



Turning Performance Analysis

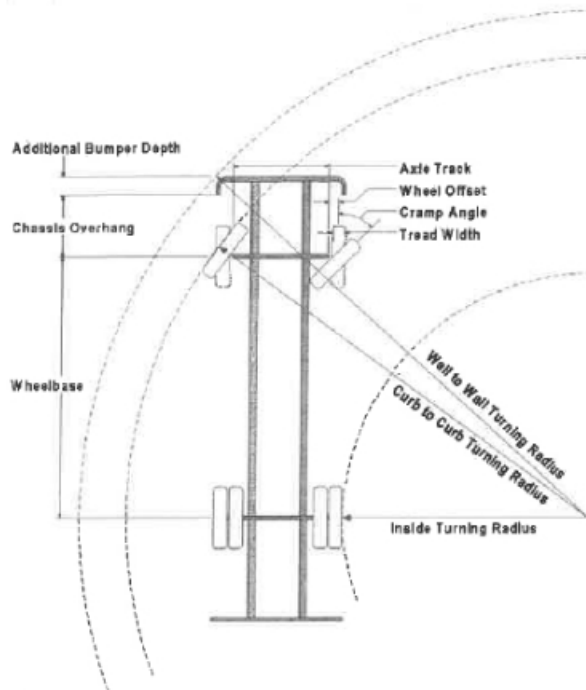
10/08/2018

Bid Number: 778

Department: Blacksburg Fire Dept, Town of

Chassis: Velocity Chassis, PAP/Midmount (Big Block), 2010

Body: Aerial, Platform 100', Alum Body



Parameters:

*Inside Cramp Angle:	45°
Axle Track:	82.92 in.
Wheel Offset:	4.68 in.
Tread Width:	16.6 in.
Chassis Overhang:	78 in.
Additional Bumper Depth:	19 in.
Front Overhang:	146.6 in.
Wheelbase:	257 in.

Calculated Turning Radii:

Inside Turn:	20 ft. 2 in.
Curb to curb:	36 ft. 6 in.
Wall to wall:	44 ft. 7 in.

Category	Option	Description
Axle, Front, Custom	0637059	Axle, Front, Oshkosh TAK-4, Non Drive, 24,000 lb, Velocity (425 Tires)
Wheels, Front	0019611	Wheels, Front, Alcoa, 22.50" x 12.25", Aluminum, Hub Pilot
Tires, Front	0679621	Tires, Front, Michelin, XZY3 (wb), 425/65R22.50, 20 ply, Fire Service Load Rtn
Bumpers	0123625	Bumper, 19" Extended, Imp/Vel
Aerial Devices	0784643	Aerial, 100' Pierce Platform, 35 MPH Wind Rating, 400lb Tip Load Allowance

Notes:

*Actual Inside cramp angle may be less than shown.

Curb to Curb turning radius calculated for 9.00 inch curb.

FIRE TRUCK TURNING MOVEMENTS