

JOINT COMMITTEE ON DOWNTOWN STREETCAR IMPLEMENTATION SEPTEMBER 15, 2017

the milwaukee
STREETCAR

www.THEMILWAUKEESTREETCAR.com

Project Status – Recent Activity

- Reached 100% design for OMF and Phase 1 and Lakefront with exception of Couture and Michigan Street locations.
- Conducted Project Meetings
- Continued Utility Coordination
- All private telecom construction agreements have been executed. Work is ongoing.
- Project has entered Construction phase
- Operations and Maintenance Contract executed

Project Status – 90 Day Look Ahead

- Continue Private and Public Utility Coordination
- Conducting Project Design, Utility and Vehicle Engineering Meetings
- Finalize Lakefront Design Drawings
- The City plans to submit a Tiger 2017 application for the 4th Street extension. The City should be in a stronger position than previously, having already allocated matching funds for the project.
- Kiewit continues to coordinate with the City and WRTP Big Step and is on track to meet their 21% DBE and 40%RPP goals
- Operations and Maintenance Contractor to begin meeting Contract obligations

Project Status – Operations and Maintenance Contractor

- After a thorough evaluation process and contract negotiation, Transdev has been selected to provide Operations and Maintenance services in a 6.5 year partnership (1.5 year pre-revenue service, 5 year revenue service) with the City of Milwaukee.
- Transdev North America is a leader in the transportation industry and is the largest operator of streetcars in the United States. They operate and manage top quality, efficient, environmentally sustainable transportation networks that enhance people's mobility and their quality of life. Every year from coast to coast, more than 400 million passengers travel with Transdev to work, study, shop or play.
- Transdev has an impressive background in urban rail operations, and currently operates Streetcar systems in Cincinnati, Detroit and New Orleans.

Project Status – Operations and Maintenance Contractor

- The General Manager who will be running the Milwaukee Streetcar system for Transdev on behalf of the City is Darryll Simpson.
 - Senior professional with 30 years of progressive leadership in transit operations .
 - Managerial experience spanning several modes of transit services such as Commuter Rail, Fixed Route and Paratransit bus operations. (*MTA-Metro North, Charlotte Area Transit System, Nassau Intercounty Express*)
 - Previously worked on Streetcar projects in Atlanta and Detroit.
- During the next 90 days, the Operations and Maintenance Contract will begin with Phase 1 of their Contract obligations
 - Development of all documentation required for Streetcar Operations. This includes creating
 - Training Materials
 - Standard Operating Procedures
 - Operations Plans
 - Maintenance Plans
 - Safety Plans

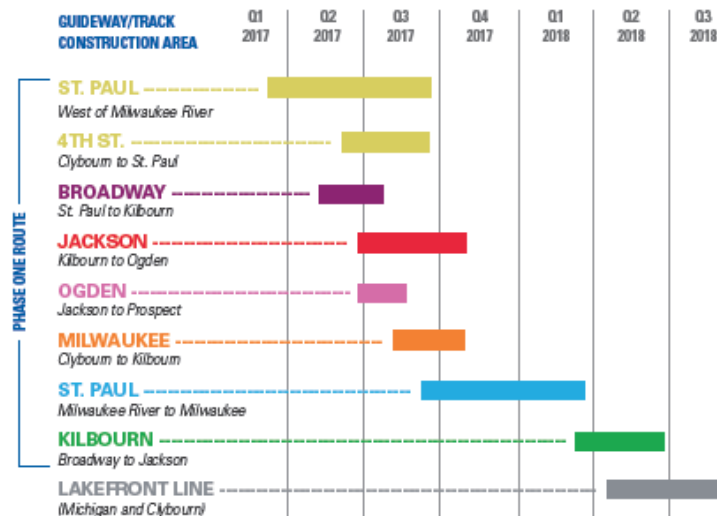
Project Status – Budget

Capital Cost Breakdown	Phase I Budget (\$ millions)	Lakefront Line (\$ millions)	Total (\$ millions)	Total Spent to Date (\$ millions)
Construction	\$62.06	\$20.10	\$82.16	\$21.89
Vehicles	\$19.46	\$3.95	\$23.41	\$4.36
Professional Services	\$14.87	\$2.36	\$17.23	\$14.89
Owner Contingency/Escalation	\$ 2.85	\$1.99	\$4.84	\$0
Total	\$99.24	\$28.40	\$127.64	\$41.14

- Total encumbered costs to date \$123,902,429
- Additional \$1.7 Million in contingency held within construction budget.
Amounts based on pending FTA budget revision

DRAFT

THE MILWAUKEE STREETCAR — PRELIMINARY CONSTRUCTION PLANNING



Note - This preliminary schedule shows guideway/track construction only. There will be other construction activity throughout the route before and after the draft time frame shown here.



