

SOUTHWEST

Green Line LRT Extension



SWLRT Corridor Management Committee

December 4, 2019



EDEN PRAIRIE | MINNETONKA | EDINA | HOPKINS | ST. LOUIS PARK | MINNEAPOLIS

Today's Topics

- Welcome
- Approval of Minutes
- Chair's Update
- Project Update
- SWLRT Construction
 - 2019 Progress
 - 2020 Look Ahead
- Communications & Outreach
- DBE and Workforce Update



Overall Project Schedule

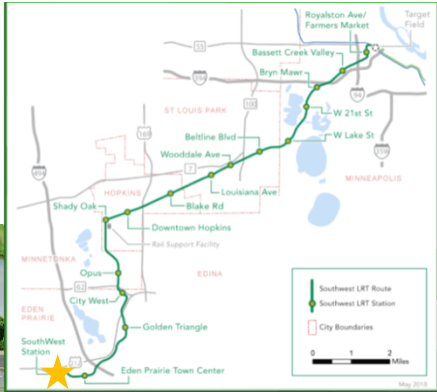
	2011-2015	2016	2017	2018	2019	2020	2021	2022	2023
Project Development									
Engineering		ROD		AROD					
Construction				LONP #1	LONP #2	FFGA			
LRV Design, Production & Testing									
Fare Collection Production & Testing									
Integration Testing									
Revenue Operations									

2019 Major Milestones

- Civil Contract: Issue LNTP #2
- Submit FFGA Materials
- Receive Letter of No Prejudice #2 from FTA for Civil and Systems
- Award Systems Contract
- Civil Contract: Issue LNTP #3
- Systems Contract: Issue LNTP #1
- Franklin O&M Contract: Issue Invitation for Bids
- Award SCADA Contract

2019 Construction Progress

Before: Temporary Bus Passenger Waiting Area at SouthWest Station



After: Temporary Bus Passenger Waiting Area at SouthWest Station



Temporary Shoring at SouthWest Station



Pile Supported Retaining Wall at SouthWest Station



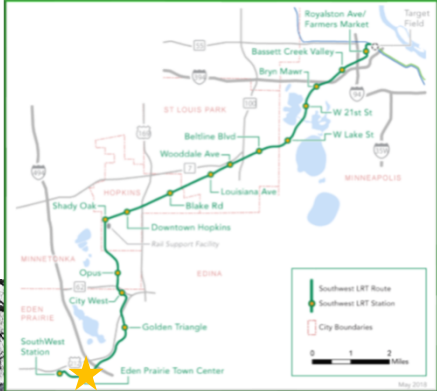
LRT Bridge Foundations at Prairie Center Drive



Before: Clearing and Grubbing at Eden Prairie Town Center Station



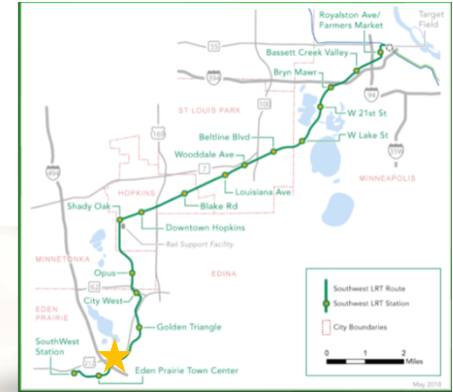
After: Retaining Walls Adjacent to Eden Prairie Town Center Station



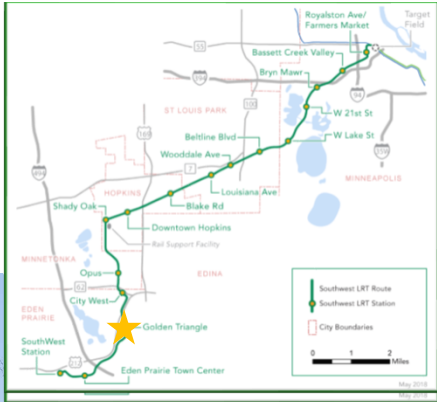
LRT Bridge Pier at I-494



LRT Bridge Piers at Valley View Rd



Pile Installation at Golden Triangle Station



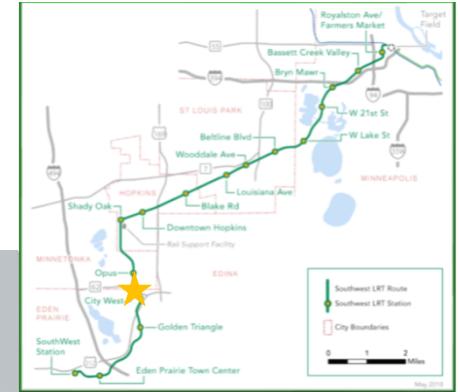
Grade Beams, Track Slab Supports & OCS Foundations at Golden Triangle Station



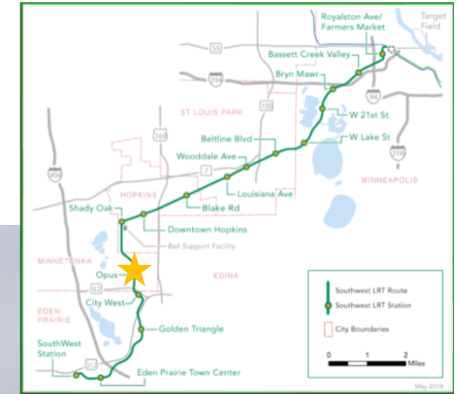
Temporary Shoring at TH 212/Shady Oak



Roadway work for Lane Shift for TH62 Tunnel



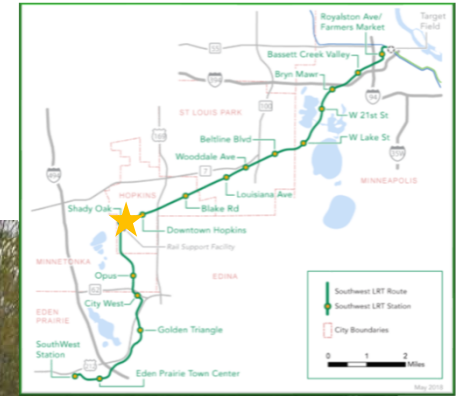
Utility Work at Smetana and Feltl



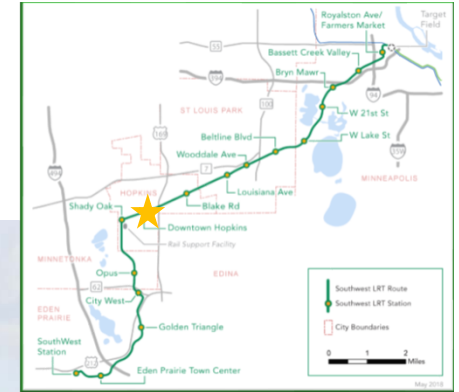
Before: Clearing and Grubbing Near Shady Oak Station



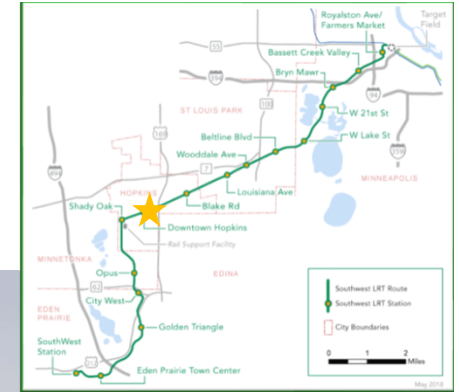
After: Surcharge Near Shady Oak Station



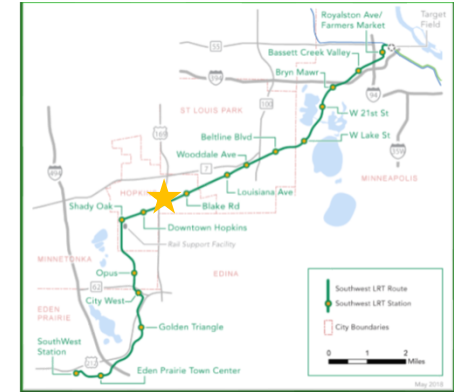
Before: Downtown Hopkins Station



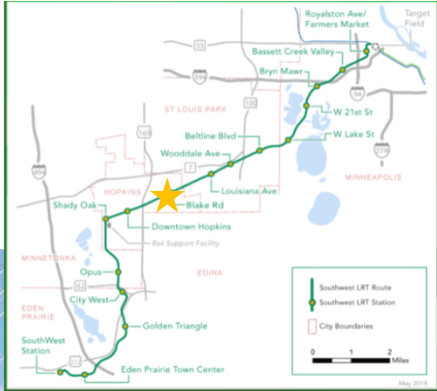
After: Foundation & Conduit Work for Downtown Hopkins Station



