

# Project Status - Recent Activity

- Reached 100% design for OMF and Phase 1
- Progressing 100% Final Design for Lakefront
- Conducted Project Meetings
- Continued Utility Coordination
- CM/GC team continues to develop
- Ongoing Constructability reviews
- Pre-Construction coordination meetings ongoing

#### Project Status – 90 Day Look Ahead

- CM/GC to complete preconstruction activities
- Rail delivery to be scheduled, locations to be determined, goal is to minimize impacts
- CM/GC to begin track construction
- Footing and foundation work at OMF to begin
- Continue Private and Public Utility Coordination and Design
- Conducting Project Design, Utility and Vehicle Engineering Meetings
- Finalize Lakefront Design Drawings
- Kiewit engaged in meeting DBE/RPP goals and is coordinating with the City and WRTP Big Step to achieve those goals
- Operator RFP release imminent to be published on DPW procurement Site and Streetcar website

#### Project Status – Budget

#### Streetcar Encumbrances Through Jan. 2017 \$66.22M

	Phase I Budget	Lakefront Line	Total	Total Spent to Date		
Capital Cost Breakdown	(\$ millions)	(\$ millions)	(\$ millions)			
				(\$ millions)		
Construction	\$62.13	\$18.15	\$80.28	\$9.25		
Vehicles	\$19.94	\$3.90	\$23.84	\$3.48		
Professional Services	\$13.88	\$2.40	\$16.28	\$13.50		
Contingency/Escalation	\$ 3.285	\$3.95	\$7.24	\$0		
Total	\$99.24	\$28.40	\$127.64	\$26.23		

#### **Schedule Overview – Phase One**

Phase One		20	17		2018					
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
Final Design										
Utility Relocations										
Construction										
Testing										
Open for Service										

#### **Schedule Overview – Lakefront Line**

Lakefront Line	2017			2018				2019				
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Final Design												
Utility Relocations												
Construction												
Testing												
Open for Service												

#### **Utility Coordination**

- Agreement legal language has been agreed to on behalf of all private telecoms. Scope, schedule and budget to be negotiated on an Individual basis.
- All streetcar related water work has been completed.
- We Energies Phase 1 relocation work is nearing completion.
- DPW has, and continues to, Employ a Support for Business Program for construction related work

#### **Steps in Construction: Overview**

#### Advanced Prep Work:

- Drainage and other utility work
- OCS Pole Foundations
- Rail delivery and welding

### Guideway Construction:

- Excavate and grade
- Drag and set track
- Pour concrete slab

# Roadway Finishing:

- Install poles and overhead wiring
- Finish roadway
   elements such as
   pavement marking,
   sidewalk, and traffic
   signals

### **Steps in Construction: Rail**

Rail delivered and welded in 5 spots along the route. Stored until track construction work comes to that area.











# Steps in Construction: Overhead Contact System (OCS) Foundations

Drill foundations for overhead power system poles



# **Steps in Construction: Guideway**

Street excavation for track slab



# **Steps in Construction: Guideway**

Rail moved into place in street



# **Steps in Construction: Guideway**

Pour concrete around tracks



# Steps in Construction: Overhead Contact System (OCS)

Set poles for overhead power contact system



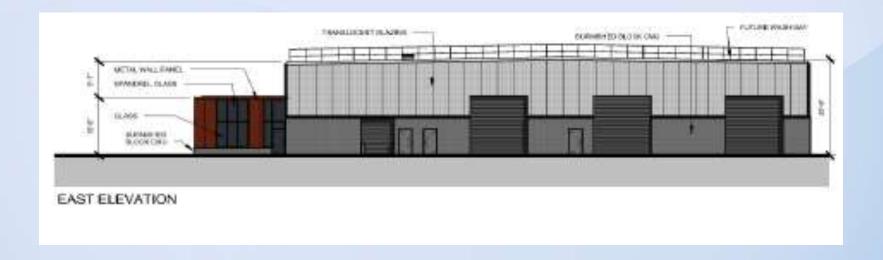
# Steps in Construction: Overhead Contact System (OCS)

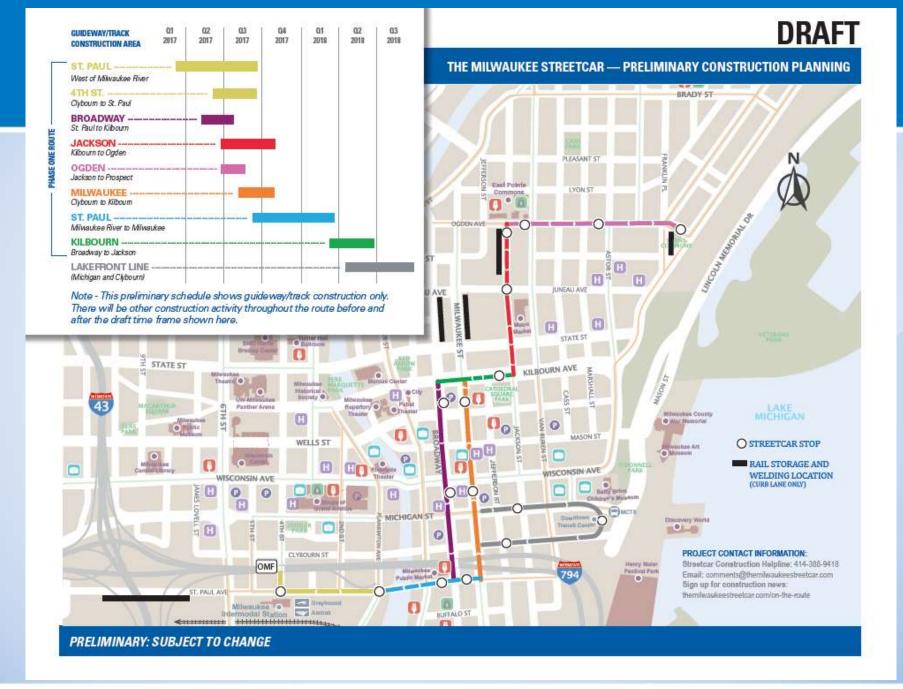
Pull cable/wire through poles



#### **Operations and Maintenance Facility**

- Construction timeframe:
- Proposed Completion Winter 2017/18





# Traffic Control Strategies During Construction

- One direction of traffic maintained in most areas
- Intersection closures short and long term
- Pedestrian access maintained
- Coordination with major events and traffic generators
- Comprehensive look at business loading zones and driveway access



#### **Construction Public Involvement**

- One-on-one meetings to prepare property owners along route
- Website and social media kept up-to-date with construction information
- Localized and broader e-blasts
- Construction team available to meet with local stakeholders:
  - 9am Fridays at the Public Market
  - 10am Fridays at Hotel Metro
- Customized direction sheets and construction updates
- Customized business signing

#### Vehicle Procurement

- Conducting Bi-weekly Vehicle Engineering Meetings
- Vehicle Final Design Review February 2017
- Anticipated delivery of 1st Vehicle December 2017

# **Vehicle Procurement**

City Visit to Brookville February 2017



### **Staying Informed**