PROJECT CONTACT INFORMATION:
 Streetcar Construction Helpline: 414-388-9418
 Email: comments@themilwaukeeestreetcar.com
 Sign up for construction news:
themilwaukeeestreetcar.com/on-the-route

PRELIMINARY: SUBJECT TO CHANGE

Construction Progress Overview

- Mainline revenue service to begin Fall 2018
- Lakefront revenue service to coincide with the opening of the Couture Building
- Zone 1- West St. Paul Ave.
 - Utilities/Drainage – 100%
 - OCS Foundations – 90%
 - Guideway demolition and removal – 90%
 - Guideway construction – 85%
 - OCS pole construction – 0%
 - Platform construction – 40%

Construction Progress Overview continued

- Zone 2 – East St. Paul Ave.
 - Demolition and Utility work started in 3rd Ward after Labor Day
- Zone 3 – Milwaukee St.
 - Utilities/Drainage – 100%
 - OCS Foundations – 100%
 - No other work done to date
- Zone 4 – Broadway
 - Utilities/Drainage – 95%
 - OCS Foundations – 95%
 - Guideway demolition and removal – 93%
 - Guideway construction – 89%
 - OCS pole construction – 0%
 - Platform construction – 50%

Construction Progress Overview continued

- Zone 5 – Kilbourn Ave.
 - Utilities/Drainage – 20%
 - OCS Foundations – None
 - No other work done to date
- Zone 6 – Jackson St.
 - Utilities/Drainage – 95%
 - OCS Foundations – 100%
 - Guideway demolition and removal – 51%
 - Guideway construction – 46%
 - OCS pole construction – 0%
 - Platform construction – 10%

Construction Progress Overview continued

- Zone 7 – Ogden St.
 - Utilities/Drainage – 75%
 - OCS Foundations – 100%
 - Guideway demolition and removal – 85%
 - Guideway construction – 82%
 - OCS pole construction – 0%
 - Platform construction – 0%
- Lakefront Zone
 - No work done to date

Construction Progress Overview continued

- OMF Construction

- Earthwork – 90%
- Footings and Foundations – 100%
- Steel – 80%
- Building Enclosure – 25%
- MEPs – 10%
- OCS Foundations – N/A (Due to off wire propulsion of vehicle in yard)
- Track installation – 0%

Construction Status

- Utility construction relocations are ongoing
- We Energies Lakefront route relocations continuing
- OMF Steelwork nearing completion
- OMF Masonry and veneer work ongoing
- OCS Pole Foundation work ongoing
- CM/GC track/guideway construction ongoing
 - St. Paul, Broadway, Jackson and Ogden
 - Milwaukee Street to start next week
- Underground conduit construction ongoing
- Drainage and manhole construction work ongoing

Construction Status

- Finished and repaved portion of St. Paul Ave. guideway



Construction Status

- Installation and paving of turnout on St. Paul Ave. guideway



Construction Status

- Track and Guideway demolition/excavation and skeletonization of track ongoing at Ogden and Jackson



Construction Status

- Track and Guideway demolition/excavation and skeletonization ongoing on Ogden



Construction Status

- OMF Steel nearing completion.
- OMF Masonry and Veneer ongoing
- OMF – Interior Slab on Grade ongoing
- Yard track installation to begin this month



Construction Status

- OCS Pole foundation and footing excavation and construction ongoing



Construction Status: Traffic Control Strategies

- At least one direction of traffic maintained in most areas
- Broadway reopened to bi-directional traffic
- Pedestrian access maintained
- Construction team's goal is to focus on safety, for stakeholders and workers



Construction Status: Traffic Control Strategies

- Proactive coordination with major events and traffic generators
 - Third Ward Art Festival
 - Veterans Parade
 - Al's Run
 - Holiday Parade
- Comprehensive look at business loading zones and driveway access



Construction Status: Public Involvement

- Bike signage is in place educating bicyclists on how to properly cross the tracks



Construction Status: Public Involvement

- Reminder to motorists that “It’s ok to drive on the track”



Construction Status: Public Involvement

- Installation of center streetcar platforms allowed the City the opportunity to redesign Broadway and install medians



Construction Status: Public Involvement

- One-on-one meetings to coordinate with property owners along route
- Info Sessions held once a week at larger office buildings downtown to inform downtown employees on the Streetcar and construction activities. Sessions have been held at Johnson Controls, Two-Fifty, Milwaukee Public Market, 411 Building and US Bank
- Website and social media kept up-to-date with construction information in weekly updates
- Construction team has standing weekly meetings to meet with local stakeholders at local businesses along the route



Construction Status: Public Involvement

- Weekly e-newsletters featuring:
 - Local workforce
 - ‘Why ride’ – a section for members of the community to tell us why they’ll use the streetcar
 - A construction forecast for the following week
 - News about other cities’ streetcar systems
 - Fun facts, interesting aspects of the project.
- Milwaukee Streetcar Team Member Spotlight
 - Jeff Smith
 - Jeff is a carpenter on the Milwaukee Streetcar and this is his first Milwaukee construction project. He commutes to work from Kenosha and looks forward to the summer festivals every year. Hunting and fishing are his favorite things to do, especially with his 12-week old lab Willow.



Construction Status: Public Involvement

- 5 weekly “Snack Along the Track” lunch events have been held, inviting the community to join us for lunch and to support local businesses.
- 2 Streetcar socials held to date to help distribute project updates and information and to allow local business along the route to connect with the public. The next one will be held at the Public Market with details to be released soon



Vehicle Procurement

- Conducting Bi-weekly Vehicle Engineering Meetings
- Vehicle Design is progressing
- Production of 1st Vehicle has commenced
- Anticipated delivery of 1st Vehicle January 2018



Staying Informed

- ✓ Facebook: [Facebook.com/TheMilwaukeeStreetcar](https://www.facebook.com/TheMilwaukeeStreetcar)
- ✓ Twitter: [@MilwStreetcar](https://twitter.com/MilwStreetcar)
- ✓ Streetcar Construction Helpline: (414)-388-9418
- ✓ Website: www.TheMilwaukeeStreetcar.com
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