, Maine

MEMORANDUM

To: Designer of Record
From: PWD ME PRN 212 – Civil/Structural Branch
Date: 1/27/2011

Subject: PNSY Fire Truck Design Vehicle

The following is provided as guidance when designing traffic circulation for Fire Truck access at the Portsmouth Naval Shipyard (PNSY).

The PNSY Fire Truck Design Vehicle is a Pierce Lance 105 ladder truck, manufactured in 1997. The truck length is 40 Ft., width is 8 Ft. (plus outriggers), and the GVW is 60,000 lbs. The minimum curb to curb distance required to turn the truck is 38 feet. The Fire Department needs a lane 20 ft wide and a hammerhead/tee 50' in length to turn the truck around. Fire truck access must accommodate the dimensions and turning requirements of this truck. The AE or DOR shall provide AutoTurn analysis showing the proposed roadway design will accommodate the turning radius for this vehicle.