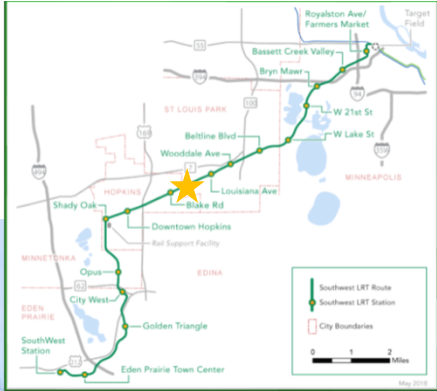
Freight Track Shift for Excelsior Bridge



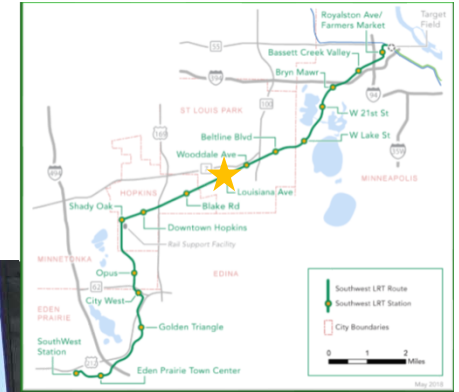
Pedestrian Tunnel at Blake Rd Station



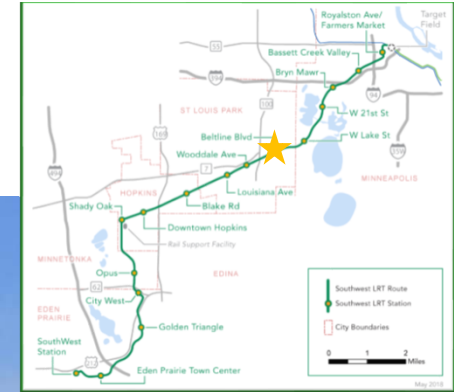
Bridge Abutment at Minnehaha Creek



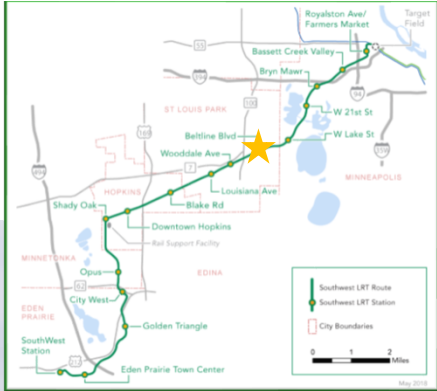
Abutment Work for Pedestrian & Freight Bridges at Louisiana Ave



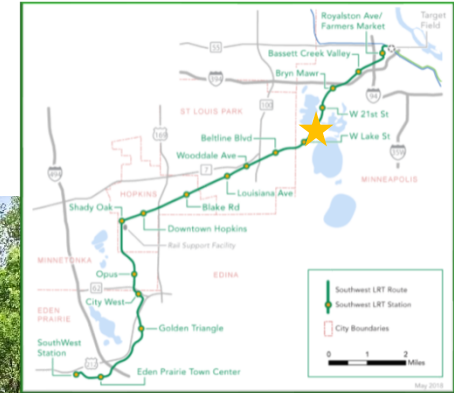
Before: Pile Driving for Pedestrian Bridge at Beltline Blvd



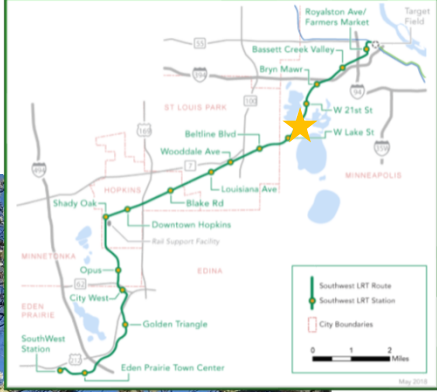
After: Pedestrian Bridge Piers and Decking at Beltline Blvd



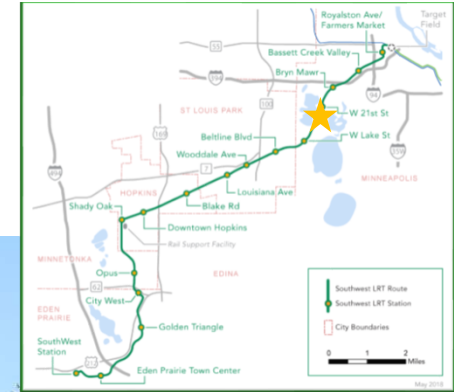
Before: Clearing & Grubbing in Kenilworth Corridor



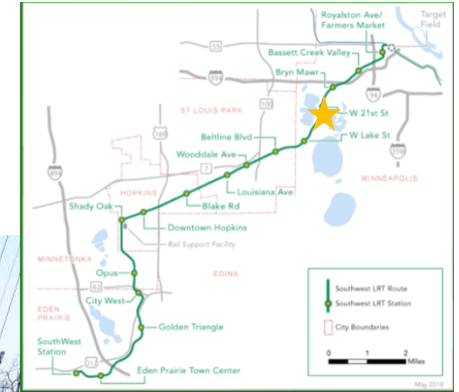
After: Tunnel Sheeting in Kenilworth Corridor



Before: Construction of Freight Bridge over Cedar Lake Channel



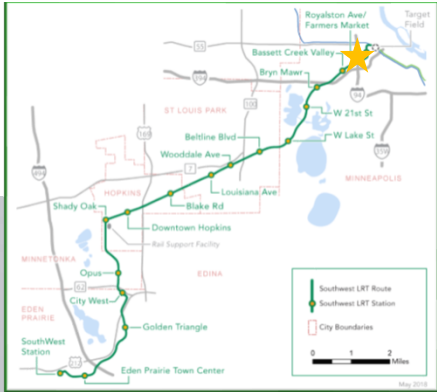
After: Construction of Freight Bridge over Cedar Lake Channel



Before: Glenwood Ave Bridge



After: CenturyLink Duct Bank Relocation



Xcel Relocation of Powerlines at Royalston



2020 Construction Look Ahead

- Construction on all 16 stations
- Large part of freight track complete and the start of LRT trackwork
- SouthWest Transit operating out of the temporary waiting area
- Second traffic shift for TH 62 tunnel
- Excelsior Bridge form construction
- Kenilworth tunnel complete through Cedar Lake Parkway
- Freight bridges complete in Bass Lake Spur and Kenilworth Corridor

Light Rail Vehicle Update

Light Rail Vehicle Update

- Production progress
 - Completed 27 girder sets
 - Completed car shell production for LRVs 301-322
 - Completed car shell finishing for LRVs 301 and 302
 - Began or continued car shell finishing for LRVs 303-322
 - Continued LRV final assembly for LRVs 301 and 302

