Project Update – Milwaukee County Board

April 16, 2021





PROJECT OVERVIEW

The East-West Corridor

NORTH AVE 60TH ST AN BLVD MILWAUKEE AVE VLIET ST STATE ST 0 43 WATERTOWN PLANK RD HIGHLAND BLVD ST MAYFAIR RD STATE ST ZOTH ST NLEY Ο 175 WELLS ST WISCONSIN AVE WISCONSIN AVE MICHIGAN ST CLYBOURN ST Ō \cap \sim O ST BLUEMOUND RL 18 \cap \cap 94 ST. PAUL AVE 94 794 76TH ST 94 ST 341 ST 894 NATIONAL AVE LEGEND: • Stations Right travel lane **—** Mixed traffic Dedicated transit lane in right lane Transit vehicle shares lane next to parking lane with other vehicles

PROJECT OVERVIEW

EAST BRT

What is Bus Rapid Transit? FREQUENCY and RELIABILITY

Using a Package of Bus-Based Transit TOOLS:

- Dedicated Lanes
- Transit Signal Priority
- Level Boarding
- Specialized Vehicles
- Off-board Fare Collection
- Fewer Stops
- Increased Frequency









PROJECT OVERVIEW



WEST BRT

Populations Served

BRT Population Statistics

Place	Population	% Zero-Car Households	% Minority Population	% Population below Poverty
East-West Corridor (within ½-mile)	69,821	21%	37%	23%
City of Wauwatosa	46,838	8%	12%	6%
City of Milwaukee	598,078	18%	63%	29%
Milwaukee County	953,401	14%	46%	22%
State of Wisconsin	5,724,692	7%	17%	13%

Census, ACS 2010-2014

PROJECT OVERVIEW

PROJECT OVERVIEW



Station Design





PROJECT STATUS



Milestones

<u>2020</u>

- Final Design Activities
 - 100% designs
 - Utility coordination
 - Continued stakeholder engagement
- FTA Risk Assessment
- Begin vehicle procurement
- Small Starts Grant Agreement
- Milwaukee County Board Approval



<u>2021</u>

Begin Construction

2022

- Vehicle delivery and testing
- Finalize Construction
- Fall Start of revenue service

