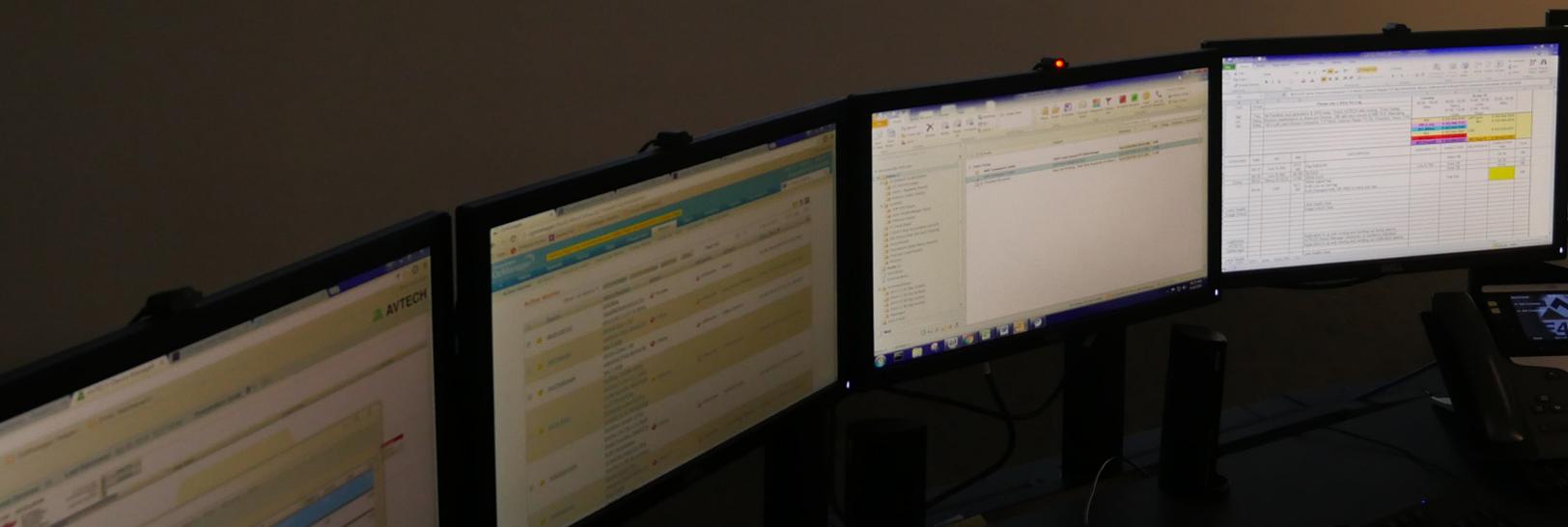
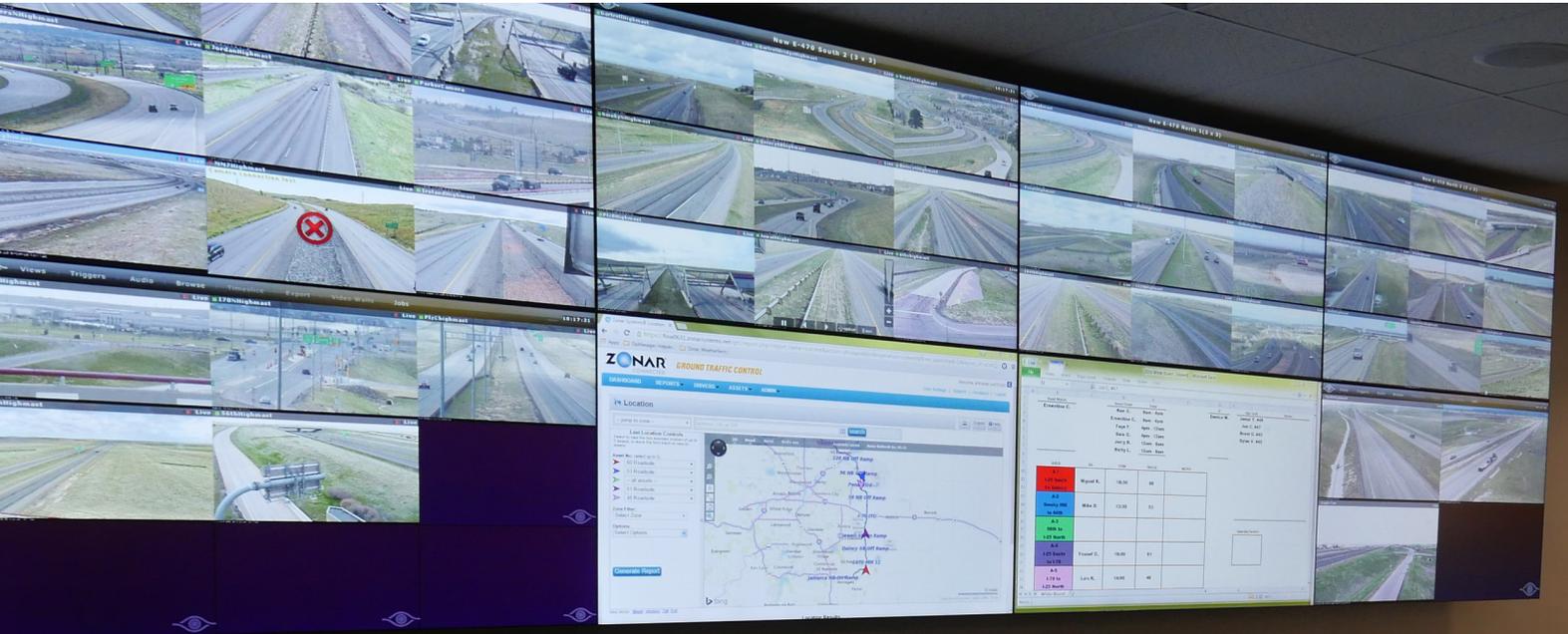




