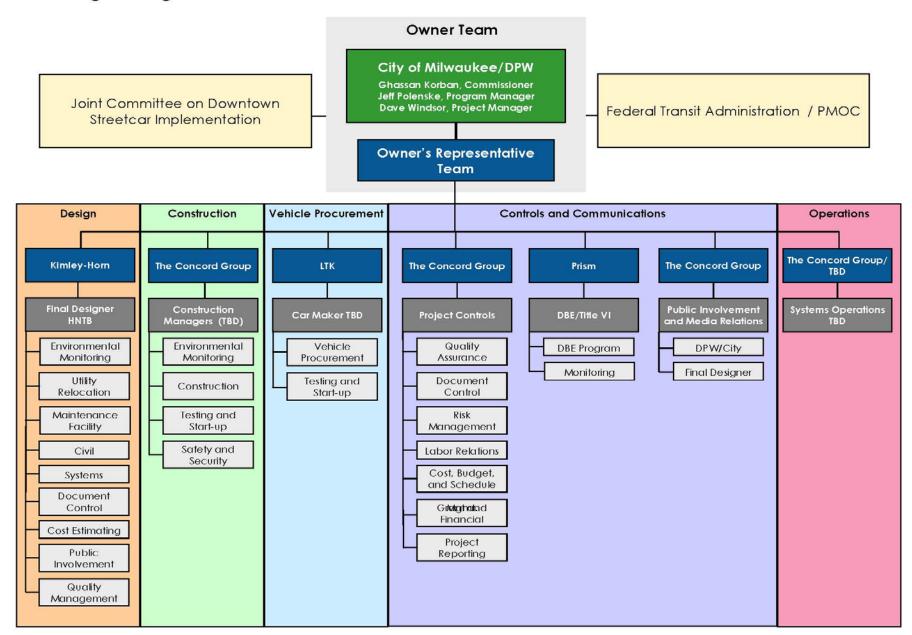
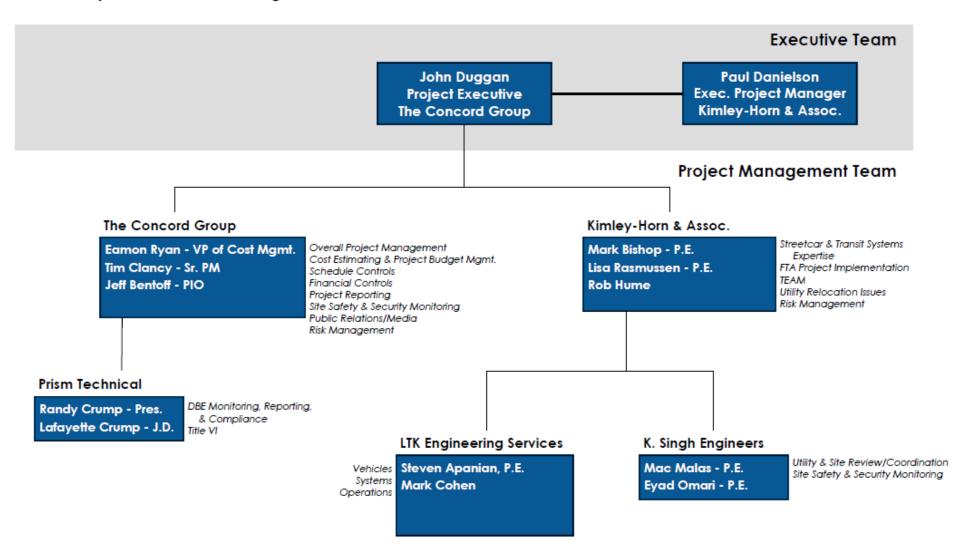


## Milwaukee Streetcar Overall Program Organizational Chart



## Milwaukee Streetcar Owner Representative Team Organizational Chart



FIRM KEY

HNTB (H)

HDR (D)

TERRA Engineering (TE)

Maintenance Design Group (MDG)