Light Rail Vehicles

LRV 301:
Insulation and
interior cladding
in progress



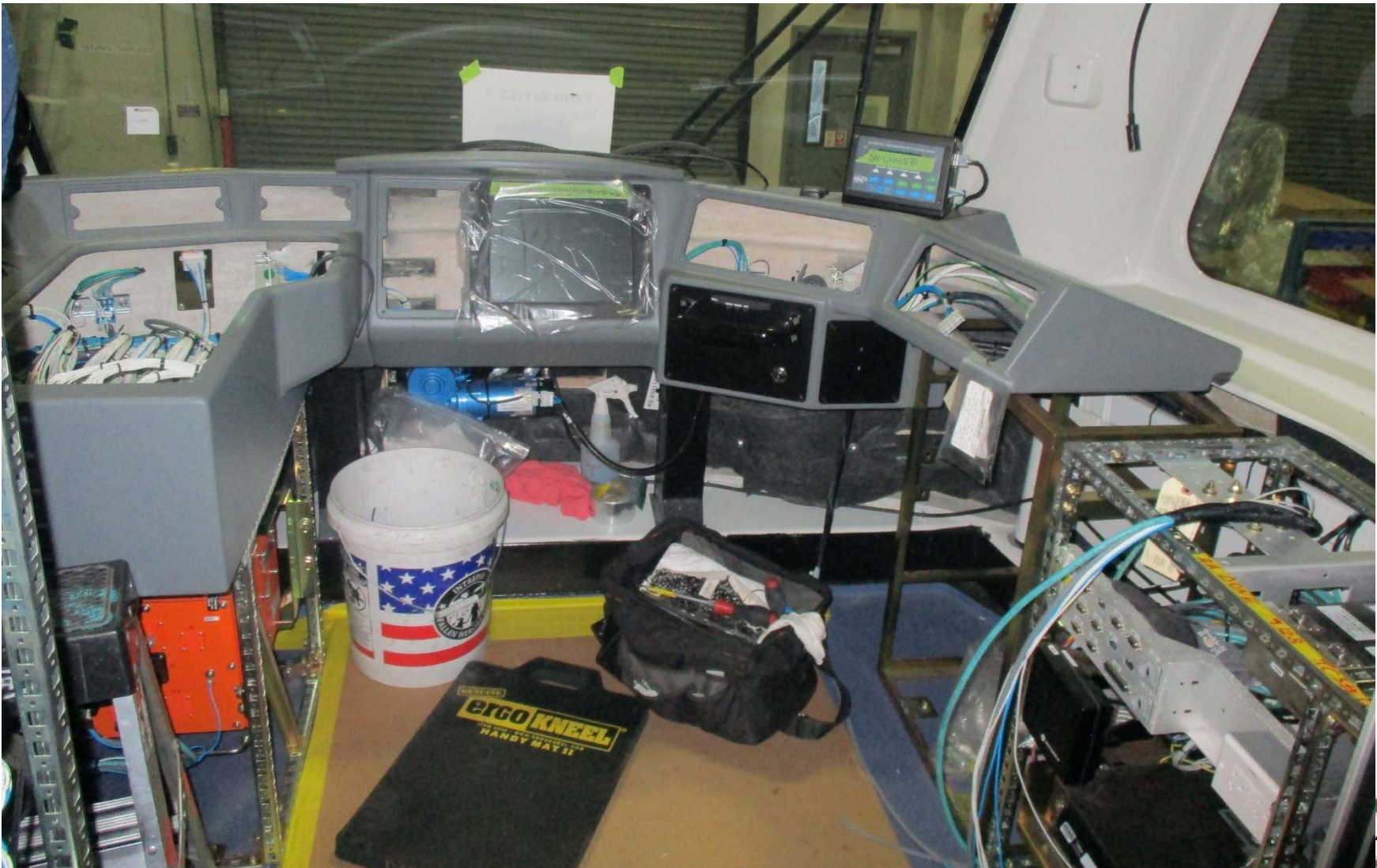
Light Rail Vehicles

LRV 301: Cove installation



Light Rail Vehicles

LRV 301: Cab dash installation in progress

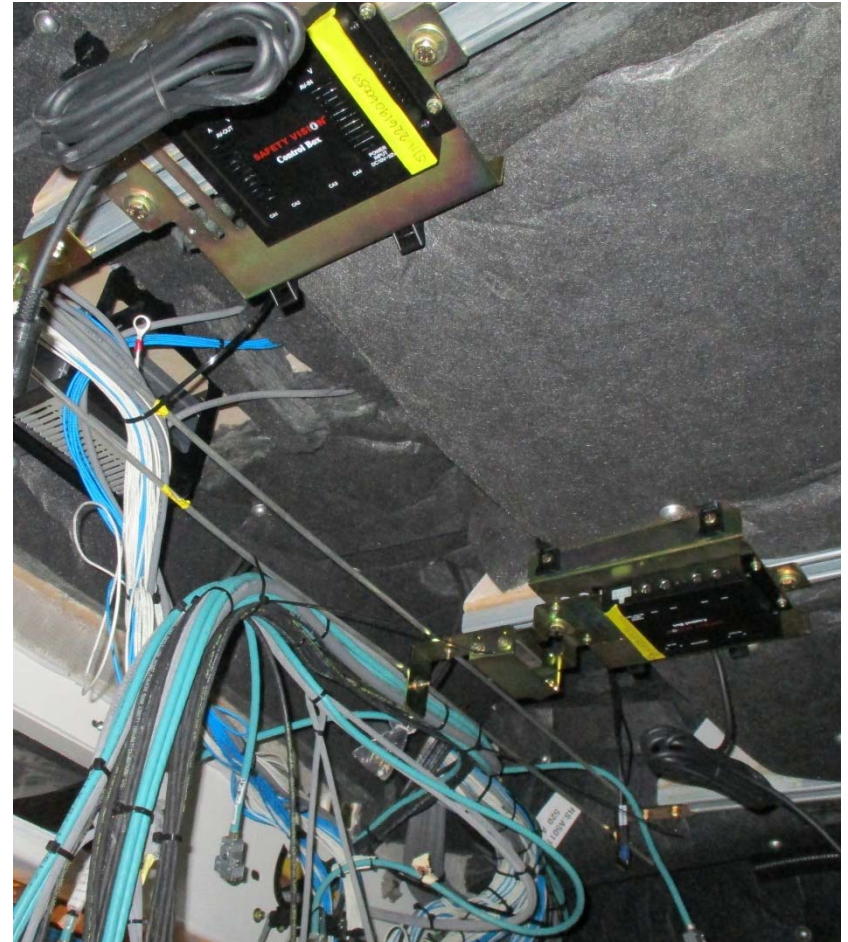


Light Rail Vehicles

LRV 301: Rear-facing Camera

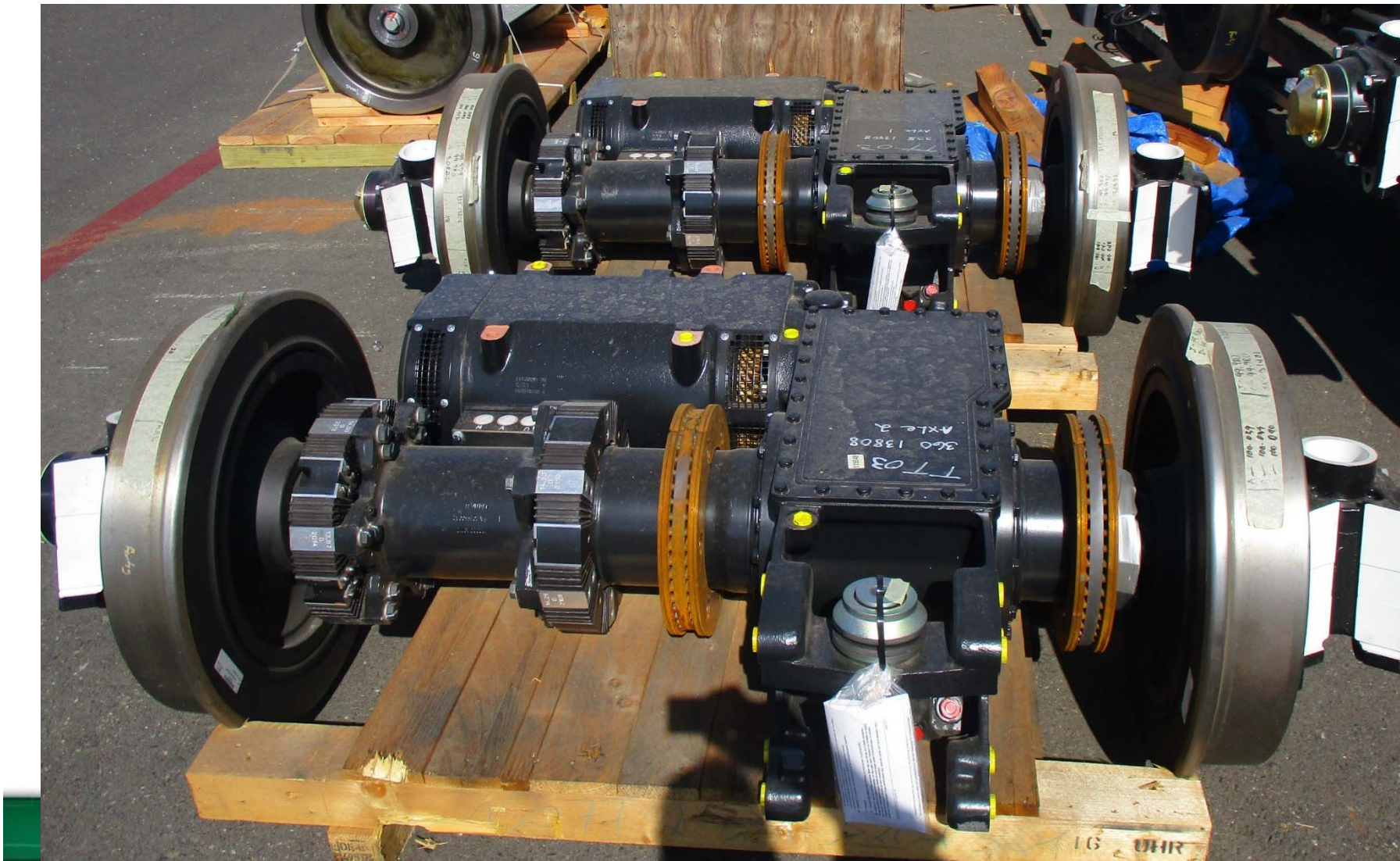


Camera Controllers



Light Rail Vehicles

LRV 302: Truck axles and gear boxes



Light Rail Vehicles

LRV 302: Power Truck passed inspection



Systems Contract

Systems Contract Overview

- Contract Award: Sept 18, 2019
- Contractor: Aldridge-Parsons, a Joint Venture
- Contract Value: \$194,411,000



