

FDOT 6, Miami, FL [USA]



Digital vision for maximum flexibility

The Florida Department of Transportation (FDOT), District 6, is responsible for all traffic operation activities in Miami-Dade and Monroe counties. In addition to being a major tour destination, approximately 2.4 million people reside in District 6, which includes the major cities of Coral Gables, Hialeah, Homestead, Key West, Miami and Miami Beach.

The Florida Department of Transportation (FDOT), District 6, recently embarked on a major expansion of its operations with a new Traffic Management Center located in Miami, FL. The Traffic Management Center features a 10' x 31' (2.54 m x 7.87 m) Barco monitoring display wall, allowing operators to flexibly and interactively view more than 40 video sources inserted off the network simultaneously.

Along with its new facility, District 6 will expand its traffic operation monitoring with the deployment of 120 to 130 field cameras and up to 43 Dynamic Messaging Systems, over the next three years, enabling additional monitoring of the I-75 highway, as well as the I-195 connector and the notorious US-1. Currently a Gigabit network is employed with three network nodes, to expand to seven network nodes over the three year period.

BARCO

Visibly yours



Fully Flexible Video Windows! All video windows in Barco's solution are freely movable across the entire display, freely sizeable across any number of cubes and may overlap other video windows to allow maximum flexibility for the users to work during incidents.



In order to find a reliable solution that could be customized to meet their specific needs, the FDOT District 6 turned to a select group of companies with the necessary expertise and dedication to quality in order to achieve their goal.

AVI, Miller Electric, TransCore and Barco teamed to design and install an unsurpassed state-of-the-art control room solution for District 6. The new facility now features a 10' H x 31' W (2.54 m x 7.87 m) Barco monitoring

display wall, allowing operators to flexibly and interactively view more than 40 video sources inserted off the network simultaneously, in addition to other networked information.

Barco's TRANSFORM A, a highly flexible and scalable multi-screen controller system, enables easy integration of video and data sources on the display wall. With its intelligent high-bandwidth backplane and its sophisticated OMNISCALE technology, up to 320 external sources can be

integrated into graphic data. The scaleable source windows can be moved to any location on the display wall.

In addition, the FDOT District 6 deployment represents one of the world's first completely integrated, end-to-end digital network (from encoder to display) using Barco's integrated STREAMING VIDEO CARDS. This solution provided significant savings on space and reduced the complexity of installation.





Sean LaNeve, Director Command & Control Group, Audio Visual Innovations:
Installation of the Barco digital streaming video cards was simple and straightforward, especially when compared to the racking and cabling requirements of traditional stand alone decoders. “

Prior to the implementation of the new operations center, the Florida DOT District 6 had a rack cabinet full of decoders for only 13 video channels. Now there is only one rack cabinet including the Barco TRANSFORM A display wall controller, which enables the visualization of up to 64 video channels, with simplified cabling.

“Barco is proud to successfully simplify and expand the monitoring operations for Florida DOT, District 6, as well as providing the flexibility to decode standard digital video streams in large

quantities to a centralized display wall, thus creating substantial savings on digital to analog conversion and switching equipment,” said Hans Dekeyser, International Sales Manager, Barco Control Rooms.

Sean LaNeve, Director Command & Control Group for Audio Visual Innovations, certified Barco partner, stated, “Installation of the Barco digital STREAMING VIDEO CARDS was simple and straightforward, especially when compared to the racking and cabling requirements of traditional stand alone decoders.”

“Miller Electric Company and TransCore, which completed the integration of one of the first large-scale, end-to-end digital traffic monitoring systems, along with the Florida DOT’s leadership and visionary design parameters, have set the example for many traffic control centers nationally,” stated Patrick Shortal, P.E., Associate Vice President for TransCore.

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About Miller Electric Company

Founded in 1928, Miller Electric has been serving the Florida transportation industries for over 12 years. With over 850 employees, current revenue averaging \$90 million dollars yearly for the past three years, Miller Electric ranks in the top 35 electrical contractors in the nation. They have offices throughout the state of Florida and the southeast United States.

About TransCore

TransCore has worked with the state of Florida deploying intelligent transportation systems for almost two decades and designed the state's wireless RFID communications SunPass tag to meet innovative and stringent design specifications that at the time were not offered any where in the country. With installations in 39 countries, 80-plus patents and a world-class manufacturing facility, TransCore's expertise is unparalleled. For more information, visit www.transcore.com.

About AVI

Founded in 1979, Audio Visual Innovations, Inc. is the leading provider of state-of-the-art presentation technology in the U.S. AVI offers sophisticated presentation equipment, audiovisual equipment, LCD projection technology, and audiovisual accessories/supplies as well as systems design and installation, rental, repair, training, presentation design and production services. AVI's headquarters are located in Tampa, with 15 regional

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