**^DBE FIRMS** 

2-Story Creative (2SC)^ Martinsek & Associates (M)^ Zoe Engineering (Z)^ Spann & Associates (S)^ American Design (AD)\*
Thunderbird Enginneering (T)\*
GESTRA Engineering (G)\*
P3 Development Group (P)\*

PROJECT MANAGEMENT TEAM

## CITY OF MILWAUKEE

Commissioner Ghassan Korban, PE

City Engineer Jeff Polenske, PE

Project Manager David Windsor, PE

### OWNER'S REPRESENTATIVE

Concord Group/Kimley Horn

PROJECT MANAGER
Ashley Booth (H)

PROJECT PRINCIPAL Mark Kaminski (H)

DESIGN MANAGER - Luke Olson, PE (D)

#### CIVIL DESIGN

Trackwork
Luke Olson, PE (D)
Chris Romansky (D)
Ryan Bauman (D)

Roadway

Judy Peterson, PE (H)
Tim Keefe, PE (H)
Jason Schafer, PE (H)
David Felber, PE (H)
T.J. Dougherty, PE (H)

Signing/Striping Heather Stabo, PE (S)

Station Area Design Jim Piwoni (AD) Tim Keefe, PE (H) David Felber, PE (H) Jason Schafer, PE (H)

Maintenance of Traffic/Traffic Management Plan Jason Meter, PE (TE)

> Structural Design Mark Mathu, PE (H)

### **DESIGN SUPPORT**

Design Criteria Chris Nyberg, PE (D)

Base Mapping Peter Nilles, PE (TE)

Geotechnical Services Rick Lyons, PE (H) Darin Maciolek (H)

Traffic Analysis
Alicia Dougherty, PE (H)

Environmental Compliance Connie White, AICP (H)

Financial/Operations Analysis Chris Kopp, AICP (H)

#### SUPPORT SERVICES

Project Specifications Judy Peterson, PE (H)

Bid Services Chris Nyberg, PE (D)

Design Liason Luke Olson, PE (D)

#### SYSTEMS DESIGN

Lead Paul White (H)

Traction Power Michael Lam (D) John Carlson (D)

Communication Dallas Olson (D)

Fare Collection Chris Kopp, AICP (H)

Overhead Contact System
Paul White (H)
Daria Keo (H)

#### UTILITIES

Lead Stephanie Roberts, PE (D)

> Coordination Kevin Cornnell, PE, RLS (H)

Design Darius Wright, PE (H)

## VEHICLE MAINTENANCE

BUILDING

Lead

Shawn Brenny, Assoc. AIA,
LEED AP (D)

Soil Borings Scott Miller (G)

Geotechnical Services Rick Lyons, PE (H)

Site & Civil

Stephanie Roberts, PE (D)

Shop Layout (Facility Functional Design) Jon Holler (MDG)

Mechanical & Plumbing Jim Mickowski (T)

Electrical
Daphne Wilson, PE (Z)

Structural Steve Gartner, PE (D)

Specifications Ryan Jones, AIA, LEED AP (AD)

COORDINATION MANAGER - Ashley Booth (H)

## PROGRAM CONTROLS

Project Schedule Ashley Booth (H)

Document Control Tim Keefe, PE (H)

Safety and Security Linda Davis (D)

### PUBLIC INVOLVEMENT

Lead Kris Martinsek (M)

Media Relations Program Jenny Weiss (2SC)

> Web Site Jenny Weiss (2SC)

Outreach Meetings Kris Martinsek (M) Genyne Edwards (P) Manager Anna Varney (H)

Interdisciplinary Review T.J. Dougherty, PE (H)

Geotechnical John Siwula, PE (H)

Communications HDR

Traction Power
Al Greig, PE, LEED AP (H)
HDR

Track HDR

Maintenance Facility Ken Booth (MDG) HDR

Construction Staging Roger Hendrickson, CCC, MRICS, PSP (H)

> Auditor Jim Sepich (H)

> > Daylor NA DI DOM

# **Project Organization – FTA & PMOC**

- Federal Transit Administration (FTA) and Project
   Management Oversight Consultant (PMOC) Closely monitoring the project
- Monthly Teleconferences
- Quarterly In-Person Meetings
- Federal Requirements:
  - Project Management Plan
  - Safety & Security Plan
  - Quality Assurance & Quality Control Plan
  - Technical Capability & Capacity Review
  - Staffing & Staff Succession
     Plans