PARSONS

Aldridge: HQ in Libertyville, IL

- Lead contractor for Systems on CCLRT
- Engaged in utility, transportation and commercial/industrial projects across the US with an emphasis on electrical and communications systems

Parsons Corporation: HQ in Centerville, VA

- Technology focused contractor engaged in defense, intelligence, security and infrastructure engineering
- Experienced in systems integration and project planning

Systems Contract Scope

- 20 traction power substations
 - Design, fabricate and install
- Overhead contact system
 - Poles, hangers, cabling
- Tunnel facilities
 - Ventilation, fire suppression, lighting
- Communications
 - Network, voice, paging, cameras
- Wayside signaling system
 - Signals, interlockings, crossings
- Testing and Integration



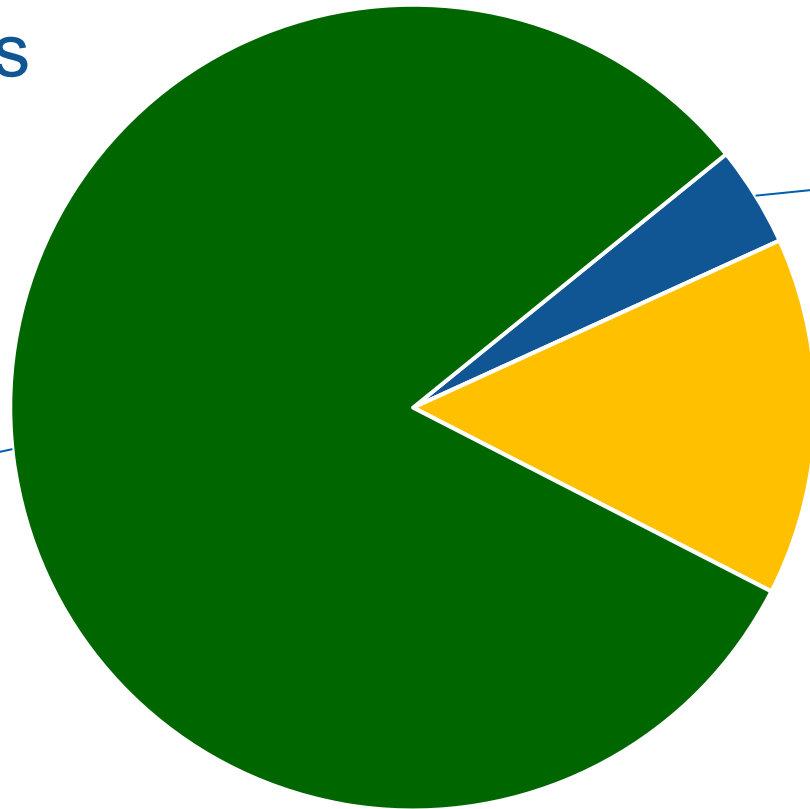
Anticipated Systems Project Timeline

- 2019-2020
 - Design and product data submittals
 - Long lead time product procurement
 - Installation and test procedures
- 2021-2022
 - Construction and installation of systems components
 - Boots on the ground across the alignment
- 2023
 - Complete installations
 - Systems integration testing
 - Pre-Revenue testing by Metro Transit

Systems: DBE Contracts

- DBE Goal: 12%
- APJV DBE Commitment: 12.19%
- DBE contracts total: \$26,373,000

White Female
(3 contracts)
\$21,526,000.00
82%



Subcontinent Asian
Indian
(1 contract)
\$1,062,000.00
4%

Black
(3 contracts)
\$3,785,000.00
14%

Communications & Outreach Update

Construction Communications

- Sign-up for the weekly project construction updates at swlrt.org; sent out every Friday to your email and/or phone

- Follow us on

- Twitter: [@SouthwestLRT](https://twitter.com/SouthwestLRT)
- Facebook: [@MetropolitanCouncil](https://www.facebook.com/MetropolitanCouncil)
- Instagram: [@southwest_lrt](https://www.instagram.com/southwest_lrt)
- Flickr: [flickr.com/photos/metcouncil/albums](https://www.flickr.com/photos/metcouncil/albums)



- Learn more about the project: swlrt.org

- Videos
- Station renderings
- Committee information



Digital Metrics: GovDelivery

- April 26: 8,265
- May: 15,159
- June: 15,444
- July: 15,683
- Aug: 15,587
- Sept: 15,944
- Oct: 16,100
- Nov: 16,159

CONSTRUCTION



Construction hotline

For urgent Southwest LRT construction issues, please call the 24-hour hotline at [612-373-3933](tel:612-373-3933) for assistance. Call the hotline for problems such as blocked access to business or residential areas, improper traffic sign placement or parking issues. For general questions or comments about Southwest LRT, **contact your Community Outreach Coordinator**.

For emergencies, always call 911.

Construction activity updates

The Metropolitan Council will provide information on construction activities every Friday throughout construction. Subscribe to receive construction activity updates by email or text in the signup box in the right column.

Southwest LRT Construction Update: November 15, 2019

Holiday Construction

This update provides information for the next two weeks of upcoming construction activities. If there are any significant changes to the current schedule, we will issue an update specific to those items next week. Our next construction update will be Friday, December 6.

Crews will suspend most construction work for the Thanksgiving weekend, from Thursday November 27 through Sunday December 1. However, crews will be doing site inspections, conducting regular maintenance activities and may be

Digital Metrics: SWLRT.ORG

- Jan: 14,432
- Feb: 27,013
- March: 35,310
- April: 37,933
- May: 60,445
- June: 39,518
- July: 38,110
- Aug: 40,468
- Sept: 35,554
- Oct: 26,708
- Nov: 23,781



SOUTHWEST LRT
Project Facts
Community Outreach Coordinators
Project Videos
Route and Stations
Construction
Public Involvement
Workforce and Training
Environmental
Project Partners
Committees

Contact Southwest LRT
Southwest LRT News
Project Funding

SOUTHWEST LIGHT RAIL TRANSIT

METRO Green Line Extension – Eden Prairie to Downtown Minneapolis

The METRO Green Line Extension (Southwest LRT or SWLRT) will operate on a route from downtown Minneapolis through the communities of St. Louis Park, Hopkins, Minnetonka, and Eden Prairie.

The line will include 16 new stations and will be part of an integrated system of transitways, including connections to the METRO Blue Line, the Northstar Commuter Rail line, and many bus routes. At Target Field Station in Minneapolis, Green Line Extension trains will continue along the METRO Green Line, providing one-seat rides to the University of Minnesota, State Capitol area, and downtown St. Paul. [Read more project facts.](#)

Southwest LRT Construction Update: November 22, 2019

Holiday Construction

This update provides information for the next two weeks of upcoming construction activities. If there are any significant changes to the current schedule, we will issue an update specific to those items next week. Our next construction update will be Friday, December 6.

Crews will suspend most construction work for the Thanksgiving weekend, from Thursday November 27 through Sunday December 1. However, crews will be doing site inspections, conducting regular maintenance activities and may be performing utility work in the Glenwood area.

On Thanksgiving Day, the Southwest Project Office will be closed. Staff will be on call over the holiday weekend to address urgent issues received through the hotline. All other questions will be addressed on Monday, December 2.

Highlights

- TH 62 westbound lanes will close tonight at 7:00 p.m., Friday, November 22 and reopen by 5:00 a.m. on Monday, November 25.
- Night work has resumed around the Golden Triangle Station and will continue through mid-December.

