

ANN ARBOR FIRE DEPARTMENT
ENFORCER CUSTOM CHASSIS 107' TRACTOR DRAWN AERIAL
DESIGN COMMENTS – BID #1315

Jackknife alarm – Two different angles

See the response from Pierce electrical and aerial regarding the request for the two different jack knife alarm request

“HI Todd! I have a lot of info here - some from Jenny, some from the electrical team.....read through it and let me know if you want a display on the MUX (last part): The alarm goes off at about 65 degrees and is audible in the cab. There is no second jackknife warning alarm as the first alarm will already be sounding. Also, a second alarm set at 80 degrees is only 10 degrees less than where the tractor-trailer would make contact on level ground. They would likely hit by the time they reacted to an alarm set this close to a 90-degree full jackknife unless they are going very slow. They also would make contact at less than that depending on the slope and grade that the tractor and trailer are on while turning. For these reasons, we likely wouldn't add a 2nd alarm at 80 degrees. Also, it sounds like the Software team can program a warning indicator/message to appear on the Mux display. The Mux display is not able to produce any sounds or alarms as it does not contain any audible components. I will send a SP for MUX screen alarm request”.

Wheelbase

This may change as Pierce is still awaiting information from Cummins for the 2027 EPA emissions equipment and packaging. Depending on the component size and packaging requirements, the wheelbase may be impacted.

Tractor rear axle air ride suspension

The air ride suspensions that are listed in the proposal are based on trucks that are still on order and have not been actually built yet. This axle has not been officially released and is going through the first build to verify fitment and any issues we may encounter.

Tiller steer axle air ride suspension

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Aerial tip 2-1/2” standpipe discharge

A option was found to allow for a 2-1/2” standpipe discharge at the aerial tip. This is done by using a Valve under monitor (VUM) set up.