

SYSTEMS AT WORK



# Lighting the Way



Central 70



**AS MOTORISTS DIP BENEATH THE COVER**, a series of lights will illuminate the lanes below. Once eastbound and westbound I-70 traffic is in its final configuration, more than 1,700 LED lights will be in place to help promote safety and prevent slowdowns as traffic enters the tunnel. More than 80 of these lights will be used for emergency lighting and will be on 24-7. In the instance of a power outage, there is a large generator that will power emergency lighting to ensure there will always be some level of lighting in the tunnel.

At the Fillmore and Josephine bridges, photometers measure exterior light, and illuminance meters measure light falling on surfaces inside the tunnel. These devices continually measure and control the amount of light in the tunnel to brighten or dim as needed. This process is called step-less dimming and is an economical, energy-efficient way to control the lighting. In addition, step-less dimming helps our eyes adjust to the lighting differences, promoting driver safety.



Photometer mounted on the Fillmore Street bridge. There's a second one mounted on the Josephine Street bridge.



Look up to see the yellow box on the ceiling of the tunnel. That's an illuminance meter that measures light falling on surfaces inside the tunnel.



**LOOK UP TO SEE MORE THAN 1,700 LED LIGHTS ALONG THE ROOF OF THE TUNNEL.**