Case Study | E-470

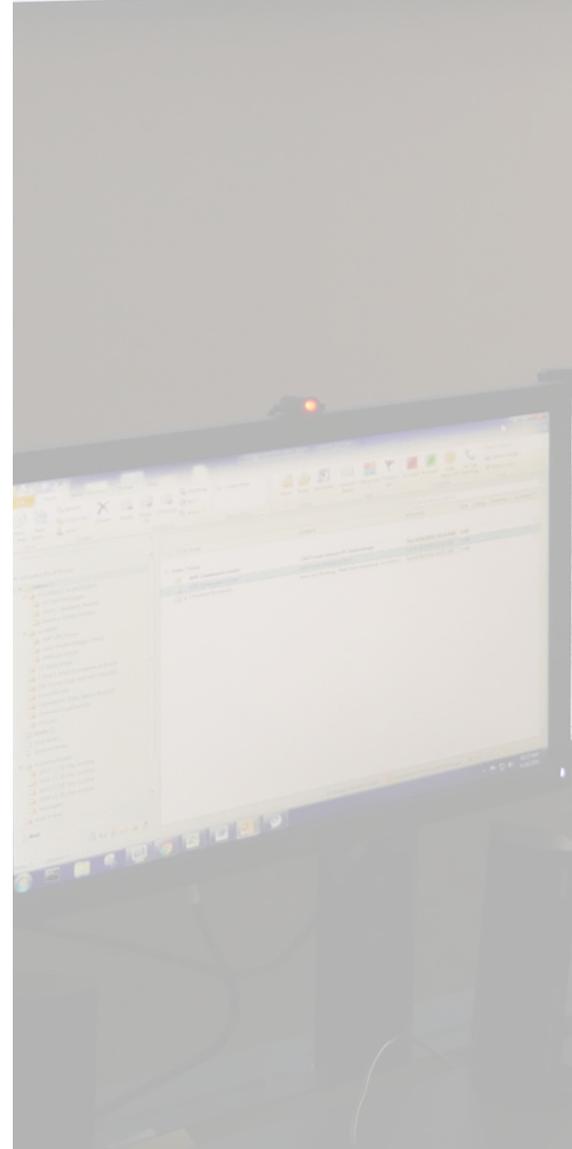
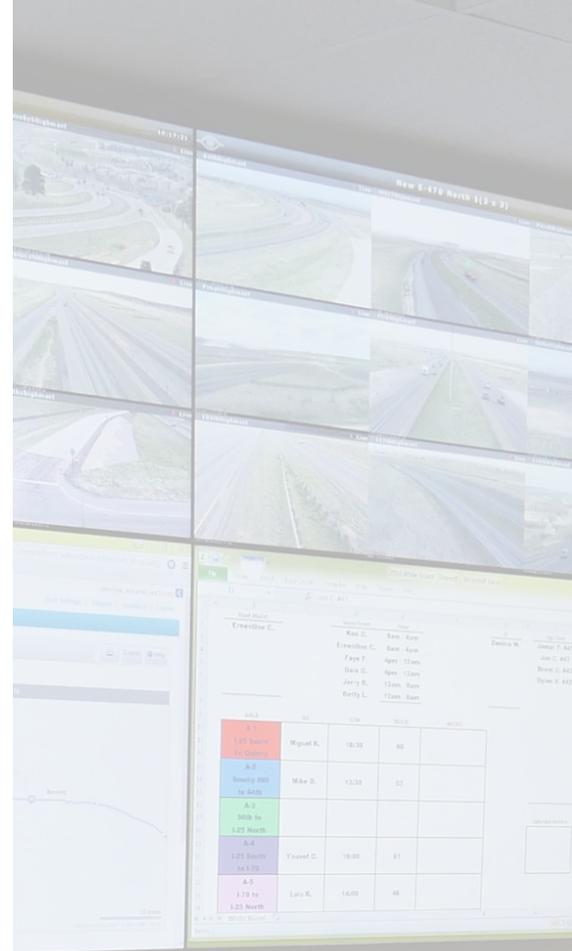
A TECHNOLOGY BOOST TO HELP THE EYES & EARS OF THE HIGHWAY





