

# Building the Tree Canopy

These tree will be on the Mall!



City and County of Denver Forestry Department, Downtown Denver Partnership, and design team staff selecting trees to be planted on the 16th Street Mall

## How can we establish a resilient canopy as quickly as possible?

**Tree Planting System:** The tree planting system provide approx. 1,000 cu. feet of uncompacted soil for each tree - state of the art for tree growth & health

**Tree Species Diversity:** The new design will include 9 different tree species, to reduce the risk of canopy loss due to disease or other factors.

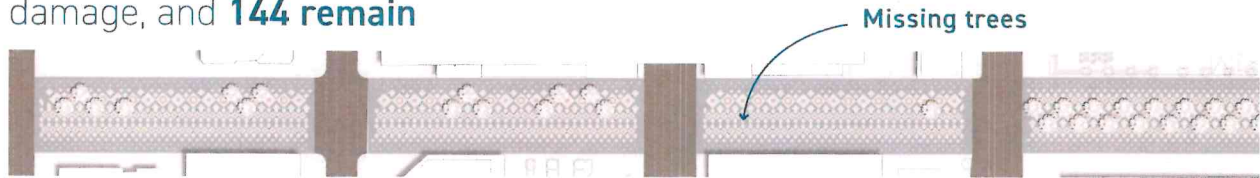
**Tree Procurement and Contract Growing:** The City and County of Denver has partnered with a Tree Procurement contractor to provide large caliper trees for installation on the mall. The City team inspected over **5,000 trees** at 10 nurseries in **4 states** (including Colorado).

The Tree Procurement contractor will transport the trees to two nurseries on the Front Range in spring 2020, and acclimate, grow and prune the trees for installation in the 16th Street Mall.

**The proposed design includes 220 trees: an increase of 76 trees**

# Existing Tree Canopy

The original Mall had **199** trees. 55 have been removed due to disease or damage, and **144 remain**



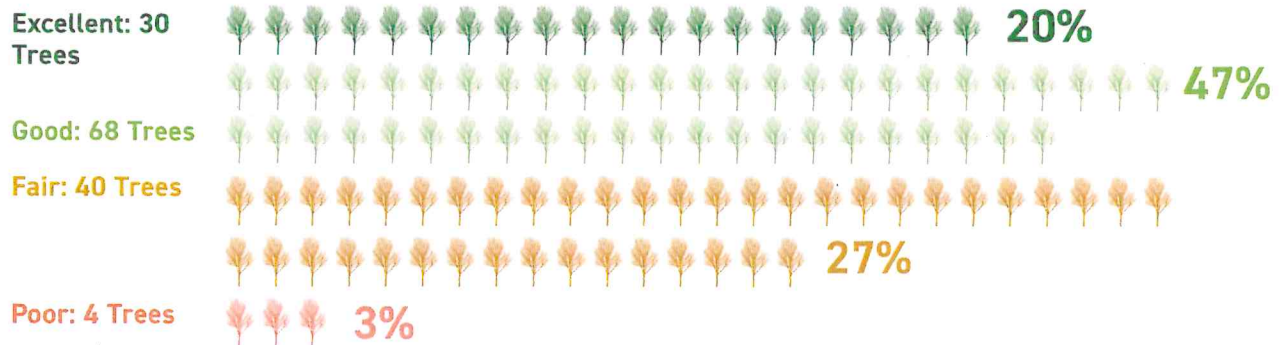
**Growth Rate** is a good predictor of ability to recover from stress.

For the surviving Honeylocust, the average increase in trunk diameter is .15 inches per year. **This is very low.** A good growth rate is 0.5 inches per year.

**Vigor:** Leaf Density & Color **predicts short-term survival**



**Vigor is what people see** when they say "the trees look good in the mall."



**Structure:** Branch & Trunk condition **predicts long-term health**



**74% of the remaining trees have fair to poor structure**, and very low growth rates. Over the long term, losses in Honeylocust trees are likely to increase

