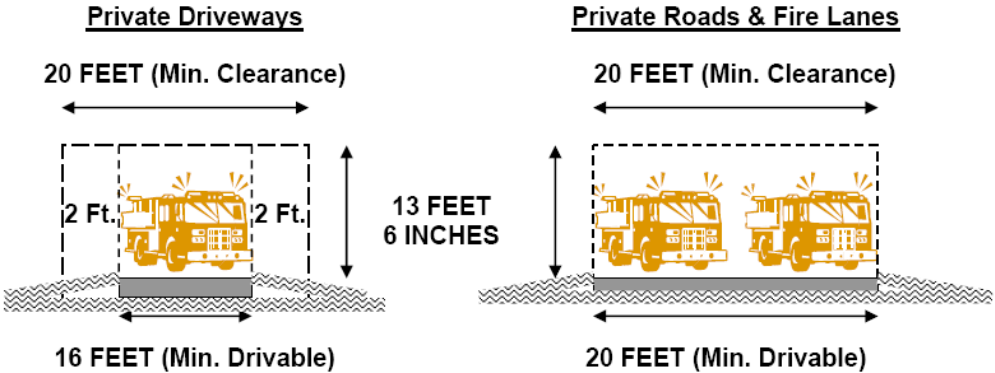


Lane Fire Authority requires driveway improvements that are safe, passable and adequate for fire protection equipment prior to the issuance of a building permit.

Many existing driveways do not provide the needed emergency access, where delays or emergency response may be hindered because of improper or non-maintained emergency access. New or exterior dimension altered structures will be expected to fully meet and maintain current fire access and water supply code requirements.

Private Driveway widths and vertical clearances

- 1. Private Driveways must have an unobstructed width of not less than 16 feet, and free of vegetation and other obstructions 2 addition feet on each side.
- 2. For the purpose of fire operations, fire apparatus access roads must have an unobstructed clearance of not less than 20 feet, except for approved security gates. No encroachments are allowed to be placed in this space unless approved by the fire code official.
- 3. All fire apparatus access roads and driveways must have an unobstructed height of not less than 13 feet 6 inches.



Maximum grade on private driveways

- 1. Average road grade shall not exceed 10% and no grade shall exceed 15%. A maximum of 200 feet of 15% grade may be allowed.
- 2. Where grades exceed 15 percent, the fire code official is authorized to accept, under the provision of ORS 445.610(5), an automatic fire sprinkler system, meeting the provisions of NFPA 13D, to be installed within all habitable structures as an alternative to meeting these requirements. Fire code officials may accept other alternative fire protection features.



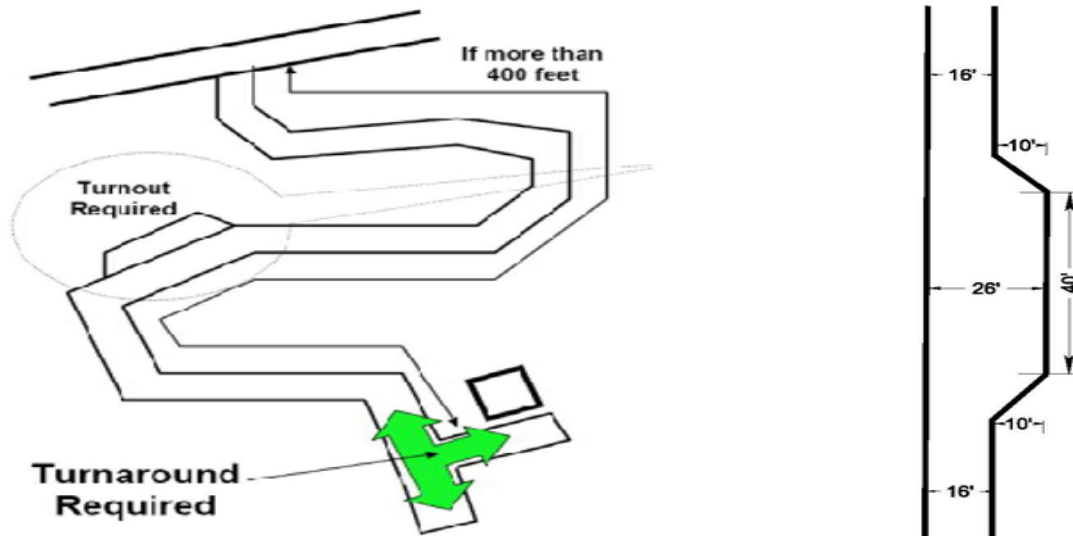
Turnouts on private driveways

Standard:

When a driveway exceeds 400 feet in length, turnouts shall be provided, unless otherwise approved by the fire code official.