- Risk Register
- Capital Cost Review
- Schedule Review
- Financial Plan
- EnvironmentalAssessments & Updates

# Project Organization – Joint Committee

- A Joint Committee on Downtown Streetcar Implementation
  was established by the Milwaukee Common Council to
  facilitate and oversee the planning, design and construction
  of the streetcar. The committee is responsible for periodically
  reporting to the Common Council on the progress of the
  Milwaukee Streetcar project.
- Committee to meet on a monthly basis

# Project Status – Phase 1 Starter System



## Project Status – Phase 1 Project Schedule

- Final Design 60 100%
- Vehicle RFP and Selection
- Public Utilities (Water, Sewers & Comm)

Design Complete
 June 2015

Award of ContractsJuly 2015

Construction StartSeptember 2015

Construction Finish August 2016

Operations and Maintenance Facility

Design CompleteOctober 2015

Award of ContractsJanuary 2016

Construction Start March 2016

Construction Finish
 March 2017

# Project Status – Phase 1 Project Schedule (continued)

 Mainline (roadway, trackwork, systems / Overhead Contact System)

Design CompleteNovember 2015

Award of Contracts January 2016

Construction Start April 2016

Construction Finish February 2018

# Project Status – 90 Day Look Ahead

- Investigate Alternate Alignment
- Environmental Analysis Update
- Release Vehicle Procurement RFP
- Finalize DBE Triennial Goal
- Finalize Private Utility Design Agreements
- Finalize Private Utility Design, Plan Approvals and Construction Timelines
- Amend Federal Grant Agreement
- Progress Final Design
- Finalize and BaseLine Project Schedule

# **Project Status - Budget**

## **Capital Cost**

- \$124 M Initial Route + Lakefront Line
  - \$54.9M federal funds (existing)
  - \$10.0M proposed federal funds
  - \$59M local share
    - Use of tax increment financing



Capital Cost Breakdown	Phase I Starter (\$ millions)	Lakefront Line (\$ millions)
Construction	\$61.3	\$14.4
Vehicles	\$17.6	\$4.1
Professional Services	\$12.7	\$2.7
Contingency/Escalation	\$7.3	\$3.9
Total	\$98.9	\$25.1

# Project Status - Phase 1 Budget Status

## Phase 1 Expenses Through February 2015 \$5.9M

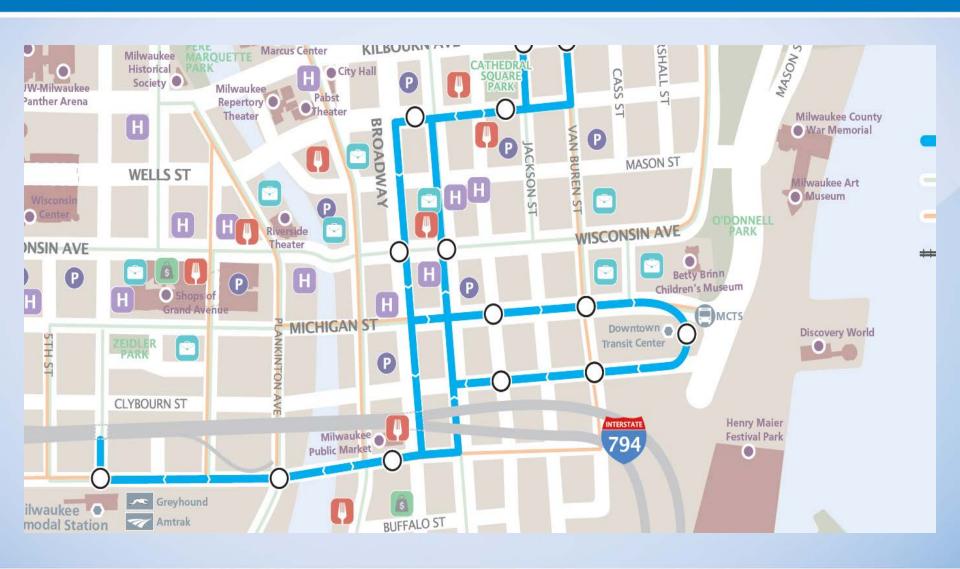
Capital Cost Breakdown	Phase I Budget (\$ millions)	Phase I Spent to Date (\$ millions)		
Construction	\$61.3	\$0		
Vehicles	\$17.6	\$0		
Professional Services	\$12.7	\$5.9		
Contingency/Escalation	\$7.3	\$0		
Total	\$98.8	\$5.9		

