



EVESHAM TOWNSHIP FIRE DISTRICT NO. 1

Fire Prevention Division

P.O. Box 276 – 984 Tuckerton Road – Evesham, New Jersey 08053-0276 – 856-983-2210

To: Ms. Jennifer Newton – Administrative Officer
From: Deputy Chief Scott Freedman, Fire Marshal
Date: August 12, 2025
Subject: P25-10: 570 N. Elmwood Road (Block 15, Lot 11.11)

RECEIVED

AUG 12 2025

Regarding the above matter, Evesham Fire-Rescue is requesting the following items:

1. Please provide a site circulation plan showing the matriculation of a fire truck through the roundabout. Apparatus specifications and turning radius information are provided.
2. With regards to the roundabout, more information is needed pertaining to the roundabout design, specifically, how wide is the road surface of the roundabout? What is the center of the round-about intended to be (landscaping/grass or hard surface)? These items are important to ensure we can access the structures with fire apparatus to provide adequate fire protection to each structure.
3. Driveway width is inadequate to allow for fire apparatus and personnel to access and operate at each structure. This is specifically targeting the 12-foot-wide driveways serving as access to the dwellings. The truck for which you were provided with a template is a single axle aerial fire truck. When this truck is set up to use the aerial, it has a jack/stabilizer width of 18 feet. We are requesting the driveways serving as the only access to the dwellings have a minimum width of 18 feet to accommodate our fire apparatus.
4. Tree canopies (area covering the driveway) shall be maintained at 13' 6" at all times to allow for fire apparatus to utilize the driveway without causing damage to the trucks.
5. All fire access roads are to comply with Section 502.2.3 of the International Fire Code, 2021 Edition. Fire apparatus access road surfaces shall be designed and maintained to support the imposed loads of fire apparatus and shall be surfaced so as to provide all-weather driving capabilities. Fire access roads are to support the weight of a fire truck at 75,500 pounds.



Turning Performance Analysis

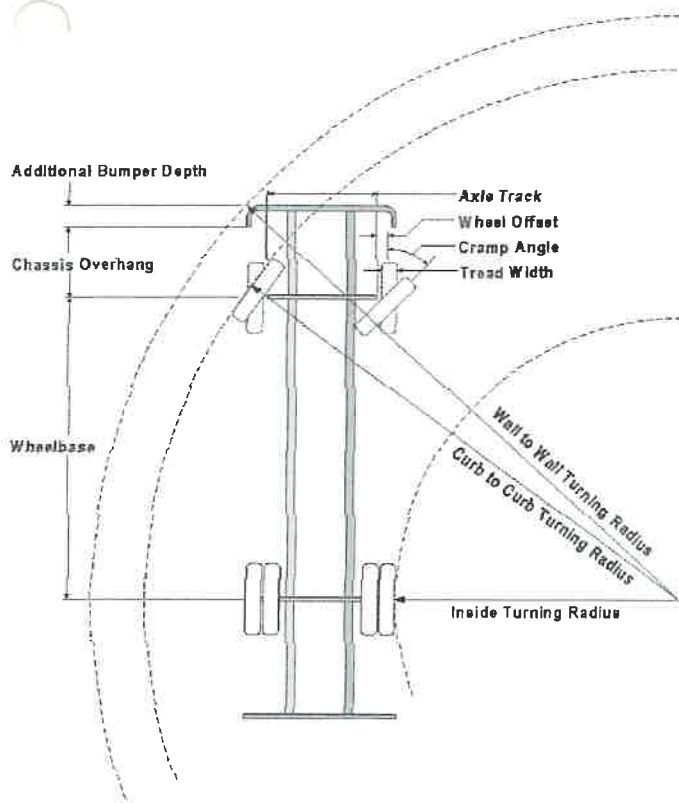
01/13/2021

Bid Number: 470

Department: Evesham Twp Fire District #1

Chassis: Impel Chassis, Aerials, Single Axle, Ascendant PUC

Body: Aerial, HD Ladder 107' ASL Single, PUC, Quint, Alum Body



Parameters:

*Inside Cramp Angle:	45°
Axle Track:	82.92 in.
Wheel Offset:	4.68 in.
Tread Width:	16.3 in.
Chassis Overhang:	78 in.
Additional Bumper Depth:	0.00 in.
Front Overhang:	84 in.
Wheelbase:	242 in.

Calculated Turning Radii:

Inside Turn:	19 ft. 1 in.
Curb to curb:	34 ft. 10 in.
Wall to wall:	39 ft. 1 in.

Category	Option	Description
Axle, Front, Custom	0605406	Axle, Front, Oshkosh TAK-4, Non Drive, 24,000 lb, Imp/Vel (425 Tires)
Wheels, Front	0019611	Wheels, Front, Alcoa, 22.50" x 12.25", Aluminum, Hub Pilot
Tires, Front	0677592	Tires, Front, Goodyear, G296 MSA, 425/65R22.50, 20 ply, Fire Service Load Rating
Bumpers	0524744	Bumper, 22" Extended, Steel, Painted, Imp/Vel
Aerial Devices	0755098	Aerial, 107' ASL Single Axle, 750/500 Tip, 35 MPH Wind

Notes:

*Actual Inside cramp angle may be less than shown.

Curb to Curb turning radius calculated for 9.00 inch curb.

Definitions:

Inside CrampAngle	Maximum turning angle of the front inside fire.
Axle Track	King-pin to King-pin distance of front axle.
Wheel Offset	Offset from the center line of the wheel to the King-pin.
Tire Width	Width of the tire tread.
Chassis Overhang	Distance of the center line of the front axle to the front edge of the cab. This does not include the bumper depth.
Additional Bumper Wheel	Depth that the bumper assembly adds to the front overhang.
Wheelbase	Distance between the center lines of the vehicles front and rear axles.
Inside Turning Radius	Radius of the smallest circle around which the vehicle can turn.
Curb to Curb Turning Radius	Radius of the smallest circle around which the vehicle's tires can turn. This measures assumes a curb height of 9 inches.
Wall to Wall Turning Radius	Radius of the smallest circle around which the vehicle's tires can turn. This measures takes into account any front overhang due to chassis , bumper extensions and or aerial devices.