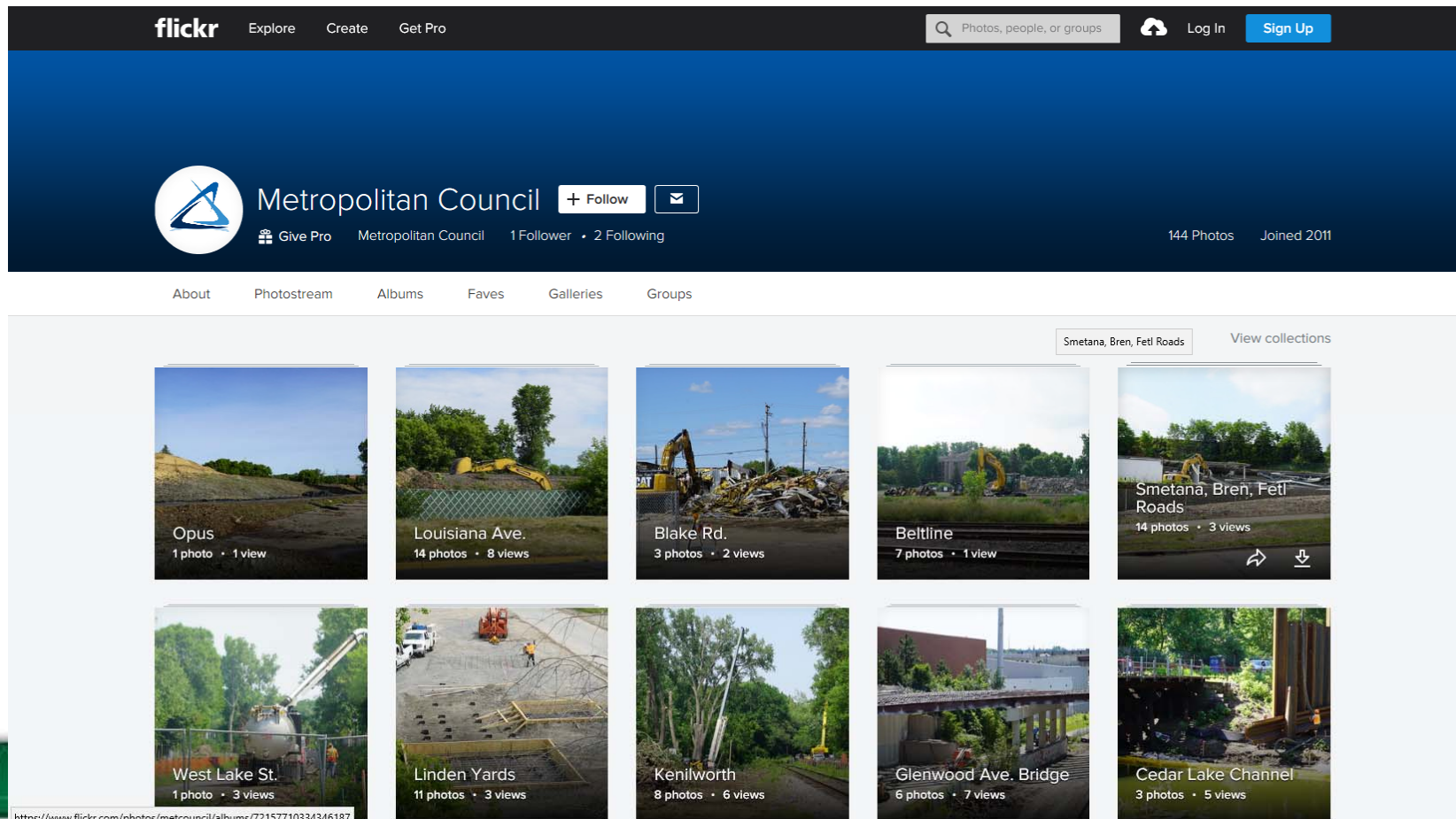
Subscribe to weekly construction updates
[Sign up for text or email alerts >](#)
 Subscribe on Twitter, @SouthwestLRT

Digital Metrics: Twitter

Month	# of Tweets	Followers	Retweets	Likes	Mentions
Jan	1	842	0	0	0
Feb	0	846	0	0	1
March	2	859	3	20	5
April	18	925	22	98	19
May	26	1.1K	88	196	29
June	9	1.2K	32	66	28
July	9	1.1K	31	64	28
Aug	8	1.2K	15	11	23
Sept	11	1.4K	27	77	15
Oct	3	1.4K	8	25	3
Nov	8	1.4K	14	36	11

Communications and Outreach

- Project Flickr account
 - Weekly uploads of project progress pictures
 - Link: [flickr.com/photos/metcouncil/albums](https://www.flickr.com/photos/metcouncil/albums)



The screenshot displays the Flickr profile for the Metropolitan Council. The profile header includes the Flickr logo, navigation links (Explore, Create, Get Pro), a search bar, and user options (Log In, Sign Up). The profile information shows the Metropolitan Council logo, a '+ Follow' button, and a mail icon. Below this, it lists 'Give Pro', 'Metropolitan Council', '1 Follower', and '2 Following'. The profile statistics show '144 Photos' and 'Joined 2011'. The main content area features a grid of photo albums, each with a thumbnail image, a title, and a count of photos and views. The albums are: Opus (1 photo, 1 view), Louisiana Ave. (14 photos, 8 views), Blake Rd. (3 photos, 2 views), Beltline (7 photos, 1 view), Smetana, Bren, Feti Roads (14 photos, 3 views), West Lake St. (1 photo, 3 views), Linden Yards (11 photos, 3 views), Kenilworth (8 photos, 6 views), Glenwood Ave. Bridge (6 photos, 7 views), and Cedar Lake Channel (3 photos, 5 views). A URL is visible at the bottom left: <https://www.flickr.com/photos/metcouncil/albums/72157710334346187>.

Construction 24-Hour Hotline

- May 15: Construction hotline active
- Number of calls: 425
- Themes
 - Trails
 - Detours
 - Work hours

Southwest Light Rail Transit Construction Hotline

612-373-3933

swlrt.org

Business Outreach

- Meeting with business owners to discuss access during construction
- Developing content for customers, employees, suppliers
- Special signage



Outreach Activities



Open Houses



Trail Pop-Ups



Walking Tours



Neighborhood Meetings

2020 Upcoming Outreach Activities

- Pop-up events
- Tours
- Neighborhood meetings
- Annual community events
- Project videos



DBE and Workforce Update

DBE Achievement: Project Totals*

Service	Contract Amount	\$ DBE Goal	Billing to Date	\$ DBE to Date	% DBE to Date
Professional Services* 18.38% Goal	\$170,126,013	\$31,276,935	\$154,916,206	\$29,487,577	19.03%
Construction 15.96% Goal	\$838,469,425	\$133,799,124	\$88,732,669	\$13,319,448	15.01%
	Contract Amount	\$ DBE Goal	Billing to Date	\$ DBE to Date	% DBE to Date
DBE Totals to Date (16.37% Goal)	\$1,008,595,438	\$165,076,059	\$243,648,875	\$42,807,026	17.57%

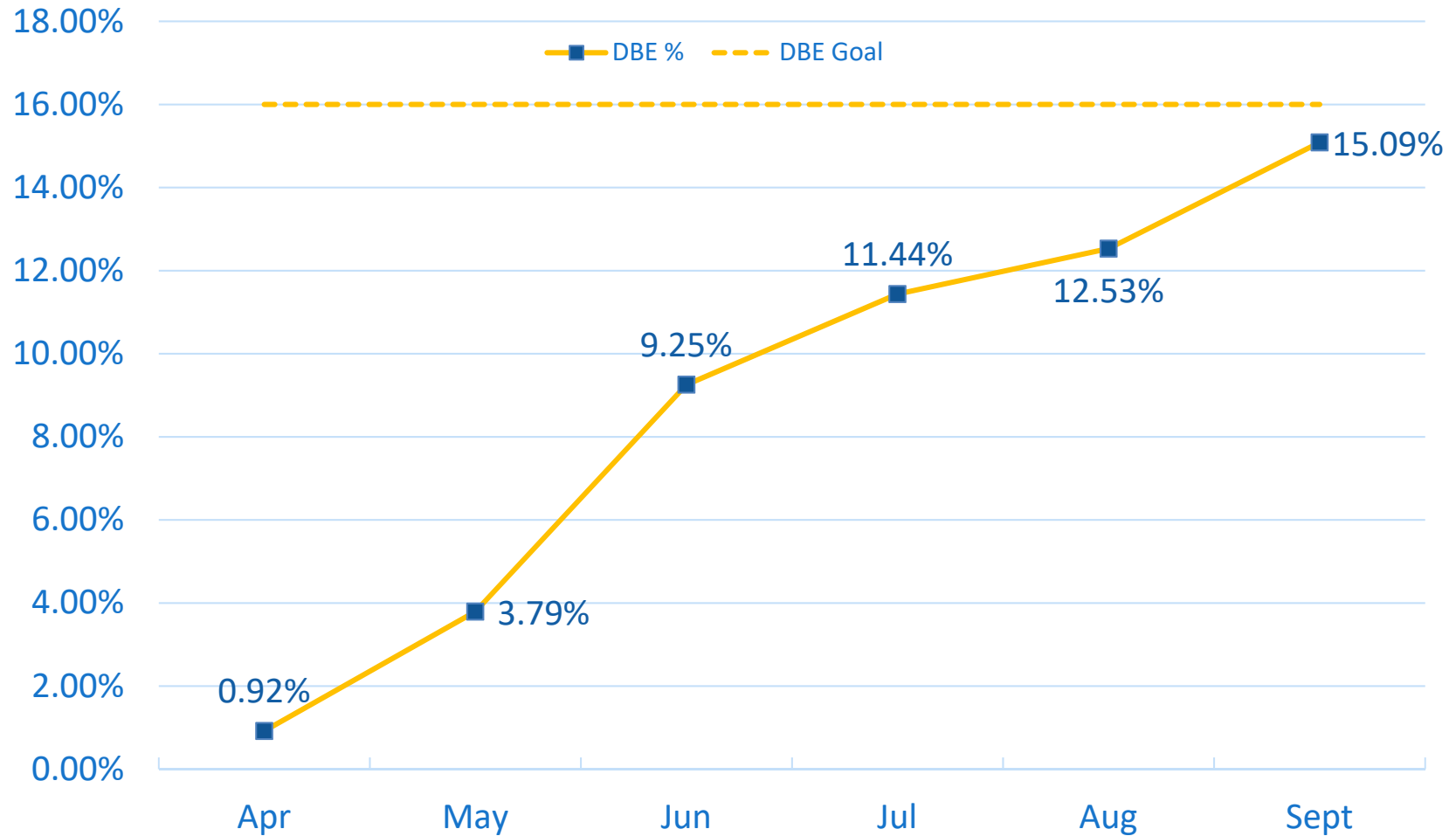
*Totals include active and closed out contracts with DBE requirements as of September 30, 2019

