The KC Streetcar Main Street Extension will extend the streetcar 3.5 miles south on Main Street, adding 15 stops and connecting the River Market to UMKC. This report highlights construction milestones and progress accomplished in 2023.

CONSTRUCTION TOURS
KCSC hosted three tours of the project for groups including UMKC students, ARENA Railway Roadbed & Ballast Symposium, and the International Erosion Control Association.

SCHOOL COORDINATION
Track work and pedestrian upgrades directly in front of the Foreign Language Academy and St. Paul’s Episcopal Day School were completed ahead of the fall semester.

MAIN STREET EXTENSION MEET UP
KCSC’s communication team hosted a Main Street Meet Up event that supported three businesses on the corridor (Reeves Wiedeman, The Whole Person, and Midtown Market). More than 40 people attended these events!

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UNDERGROUND ELECTRICAL WORK
Crews completed underground electrical work, including installing 7 vaults, for the future Traction Power Substation (TPSS) site located at 38th Street and Baltimore Avenue. Twenty-eight vaults for TPSS sites were installed in 2023.

NEIGHBORHOOD ROADSHOW
KCSC’s communication team attended nine neighborhood meetings along the project corridor to share updates about construction.

TRACTION POWER SUBSTATION WORK
Crews constructed the foundation for the future Traction Power Substation (TPSS) at UMKC. Once the substation arrives it will connect to the electrical work underground to power the streetcar. Five TPSS sites will be built along the construction corridor.

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The Kite E. Singleton Maintenance Yard, also known as the Vehicle Maintenance Facility (VMF), is undergoing a significant expansion to accommodate the growing streetcar line which will connect downtown to UMKC once operational in 2025.

**VEHICLE MAINTENANCE FACILITY**

**CONCRETE WALL PANELS**
Concrete wall panels for Bay 4 arrived. More than 40 panels were delivered, each weighing over 30,000 pounds and measuring 310 feet long.

**RAIL DELIVERY**
Approximately 2,640 feet of rail for the Vehicle Maintenance Facility (VMF) expansion was delivered. This rail is used to build three additional tracks to accommodate eight additional streetcars.

**ANNEX RENOVATIONS**
The 5,684 square foot building was renovated into 2,873 square feet of office space for operators and 2,811 square feet of storage, making this building the new Operations Center.

**THE WALLS ARE UP!**
After months of coordination and planning with national experts, crews completed installation of the concrete wall panels of Bay 4, a double length-bay to store and maintain streetcars, under the Heart of America bridge.

**NEW OPERATIONS CENTER COMPLETE**
KC Streetcar team members temporarily moved to the new Operations Center, allowing renovations to begin inside the maintenance facility and administrative building of the VMF.

**CONCRETE WALL PANELS**
Concrete wall panels for Bay 4 arrived. More than 40 panels were delivered, each weighing over 30,000 pounds and measuring 310 feet long.

**ARRIVAL OF WHEEL TRUING MACHINE**
The new wheel truing machine arrived at the VMF. Streetcars will be able to easily roll into Bay 4 for wheel maintenance.

**RAIL TURNOUT DELIVERY**
The rail turnouts for tracks 5 and 6 were delivered to the VMF.

**TRACK TIE-IN**
Crews completed six days of 24/7 work to tie-in new streetcar tracks to existing tracks at the VMF. This was the first time the existing streetcar track system was connected to new tracks.

**OCS WIRES**
Crews started hanging Overhead Catenary System (OCS) wires, preparing to power streetcars as they enter and exit the VMF.

**WALKWAYS CREATED**
Walkways were formed and poured to access the newly built tracks 5 and 6.

**BAY 4 TESTED**
Crews tested the newly completed Bay 4. This was the first time a streetcar was able to access the maintenance bay.

**RAIL DELIVERY**
Approximately 2,640 feet of rail for the Vehicle Maintenance Facility (VMF) expansion was delivered. This rail is used to build three additional tracks to accommodate eight additional streetcars.

**STEELE CANOPIES**
Crews began building two steel frame canopies to create additional covered maintenance space.

**NEW OPERATIONS CENTER COMPLETE**
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