PROJECT STATUS

EAST BRT WEST BRT

Schedule

iwaukee Co	ounty East West BRT IMPS - Updated 09-MAR-21			Exhib	A - All Activities	Printed: 16-Mar-21 @ 10:14 TASK filter: All Activities		
ty ID	Activity Name	RD	Start	Finsh	Total Float 2021	2022 2023 2024 2025		
lilwaukoa	e County East West BRT IMPS - Updated 09-MAR-21		_		Q1 Q2 Q3 Q4	Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 2		
			_	`				
Milestone								
MS1000	Publish FONSI Complete	0		29-Nov-18 A				
MS1020	90% Design Complete	0		03-Oct-19 A				
MS1030	Bid Documents Complete	0		06-Jan-20 A		KEY DATES		
MS1060	IGAs Finalized	0		13-Apr-20 A				
MS1040	ROW - TLE Consultant Procurement Complete	0		24-Jul-20 A	ultant Procurement Complete			
MS1045	ROW - TLEs Start		27-Jul-20 A					
MS1160	Issue Vehicle RFP	0	30-Jul-20 A		i la la serie da serie da	TTA Creat Assert Dec 11 0000		
MS1010	Review & Approval of Utility Plans Complete	0		31-Jul-20 A	al of Utility Plans Complete	FTA Grant Award: Dec 14, 2020		
MS1070	Start Advertise for Construction Bids		19-Jan-21 A		Start Advertise for Construction B			
MS1170	Vehicle Contract Awarded	0		01-Mar-21	6 • Vehicle Contract Awarded			
MS1050	ROW - TLEs Complete	0		05-Mar-21	70 ROW - TLEs Complete			
MS1090	Construction Contract Awarded	0		19-Apr-21	8 Construction Contract A	Construction Dide duras Annil 10,0001		
MS1095	NTP 1 (Contractor)	0	20-Apr-21		8 NTP 1 (Contractor)	• Contractor Bids due: April 16, 2021		
MS1130	Communications and Security Equipment - Contract Awarded	0		27-Apr-21				
MS1150	Fare Collection Equipment – Contract Awarded	0		27-Apr-21	14 Fare Collection Equips			
MS1100	2021 Construction Season Start		27-May-21		3			
MS1270	Start Driver Hiring		09-Nov-21					
MS1105	2021 Construction Season Complete	0		10-Nov-21*	3 🔶 2	Contractor Award: April 26, 2021		
MS1180	Vehicles Delivered (5) February	0		01-Feb-22	6	hides Delivered (5) February		
MS1210	Vehicles Testing Begin (5) February	0	02-Feb-22		25	hides Testing Begin (5) February		
MS1310	Vehicles Testing Complete (5) February	0	01-Mar-22		6	Vehicles Testing Complete (5) February		
MS1190	Vehicles Delivered (5) March	0		01-Mar-22	104			
MS1220	Vehicles Testing Begin (5) March	0	02-Mar-22		84	Vehicles Testing Begin (5) March • Construction Start: June 2021		
MS1110	2022 Construction Season Start	0	01-Apr-22		0	◆ 2022 Construction Season Start		
MS1320	Vehicles Testing Complete (5) March	0	01-Apr-22		82	◆ Vehicles Testing Complete (5) March		
MS1200	Vehicles Delivered (1) April	0		01-Apr-22	81	Vehicles Delivered (1) April		
MS1230	Vehicles Testing Begin (1) April	0	04-Apr-22		61	◆ Vehicles Testing Begin (1) April		
MS1340	Vehicles Testing Complete (1) April	0		29-Apr-22	61	Vehicles Testing Complete (1) April First Vehicle: April 2022		
MS1350	Driver Hiring Complete	0		29-Apr-22	6	Driver Hiring Complete I II St V CTITIOTC. 7 April 2022		
MS1360	Start Driver Training	0	02-May-22	2	6	◆ Start Driver Training		
MS1240	Start Test Systems Equipment at Stations	0	17-May-22		10	Start Test Systems Equipment at Stations		
MS1114	Major Utility Relocations Complete	0		27-Jun-22	14	Major Utility Relocations Complete		
MS1300	Test Systems Equipment at Stations Complete	0		13-Jul-22	10	Test Systems Equipment at Stations C		
MS1250	Start Integration Testing & Commissioning	0	14-Jul-22		10	♦ Start Integration Testing & Commissio		
MS1115	Civil Complete	0		15-Jul-22	8	Civit Complete		
MS1120	2022 Construction Substantially Complete	0		27-Jul-22	0	Child Compared Substantially Com		
MS1280	Complete Driver Training	0		19-Oct-22	6	Complete Driver Training Complete Driver Training		
MS1290	Integration Testing & Commissioning Complete	0		27-Oct-22	D	Integration Testing & Commissioning Complete		
MS1260	Revenue Service Date (RSD) Complete	0		10-Jul-23	0	recention reading commencements complete		
MS4000	Warranty Services Post-Revenue Service Complete	0		20-Oct-23	0	Vertex control control (Vertex) post-		
COVID-19		•	_	20-04-20				
154	COVID-19 Related shutdown	0	25-Mar-20 A	26-May-20 A	hown			
	ining Level of Effort Actual Work Critical Remainin Level of Effort Remaining Work ♦ ♦ Milestone	g Work		Dat	Page 1 of 33 Date: 28-Feb-21			

PROJECT STATUS

WEST BRT

BUS ANNOUNCEMENT

- Eleven Battery Electric Buses (BEB)
- Overhead charging facility
- RFP released on July 30, 2020
- Selection announced March 11, 2021 Nova Bus (Volvo Group)
- Vehicle delivery expected April- September 2022
- Several components of the bus will be built and assembled locally at businesses in Pleasant Prairie, Racine, Greendale, Pewaukee, Elkhart Lake, and Manitowoc





PROJECT STATUS – VEHICLE STATUS



Testing and Training Schedule*

Testing/Training	Start	Complete
Bus Charging Station Testing	February 2022	April 2022
Vehicle Testing	April 2022	May 2022
Driver Training	May 2022	October 2022
Integration & Commissioning	July 2022	October 2022

*Note: These dates are subject to change pending vehicle delivery and construction completion.

PROJECT STATUS – VEHICLE STATUS



UPCOMING ACTIONS & IMPACTS

Upcoming Actions and Impacts

- Construction Contractor on board
 - Pre-Construction Activities
 - Updated Construction Schedule
 - o Groundbreaking June 2021
- Release of RFP BRT Fare Collection System
- Regular TPW&T Updates
- On-going Stakeholder Coordination





WEST **BRT**

UPCOMING ACTIONS & IMPACTS

For more information: www.eastwestbrt.com

(Construction Updates COMING SOON!)

Or contact:

Brittany Bertsch – MCTS Project Manager bbertsch@mcts.org

David Locher – MCTS Transportation Manager dlocher@mcts.org

