

KC STREETCAR MAIN STREET EXTENSION TO UMKC 2023 REPORT

MAIN STREET EXTENSION

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, AREMA Railway Roadbed & Ballast Symposium, and the International Erosion Control Association.



SPECIAL TRACK DELIVERY

Crossover track was delivered for the Westport Crossover and the double crossover at the southern terminus.

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 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!



39TH STREET CLOSURE

East 39th St closed for track construction and pedestrian upgrades in the intersection. Crews worked around the clock and successfully completed the work ahead of schedule!

JANUARY

FINAL RAIL DELIVERY

Approximately 34,320 feet of rail was delivered to the southern terminus at 51st St and Brookside Boulevard.



FEBRUARY



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.

MARCH

APRIL



NEIGHBORHOOD ROADSHOW

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

MAY

JUNE

OCS POLES

The first Overhead Catenary System (OCS) pole was installed! 208 OCS poles were installed in 2023.

50% TRACK MILESTONE

On June 13, 2023, crews officially installed 50% of track for the project.



JULY

AUGUST



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.

SEPTEMBER

OCTOBER

WESTPORT CROSSOVER

The second phase of the Westport Crossover work was completed. Westport Road was reopened to all directions of traffic.



NOVEMBER

DECEMBER

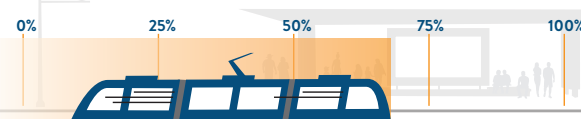
STATION PLATFORM

The southbound 31st Street platform (Union Hill) was completed, making a total of 10 platforms built to date!

2023 PROGRESS

On December 31, 2023, crews hit 67% completion for the Main Street Extension.

Overall Construction Progress 67% Complete*



*Updated as of December 31, 2023

This number includes ALL aspects of the project – track, power systems, pedestrian upgrades, future station stops, and underground electrical work.

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VEHICLE MAINTENANCE FACILITY

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.



STEEL CANOPIES

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



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.

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.



WALKWAYS CREATED

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

JANUARY

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.



FEBRUARY

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.

MARCH

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.



APRIL

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.



MAY

JUNE

JULY



RAIL TURNOUT DELIVERY

The rail turnouts for tracks 5 and 6 were delivered to the VMF.

AUGUST

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.



SEPTEMBER

OCTOBER

NOVEMBER

BAY 4 TESTED

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



DECEMBER

KEEP IN TOUCH! Contact the #BuildKCSC team at info@buildkcstreetcar.com, call 816-337-1013, follow @BuildKCSC or visit buildkcstreetcar.com.