Specifications:

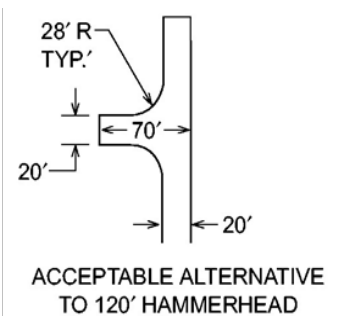
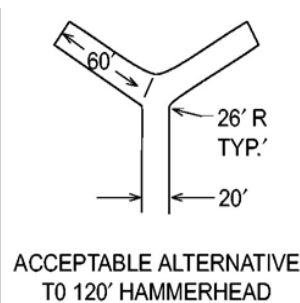
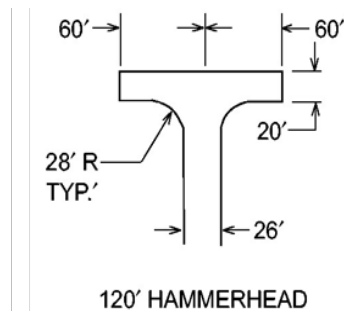
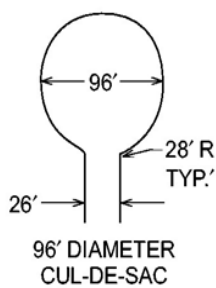
1. Turnouts shall be 10 feet wide and 40 feet long.
2. Turnouts shall be located no more than 400 feet apart unless approved by the fire code official.
3. The distance between turnouts, road intersections, and turnarounds may have the length modified based on visibility and line of sight distances.
4. Visual indicators such as reflective markers may be required to delineate the location and extent of turnouts.



Driveways longer than 150 feet and dead-end

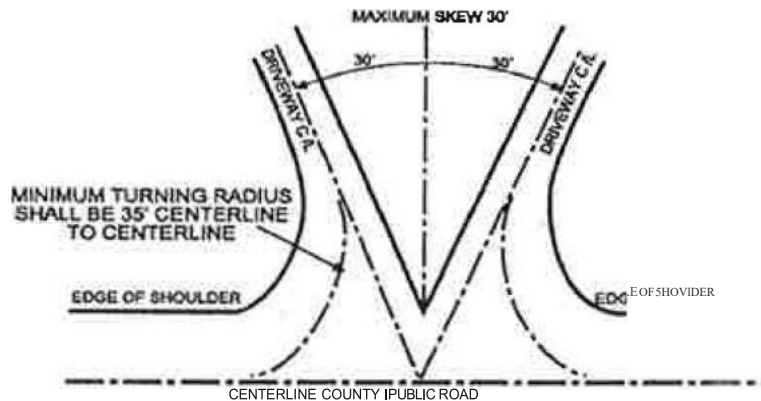
Standard:

Access driveways over 150 feet that dead-end shall be provided with an approved turnaround at the end. **Oregon Fire Code 2022, Section 503.2.5**



Road approach

Maximum curve centerline shall be not less than 35 feet



Bridges & Elevated surfaces

Standard:

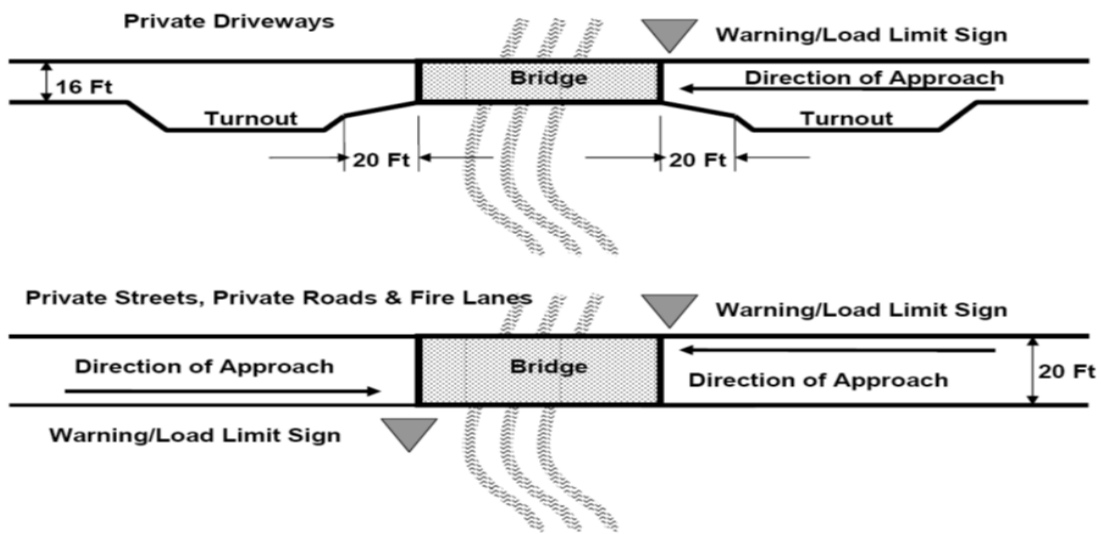
Bridges that are part of fire apparatus access roads shall be constructed and maintained in accordance with AASHTO (American Association of State Highway and Transportation Officials) Standard Specification for Highway Bridges. **Oregon Fire Code Section 503.2.6**

