



**NOTES**

ALL TURNING SIMULATIONS HAVE BEEN RUN AT A CONTINUOUS SPEED OF 5 M.P.H..

VEHICULAR MANEUVER SIMULATION COMPLETED WITH AUTODESK VEHICLE TRACKING 2019.

**Vehicle Diagram**

E-ONE HP100 Aerial Overall Length 40ft

**E-ONE HP100 Aerial**

Overall Length	40.000ft
Overall Width	8.333ft
Overall Body Height	11.000ft
Min Body Ground Clearance	1.393ft
Track Width	8.333ft
Lock-to-lock time	6.00s
Max Wheel Angle	45.00°

Vehicle Tracking v19.00 - World Wide Real Vehicles

Vehicle Tracking Vehicle Details	Ref:
Unit Name:	E-ONE HP100 Aerial Tractor
Type:	Tractor (with driver controlled steering)
Body style:	Fire Tender (Unspecified)
Classification:	(Unspecified)
Source:	No data
Description:	No data
Notes:	No data
Datum:	Front Primary Axle
Front Axle(s):	1 Ackerman (axes fixed, wheels turn)
Primary Front Axle Offset:	0.000ft
Effective Front Axle Offset:	0.000ft (Auto Calculated)
Maximum Wheel Angle:	45.000deg (Any Front Wheel)
Status:	Active Non Self-Steered
Track Width:	8.333ft
Total Wheels:	2 (positioned at the ends of the axle)
Tire Width:	0.833ft (Auto Calculated - proportion of Track Width)
Tire Diameter:	2.917ft (Auto Calculated - proportion of Track Width)
Rear Axle(s):	2 Fixed (All axles identical)
Primary Rear Axle Offset:	16.750ft (Innermost Axle behind Front Primary Axle)
Effective Rear Axle Offset:	19.167ft (Auto Calculated)
Maximum Wheel Angle:	Unlimited
Rear Axle Spacing:	4.833ft
Status:	Active Non Self-Steered
Track Width:	8.333ft
Total Wheels:	4 (positioned at the ends of the axle)
Tire Width:	0.833ft (Auto Calculated - proportion of Track Width)
Tire Diameter:	2.917ft (Auto Calculated - proportion of Track Width)
Steering:	Front Axle(s):
Maximum Wheel Angle:	See Front Axles: Maximum Wheel Angle
Calculated Maximum Wheel Angle:	45.000deg
Lock-to-Lock Time (Piv/Rev):	6.00sec / 6.00sec
Driver / Pilot:	Driver Offset Longitudinally: -2.662ft (in front of Front Primary Axle)
Driver / Pilot Offset Laterally:	-1.969ft (Right of Centerline)
Driver Height:	8.202ft (Above ground level)
Front Coupling:	None
Rear Coupling:	None
Body outline (plan):	Rectangle
Outline Type:	Offset (X,Y):
Length / Width:	40.000ft / 8.333ft

Every Effort Has Been Made To Ensure The Accuracy Of This Information  
Please Check Data From Your Own Sources

Vehicle Tracking v19.00 - World Wide Real Vehicles

Vehicle Tracking Vehicle Details	Ref:
Vehicle Name:	E-ONE HP100 Aerial
Type:	Rigid vehicle
Category:	(Unspecified)
Classification:	(Unspecified)
Source:	No data
Description:	Cyclone II Chassis
Notes:	No data
Unit 1 Name:	E-ONE HP100 Aerial Tractor

**E-ONE HP100 Aerial**

Overall Length	40.000ft
Overall Width	8.333ft
Overall Body Height	11.000ft
Min Body Ground Clearance	1.393ft
Track Width	8.333ft
Lock-to-lock time	6.00s
Max Wheel Angle	45.00°

Every Effort Has Been Made To Ensure The Accuracy Of This Information  
Please Check Data From Your Own Sources

**REVISIONS**

No.	DATE	DESCRIPTION	BY

**DOCUMENTATION:**

PROJECT No.: 20180546

DATE: 8-24-2018

FIELD BOOK:

DRAWN BY: ech

CHECKED BY: DJZ

**RT & A**

**Ruettiger, Tonelli & Associates, Inc.**

Surveyors • Engineers • Planners • Landscape Architects • G.I.S. Consultants

129 CAPITA DRIVE - SHOREWOOD, ILLINOIS 60404

PH. (815) 744-6600 FAX (815) 744-0101

website: www.ruettigertonnelli.com

PROJECT TITLE:

**CHICAGO COMMONS TOWNHOMES**

**CHICAGO AVENUE**

**NAPERVILLE, ILLINOIS**

DRAWING TITLE:

**VEHICLE TRACKING EXHIBIT**

**FIRE TRUCK**

DRAWING No.

318-0546-E01

SCALE:

AS NOTED

**SHEET 1 OF 1**