DBE Achievement: Construction*

Contractor	Contract Description	Contract Amount	\$ DBE Goal	Billing to Date	\$ DBE to Date	% DBE to Date	Date
LMJV 16% Goal	Civil	\$802,061,069	\$128,329,771	\$86,436,066	\$13,039,770	15.09%	9/15/19
Veit 17% Goal	OMF Demo	\$404,992	\$68,849	\$399,225	\$74,610	18.69%	7/31/19
Braun 15% Goal	QMS	\$36,003,364	\$5,400,505	\$1,897,378	\$205,069	10.81%	8/31/19
		Contract Amount	\$ DBE Goal	Billing to Date	\$ DBE to Date	% DBE to Date	
DBE Totals to Date (15.96% Goal)		\$838,469,425	\$133,799,124	\$88,732,669	\$13,319,448	15.01%	

*Totals include active contracts with DBE requirements as of September 30, 2019

Civil DBE Payments as of Sept. 30, 2019

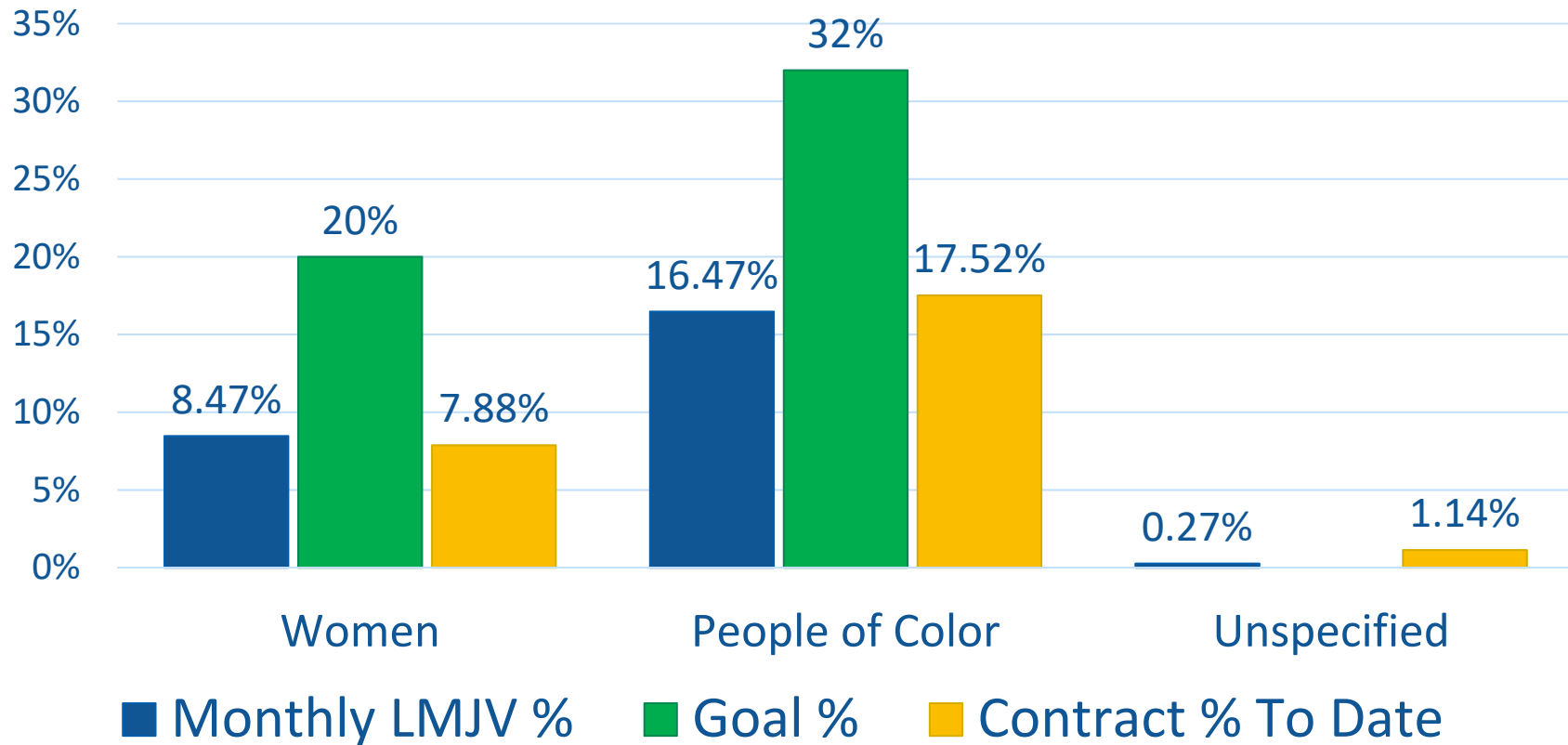


DBE Activities: LMJV

- Mentoring of DBE's
- LMJV to hold first SWLRT Small Business Workshop Dec 12
- LMJV actively pursuing DBE participation in change orders
- Mentoring assistance to DBE's on cash flow provided by LMJV Senior Leadership

Workforce Participation Percentage*

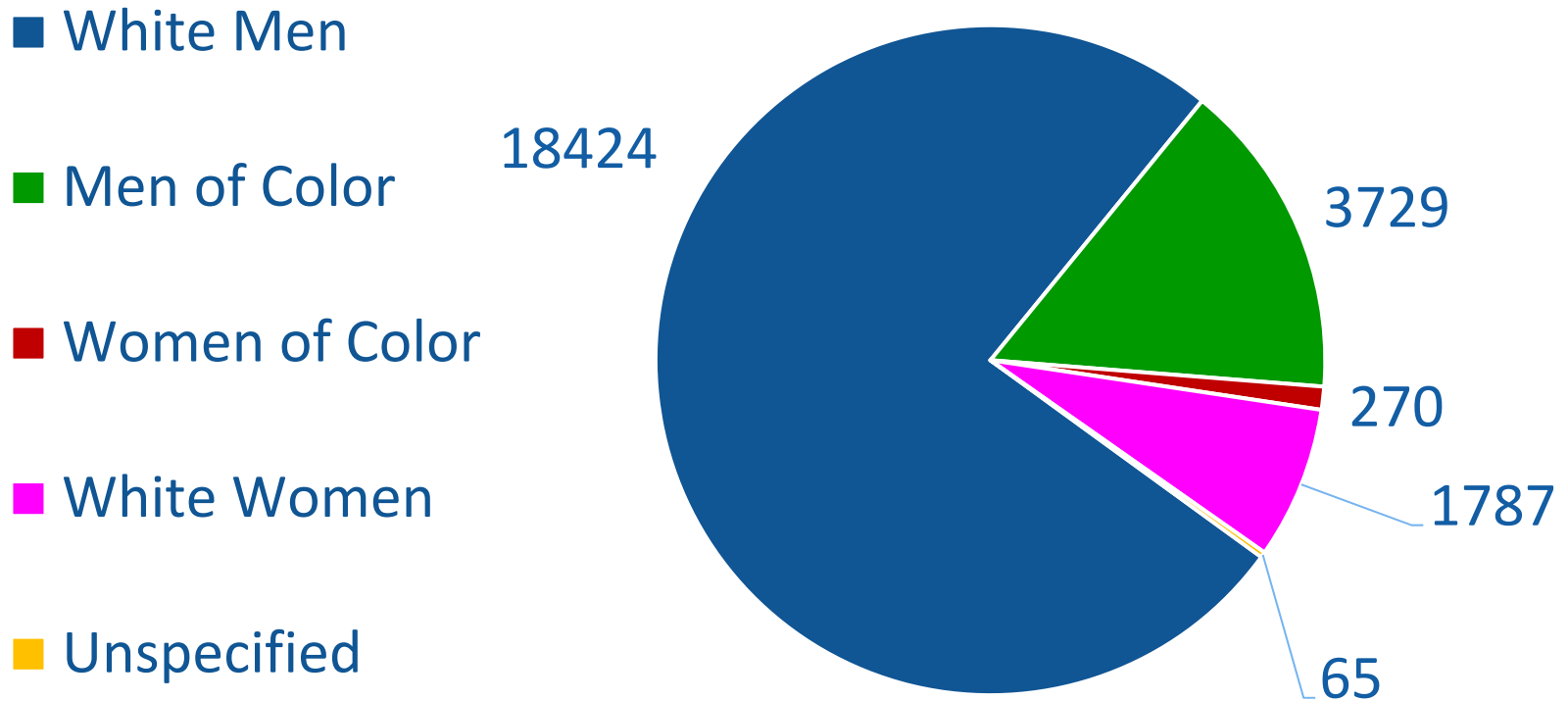
- September 2019: 24,275 hrs
- Civil Construction Total: 58,238 hrs