Specifications:

1. Private driveways bridges shall be not less than 16 feet in clear width.
2. Vehicle turnouts shall be constructed adjacent to bridges on private driveways in accordance with of this guide. Turnouts shall be located not less than 20 feet from one end of the bridge for cueing of fire vehicles that must cross.
3. All bridges shall be designed for live load sufficient to carry the imposed loads of fire apparatus in accordance with this guide. ***Minimum of 75,000 pounds.***
4. Newly constructed bridges shall be designed by a registered design professional.
5. If required by building official of the local jurisdiction where the bridge is to be constructed, a building permit shall be obtained for construction of the bridge.
6. ***Signs shall be posted on bridges that do not meet State Code.*** Vehicle load limit sign shall be located not farther than 10 feet from the entrance to a bridge. The sign shall be required at the end where fire apparatus will first encounter the bridge location.
7. Signs shall be constructed of 0.080 thickness aluminum.
8. Reflective sheeting shall be high intensity prismatic or better.
9. Signs shall be of a size not less than 24 inches by 30 inches (maximum 35 miles per hour).
10. Maintenance of existing bridge and elevated surfaces shall be the responsibility of the person or persons that have ownership of the bridge or elevated surface.
11. All bridges and elevated surfaces shall, for due cause, be inspected for structural stability and soundness. Inspections shall be conducted by a registered design professional.
12. Documentation of inspections shall be on an approved format similar to that used by the Oregon Department of Transportation and shall use a uniform condition rating guide that follows industry accepted bridge engineering standards and best practice.

Documentation shall include at a minimum the following:

- a) A written letter bearing the signature of the registered design professional which includes a general statement of the condition of the bridge along with a statement indicating these documents have been prepared by the registered design professional.
- b) Specifications of the load capacity for the bridge for both single and dual axle loads.
- c) All required repairs and maintenance and intervals for such repairs and maintenance.
- d) The date for the next required inspection of the bridge.
- e) The qualifications of the registered design professional conducting the inspection.



Gates: Gates securing fire access roads shall comply with all of the following: Minimum unobstructed width shall be 20 feet without a center post or island. Gates shall be of the swinging or sliding type operated by one person. Knox Box Key Box or Gate Switch may be required by the Fire Code Official to be installed on all locking or coded gates. Electric gates (listed per UL 325) and automatic operated gates (listed per ASTM F2200) shall be equipped with a means of opening the gate by fire department personnel with approved emergency opening devices. (OFC 503.5, D103.5)

Address Sign: A permanent address sign must be installed plainly visible and legible from the street or road fronting the property. Numbers shall be at least 4" in height and contrast with the background. Address signs may be acquired from Lane Fire Authority (larger size depends on the distance from the street). (OFC 505)

Distance from Structure(s): Fire access roads shall be within 150 feet of all portions of the exterior walls of the structure as measured from the approved fire access road. (OFC 503.1.1)

Water Supply: An approved water supply capable of supplying the required fire flow for fire protection shall be provided to premises upon which facilities, buildings or portions of buildings are hereafter constructed or moved into the jurisdiction. Water Supply must be designed and maintained per current OFC or NFPA 1142 depending on location and type of water availability.

Urban Firefighting water supplies: For all structures in a competent water supply area, a water supply for fire suppression with an approved hydrant system/location shall be in place, flushed and operational prior to bringing combustible construction on site in accordance with current Oregon Fire Code Chapter 5, appendix B, C and D.

Rural Firefighting water supplies: For residential structures in rural district without a competent fire water system over 3,600 SQ FT, including garage and porches, and for all commercial properties, a water supply for fire suppression shall be provided in accordance with current NFPA 1142 standard on water supplies for suburban and rural firefighting prior to bringing combustible construction on site. **Note:** An approved NFPA 13 Automatic Fire Sprinkler System (or NFPA 13R/ 13D) may be an acceptable alternative to the required water supply.

NOTE:

When additional home sites are added to a private easement (driveway), the entire easement from the public road to the new home site must be brought to current standards.

6 inches of base rock and 2 inches of surface rock is required. The fire official may approve the delay of surface rock installation until the completion of the project; however, 6" of base rock is always required.