DUNE Project Risk ID	Title	Summary	Mitigation	Post Mitigation Risk Exposure
RT-131-ND-088	Acceleration Jerk & Vibration	If acceleration isn't sufficiently smooth, then the performance of the NDLAr TPC and TMS may be impacted and/or hardware lifetime could be reduced	<ol> <li>Prototype - Test vibrational response of rail system</li> <li>Fluid analysis, understand technical impacts</li> <li>Integrated vibration/modal analysis (coupled with seismic) - TPC execution to levy requirement on us</li> <li>Investigate if vendor is willing to deliver rails within a flatness and roughness specifications</li> </ol>	Med 35% 0 months \$500k Somewhat Substandard
RT-131-ND-073	Time to move	If time allocation to prep, move and restart detector systems exceeds 8 hours, then we may decrease the number of off axis positions we can achieve	<ul> <li>1. Prototype</li> <li>- Prototype and analysis shall provide information to TMS and TPC for them to evaluate plans for prep for moving and restart data taking</li> <li>- Prototype will determine acceleration/speed for motion.</li> </ul>	Med 35% 0 months \$0 Significantly Substandard
RT-131-ND-089	from large	forces are large, then it could	<ol> <li>Ensure that the bend radius is generous enough and that there is appropriate strain relief</li> <li>Prototype to validate performance using final cables selected</li> </ol>	Med 35% 0 months \$300k Negligible