*Based on MDHR Workforce Report for September 2019

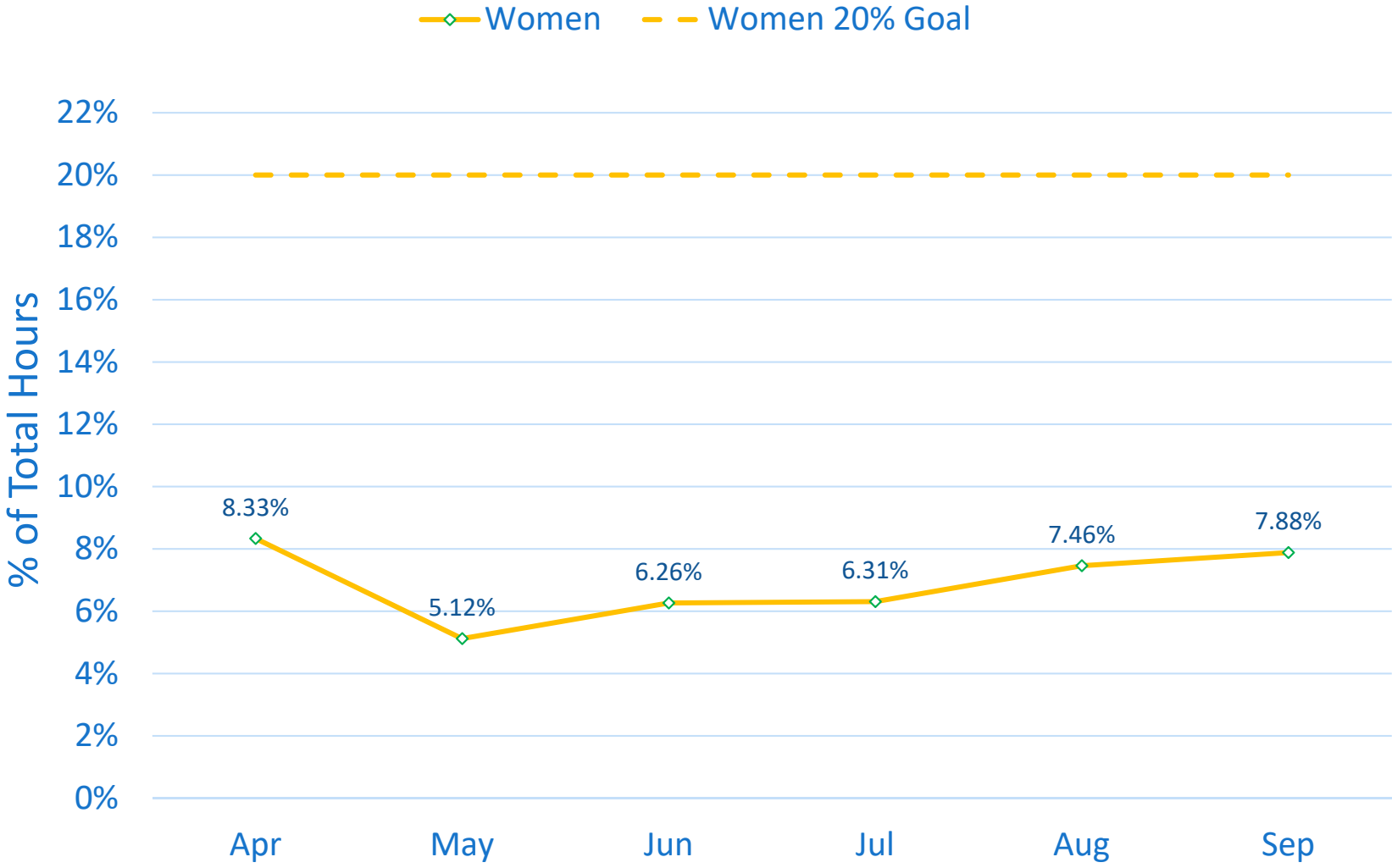
Workforce Participation*

- September 2019: 24,275 hrs
- Hours worked by category:



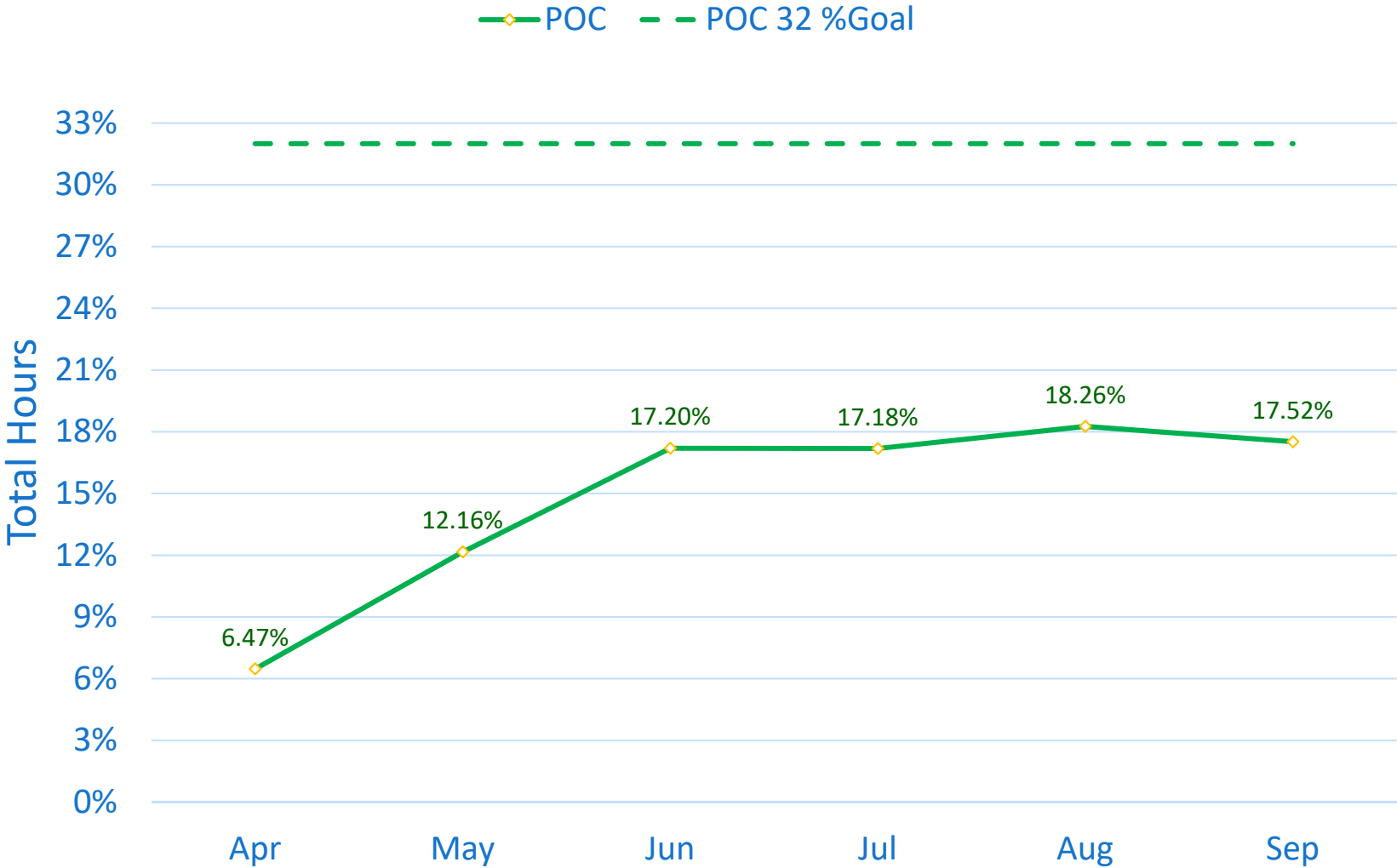
*Based on MDHR Workforce Report for September 2019