Milwaukee Streetcar Budget Summary		Í					A-E
February 2015		A	В	С	D	E	F
				PREVIOUSLY		TOTAL	
		BUDGET	ENCUMBERANCES	SPENT	CURRENT MONTH	EXPENSES	REMAINING
PROJECT		20202.	TO DATE	TO DATE	EXPENSES	TO DATE	BALANCE
10 Guideway & Track Elements			10 8,(12	TOBALLE	2.11 2.11020	10 2,112	D) (E) (110E
10.10 Track: Embedded	\$	9,458			i i	T T	\$ 9,458
10.12 Track: Special (switches, turnouts)	\$	1,011					\$ 1,011
Subtotal	\$	10,469					\$ 10,469
20 Stations							
20.01 Platforms	\$	645					\$ 645
Subtotal	\$	645					\$ 645
30 Support Facilities							
30.02 Light Maintenance Facility	\$	5,830					\$ 5,830
30.05a Yard and Track	\$	2,319					\$ 2,319
Subtotal 40 Sitework & Special Conditions	\$	8,149		1	<u>.</u>		\$ 8,149
40.01 Demolition, Clearing, Earthwork	\$	1,505	T	T	T	T	\$ 1,505
40.02 Site Utilities, Utility Relocation	\$	26,499					\$ 1,505
40.03 Hazardous materials	\$	26,499		1	1		\$ 26,499
40.06 Pedestrian/bike access	\$	127					\$ 127
40.07 Roadways - Reconstruction & Mill/Overlay	\$	1,860					\$ 1,860
Subtotal	\$	30,047	i i	1			\$ 30,047
50 Systems		* 10		d.	V		*
50.01 Traffic Control and Signals	\$	1,425					\$ 1,425
50.03 Traction power supply: substations	\$	3,608					\$ 3,608
50.04 Traction power distribution: OCS	\$	9,521					\$ 9,521
50.05 Communications	\$	740					\$ 740
Subtotal	\$	15,294					\$ 15,294
60 ROW, Land, Existing Improvements							
60.01 Purchase or lease of real estate	\$	(2)					\$
Subtotal	\$	3 <del>-</del> 3					\$
70 Vehicles			To the state of th				To the second se
70.03 Modern Street Cars (assume 4 vehicles)	\$	16,000				-	\$ 16,000
70.07 Spare parts - assumed 10%	\$	1,600					\$ 1,600
Subtotal	\$	17,600	-	\$ -	\$ -	\$ -	\$ 17,600
80 Professional Services	\$	685	\$ 685	\$ 685	s - 1	\$ 685	\$
80.01a Alternatives Analysis / Environmental Assessment	\$	1,857	\$ 1,857	\$ 1,857	\$ -	\$ 685 \$ 1,857	
80.01b Preliminary Engineering (30% plans) 80.02 Final Design (30-60% plans)	\$	2,269	\$ 2,269	\$ 2,087	\$ 72	\$ 2,159	\$ 110
80.02 Final Design (60-100% plans)	\$	2,881	\$ 2,881	\$ -	\$ -	\$ -	\$ 2,881
80.03 Project Management for Design and Construction (Design and PI)	\$	1,680	\$ 1,471	\$ 1,069	\$ 59		\$ 552
80.03 Project Management for Design and Construction (CA and Vehicle)	\$	2,800		\$ -	\$ -	\$ -	\$ 2,800
80.03 Project Management for Design and Construction (Weiss PE)	\$	25	\$ 25	\$ 25	\$ -	\$ 25	\$ 0
80.05 Start up	\$	500		\$ -	\$ -	\$ -	\$ 500
Subtotal	\$	12,697	\$ 9,188	\$ 5,722	\$ 132	\$ 5,854	\$ 6,843
TOTAL Project Cost (10-80) without Contingency & Escalation	\$	94,901	\$ 9,188	\$ 5,722	\$ 132	\$ 5,854	\$ 89,047
	- 11	- 1	1	1	1		1
90 Contingency	ŤĹ.		T I			<u> </u>	1.
90 UNALLOCATED CONTINGENCY	\$	3,999				-	\$ 3,999
Subtotal	\$	3,999	the state of the s	\$ -	\$ -	\$ -	\$ 3,999
STREETCAR PROJECT TOTAL	\$	98,900	\$ 9,188	\$ 5,722	\$ 132	\$ 5,854	\$ 93,046
							+
		+		+	1		+
MANAGE AND THE STATE AND THE S							+

