

RTD ENGINEERING DIVISION'S CONSTRUCTION CRANE CHECKLIST

Licensing:

RTD's Real Property Division grants temporary air rights license for cranes, fixed and mobile, after reaching an agreement with the owner \ developer \ contractor. Contact Susan.Altis@RTD-Denver.com 303-299-2440. The license will cover business terms, insurance, technical and other matters. RTD's Legal Department is part of this process.

Requirements for All Crane Installations:

Compliance with all applicable Federal, State, and local regulations. It is the applicant's responsibility to determine what these are, and plan for compliance. Some of these are:

- (OSHA) 29 CFR part 1926, among others. There are a myriad of associated regulations in this section that govern operator training, maintenance, inspections, qualifications, testing, hooks, rigging, etc.
- National Electrical Safety Code

RTD uses Overhead Catenary Systems (OCS) to power rail vehicles.

- Light Rail OCS: 750 VDC
- Commuter Rail OCS: 25,000 VAC

Engineering Checks:

RTD Rail or Bus Service or buildings below or adjacent?	
Is crane installation on RTD Property?	
Crane height proposed and highest Structure below	
Are there future developments that could be impacted by the crane placement?	
What is the condition of the ground where the crane is planned to be installed? (Known soft ground, landfills, any underground structures; Civic Center Plaza and Denver Union Station have underground structures)	

For All Crane Installations

1. No load allowed to swing over in service RTD track or buildings
2. No loads allowed to be picked in proximity to in service track that could impact rail service on the track.
3. Weather Vaning to be allowed
4. If the crane installation is on RTD property, facility to be restored to original or better condition. Before and after documentation to be provided by licensee.
5. See information on RTD website for protocols for asking for access to rail corridors and RTD Properties.

Submittals Required for Acceptance

1. Crane Lift Plans and Critical Lift Plans
2. Plan to manage impacts to migratory and other birds
3. Annual OSHA Crane Certification Form
4. National Commission for the Certification of Crane Operators Certification for all Crane Operators
5. Qualified Riggers for the work

RTD may comment and ask for changes.