Workforce Participation Women Cumulative*



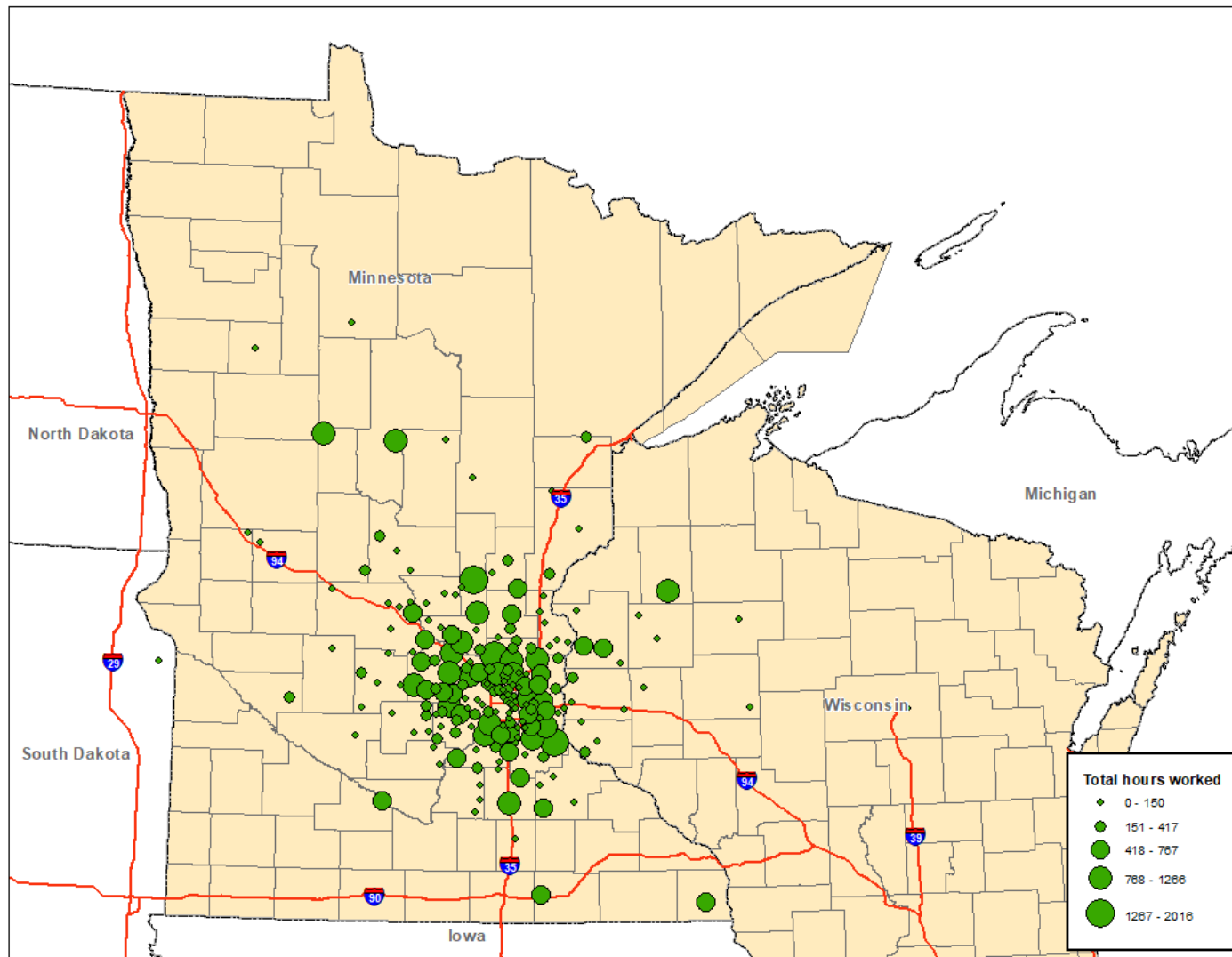
*Based on MDHR Workforce Report for September 2019

Workforce Participation POC Cumulative*

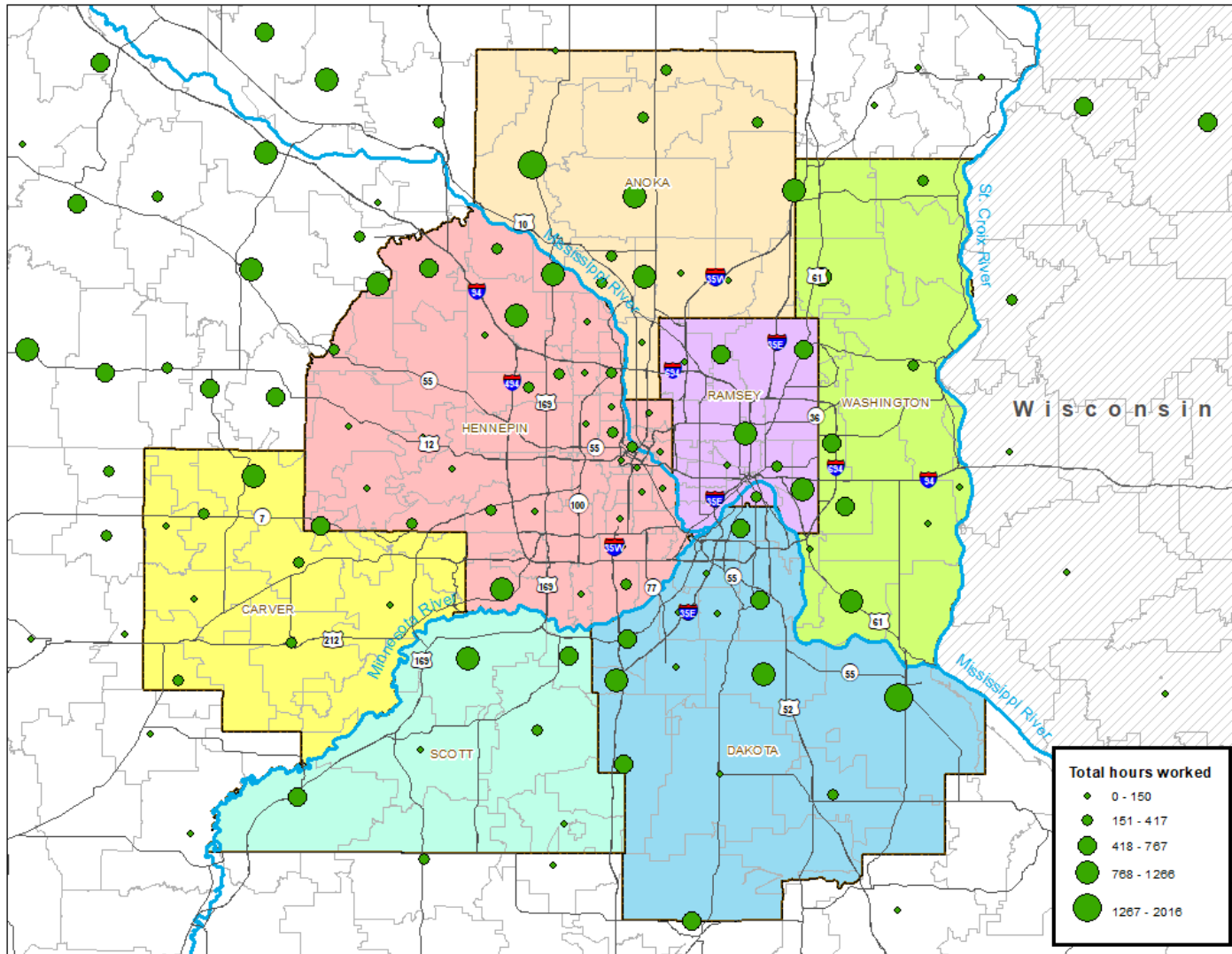


*Based on MDHR Workforce Report for September 2019

Civil Workforce Zip Code Report



Civil Workforce Zip Code Report



LMJV: Women & POC Hiring

- Partnering with unions
- Partnering with Community Based Organizations
- Partnering with government entities
- Participate in the following activities:
 - Career fairs
 - Mock interviews
 - Guest speaker at graduations
 - Conduct project tours for students participating in pre-apprentice programs

LMJV: Women & POC Hiring

- Assign Mentors
- Annual EEO/AA onsite training
- Conduct random EEO site visits at least once a year
 - Random onsite employee interviews
 - Voluntary surveys

LMJV: Women and POC Hiring

- Hire and retain non-trade women and POC key personnel
 - Safety Manager
 - Human Resources Generalist
 - EEO Officer

DBE & Workforce Advisory Committee

- Advises the Metropolitan Council on issues related to DBE and workforce participation during the construction of SWLRT
- Held 5 meetings in 2019 covering:
 - DBE & Workforce achievement
 - Workforce development
 - Pay cycles
 - Retainage
 - Change orders
 - Workforce overview
 - Apprenticeships



Stay Updated!

Online:

SWLRT.org

Twitter:

@SouthwestLRT

Flickr:

[flickr.com/photos/metcouncil/albums](https://www.flickr.com/photos/metcouncil/albums)

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@southwest_lrt

