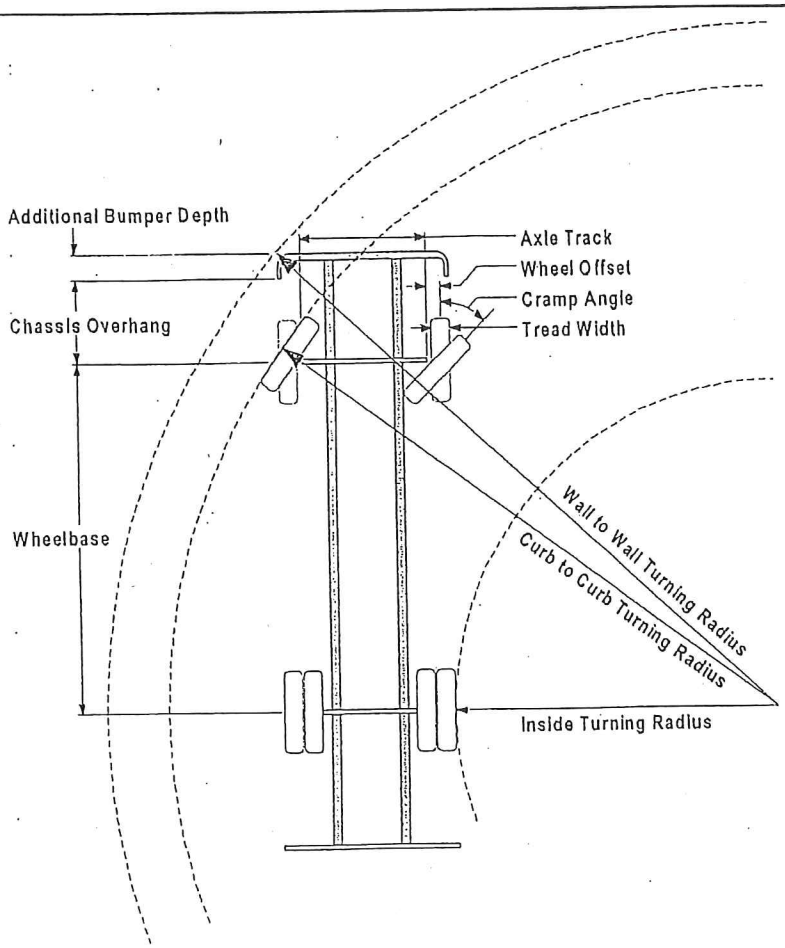
Turning Performance Analysis

8/21/2009



Parameters:

Inside Cramp Angle:	45.00 °
Axle Track:	82.92 in.
Wheel Offset:	4.68 in.
Tread Width:	17.70 in.
Chassis Overhang:	78.00 in.
Additional Bumper Depth:	19.00 in.
Front Overhang	97.00 in.
Wheelbase:	233.50 in.

Calculated Turning Radii:

Inside Turn:	18 ft. 4 in.
Curb to Curb:	33 ft. 11 in.
Wall to Wall:	38 ft. 11 in.

Comments:

Aerial Application

attn Ken lavoie Pierce Job # 19951 2 pages

Components	PRIDE #	Description
Front Axle	0018453	Axle, Front, Oshkosh TAK-4, Non Drive, 22,800 lb, DLX/Enf/Qtm/AXT
Front Wheels	0019611	Wheels, Frt, Alum, Alcoa, 22.50" x 12.25" (425/ & 385/)
Front Tires	0521238	Tires, Michelin, 425/65R22.50 20 ply XFE, Hiway Rib
Chassis	0508409	Velocity Chassis, Aerials, 31K Single Axle (Big Block)
Front Bumper	0123625	Bumper, 19" extended, Imp/Vel
Aerial Device	0554448	Aerial Device, 750# Tip Load, 75' Contender HAL, Single Axle

Notes:

Actual Inside Cramp Angle may be less due to highly specialized options.

Curb to Curb turning radius calculated for a 9.00 inch curb.