CHALLENGE

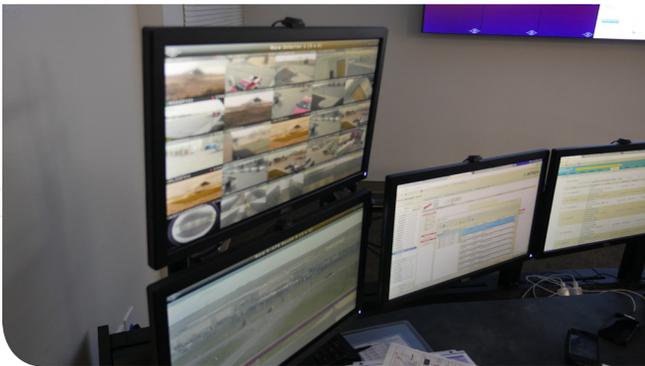
A toll road highway runs through the eastern side of the Denver metropolitan area managed by E-470. E-470 Public Highway Authority is a political subdivision of the State of Colorado. Currently E-470 services the whole state of Colorado and it continues to expand rapidly. Although the expansion is occurring quickly, the facility does not have the space nor the technology to accommodate this growth. E-470 sought out to expand their facility, “making it a better place for all employees and accommodating the rapid growth,” says Ryan Thornton, IT operations manager. The command center was a room that required extra attention - perfect for the expertise of AVI.





SOLUTION

“We wanted to give the com-center some light, make it a pleasant place to work,” explained Thornton. The command center is a vital room for E-470, serving as the eyes and ears of the road, making sure commuters are as safe as possible during all hours of the day. The employees working in the command center monitor all of E-470’s vehicles, including snowplows and roadside assistance vehicles equipped with GPS. Toll equipment and cameras play a big role in not only monitoring traffic, but also safety. Command center employees help in determining how fast it takes vehicles can get to an accident, stabilize the accident, get cones up, and get CSP (Colorado State Patrol) there. E-470’s old command center was described as small, comparable to a closet, and had old technology that was not up to industry



standards. Operations Manager, Walt Arnason had one requirement going into this project, and that was to have the operation center running efficiently and effectively with no issues or

glitches in the technology. This all had to be done within a three-month time period.



With the very short time frame, John Miles, system sales specialist at AVI, was the perfect man to solve E-470’s challenge. AVI installed a 2x4 Samsung commercial grade display video wall. The displays show highway surveillance, allowing command center employees to see if any system is down, constant weather tracking and audio for stat patrols. The video wall is equipped with a tvOne CORIOmaster video wall processor. AVI Systems also installed a Black Box KVM Solution, giving the command center controller the ability to look at multiple monitors while using one keyboard and one mouse for all displays. Through the 10-inch Crestron touch panel, the workers have the ability pull up all their sources to the displays, including the local news, weather channel and highway surveillance.



Maintaining safety was a large concern for E-470, and now with new system they have the ability to keep their eyes on the road 24/7. “The video wall was really the highlight of the project,” says Thornton. “It’s so important to be able to have a simple device go into crisis mode and bring up a specific camera so an accident on a highway can easily be seen.” Arnason explains his experience with AVI, “finding the right vendor and technology, AVI came with everything we were looking for and met the needs, in my perspective, for operations and Ryan’s from technology.”

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- Walt Arnason