# **Project Status – Lakefront Line**

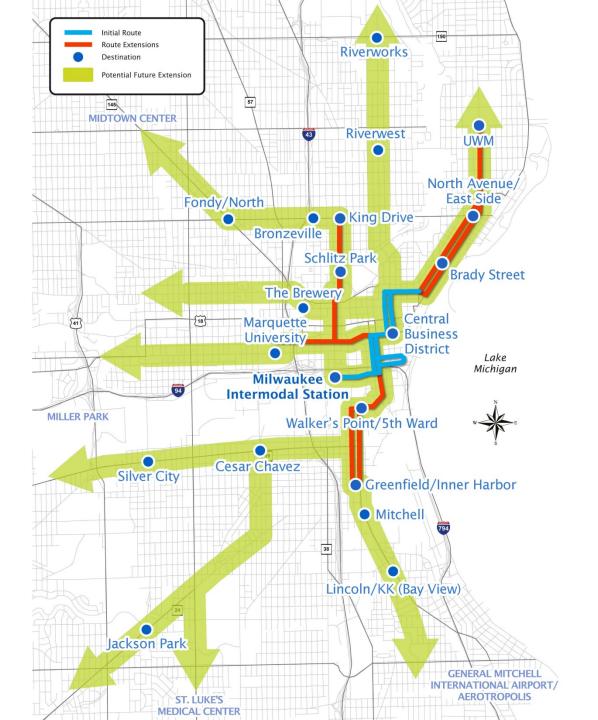
- Coordination ongoing with Gateway Michigan Street and Clybourn Street Improvements to allow retrofit of Streetcar
- Professional services contract amendment currently being negotiated to provide project development, environmental documentation, preliminary engineering and final design services.

# Project Status - Lakefront Line (cont)



# Project Status – System Planning Status

- As directed by Common Council resolution 141313, a scope of services is currently being finalized with SEWRPC to provide a Streetcar System Plan for the City of Milwaukee.
   The system plan will:
  - Evaluate potential extensions of the Milwaukee Streetcar
  - Recommend changes to the MCTS bus routes
  - Develop a guide for the City of Milwaukee to ensure that transit services are integrated with other elements of the transportation system



# Project Status - Vehicle Procurement

LTK Engineering Services

Vehicle Procurement Timeline

Issue RFP April 2015

Pre-Proposal Conference April 2015

Proposals DueJune 2015

Car Builder Interviews July 2015

Best And Final Offer (BAFO) August 2015

Notify Selected Car Builder August 2015

Pre Award AuditSeptember 2015

Issue Notice to Proceed
 September 2015



Establishing Selection Committee

## Project Status - Vehicle Procurement (cont)

## Evaluation Criteria

- Price Proposal Evaluation
- Technical Evaluation
- Aesthetics Evaluation
- Qualifications Evaluation

## Vehicle Characteristics

- Length 65-82'
- Width 8'8"
- 3 Car Bodies
- Double Ended
- Level Boarding



 Specification is Consistent With American Public Transportation Association (APTA Guidelines)

