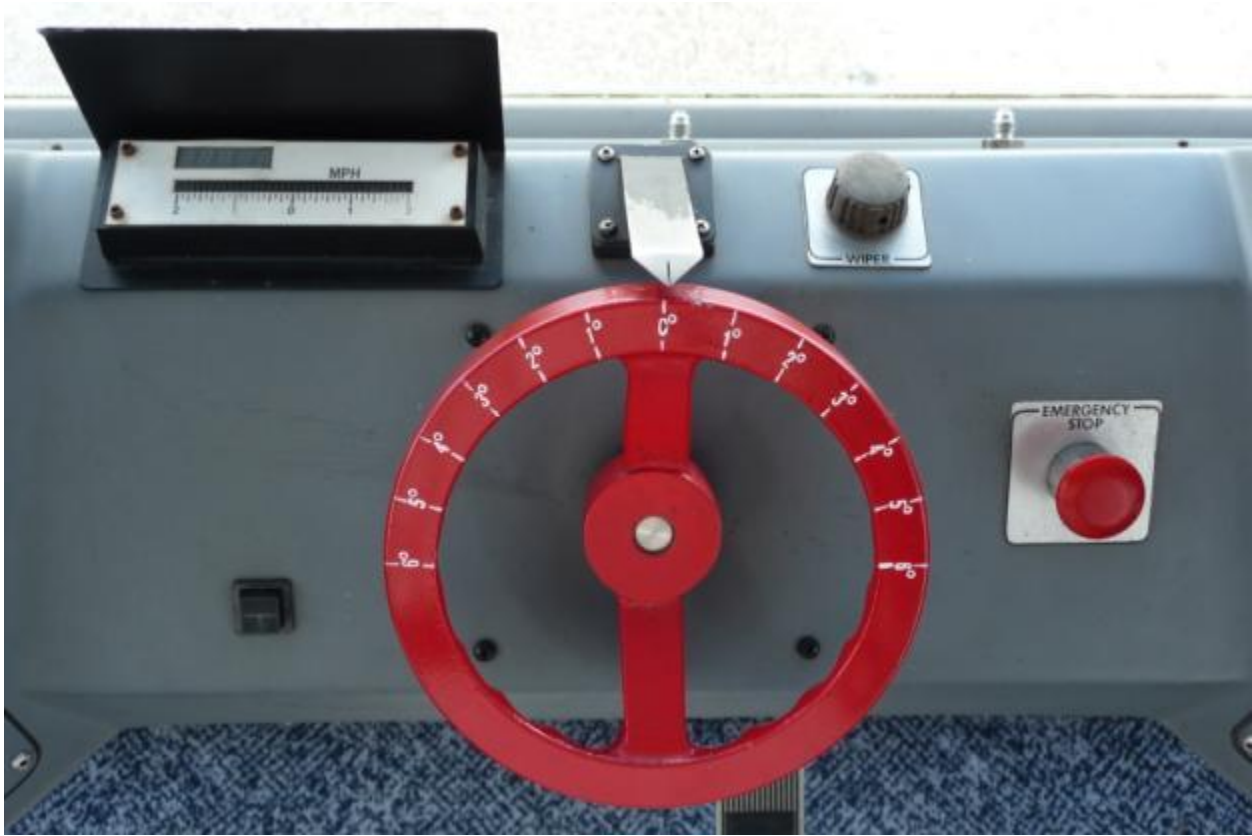


## Crawler Steering



Nominal max steering angle is +/- 6 degrees. There are a few turns that have the crawler at the max turning angle.



You are right that the bar graphs only go up to 7 degrees, while the digital displays appear to go higher. The digital displays have more digits than we actually use. The bar graph and the digital display will read the same.

The display marked "Steering Angle Desired" displays the current setting of the steering wheel. "Steering Angle Actual" displays...well...the actual degrees that the trucks are at. However, there is a time delay between the two. As a steering input command is given, i.e. turn the steering wheel, the hydraulic steering pumps will then apply pressure to the steering cylinders to turn the truck until the actual matches the desired position. The reason that we have two "Actual" gauges is for the front and rear trucks. In "Great Circle" and "Crab" steering modes, they will read the same (except for a + or - sign). When in "Independent" mode, the rear cab operator may have the rear trucks at a different steering angle, therefore they will read differently.