## **DBE – Triennial Goal**

- Federal Code of Regulations 49 CFR Part 26.85
- Required analysis of "Ready, Willing and Able" DBE firms
- DBE participation Goal established for 2015-2017
- Transit Vehicle Manufacturers\* and Private utilities excluded
- Three Step Process
  - 1. Establish a Base Goal "Number of Target firms" divided by "All firms"
  - 2. Adjust for impact of DPW past performance on projects
  - 3. Adjust for absence of availability of DBE firms in specific categories
- Results
  - Construction Services \$36,081,671 Goal 20.73% or \$7,479,730
  - Professional Services \$10,298,000 Goal 17.91% or \$1,844,372
- Currently accepting public comments (30 day period)

TVM must meet federal participation on a manufacturer by manufacturer basis - http://www.fta.dot.gov/civilrights/12891.html

# **Workforce Development - STARTS**

- US DOT FTA Ladders of Opportunity Grant submitted by DPW in partnership with MAWIB in December 2014
- 50/50 (FTA/DPW) Matching grant program
- Anticipated response by April or May 2015
- STARTS a DPW Workforce Training initiative

"Streetcar Training and Advancement for Regional Transportation Systems"

- A Worker Credentialing and Certification Program
- Program will target Underrepresented populations
- Building career pathways for the region's intermodal transportation system
- Contractor hiring incentives modeled after TrANS Program

## Geographic Hiring Preferences Pilot Program



- New and effective March 6, 2015
- Federal Public Comment Period through April 6, 2015
- Previously Resident Preference Programs (RPP) were specifically prohibited on FTA funded projects.
- Program is "Experimental" and requires FTA approval
- RPP approval indicated, but waiting formal final approval

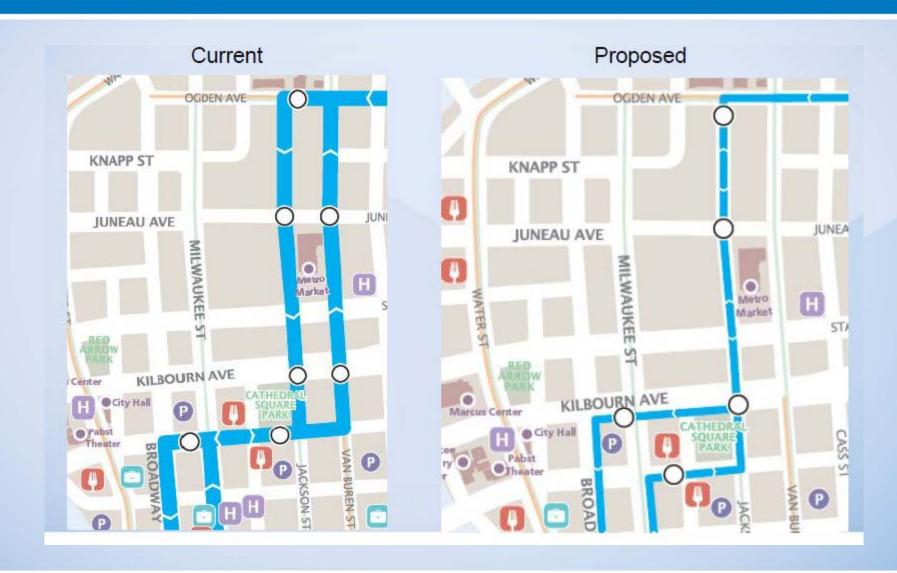
# **Final Design Status**

- Determined locations of route borings along route, at 841 N Broadway TPSS, and at flipped OMF, and began permitting process
  - Began boring surveys
- Scheduled soil borings for along the entire alignment.
- Initiated survey along Kilbourn Ave. for potential route alignment adjustment
- Began analyzing northbound Jackson Street Alignment
- Developed preliminary locations of Reinforced Track Sections for private utility agreements
- Conducted project Kick-off Mtgs.
- Scheduled Private/Public Utility Kick-off Mtgs.

# **Proposed Alignment Change**



# **Proposed Alignment Change**



# **Utility Status**

Request for Judicial Review

# **Utility Status**

WE Energies Design Agreement (closed session)

