SWLRT
Business Advisory Committee

December 11, 2019
Today’s Topics

- Welcome
- Approval of Minutes
- Chairs’ Update
- Project Update
- SWLRT Construction
  - 2019 Progress
  - 2020 Look Ahead
- Communications & Outreach
- DBE and Workforce Update
## Overall Project Schedule

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<td><strong>Project Development</strong></td>
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<td>LONP #1</td>
<td>LONP #2</td>
<td>FFGA</td>
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<td><strong>LRV Design, Production &amp; Testing</strong></td>
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<td><strong>Integration Testing</strong></td>
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<td><strong>Revenue Operations</strong></td>
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**Notes:**
- Green cells indicate the project phase is currently ongoing.
- White cells indicate the project phase has been completed.
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

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

  - Subcontinent Asian Indian (1 contract) $1,062,000.00 4%
  - Black (3 contracts) $3,785,000.00 14%
  - White Female (3 contracts) $21,526,000.00 82%
Communications & Outreach Update
Construction Communications

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

• Follow us on
  - Twitter: @SouthwestLRT
  - Facebook: @MetropolitanCouncil
  - Instagram: @southwest_lrt
  - Flickr: flickr.com/photos/metcouncil/albums

• Learn more about the project: swlrtlrt.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 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
### Digital Metrics: Twitter

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<thead>
<tr>
<th>Month</th>
<th># of Tweets</th>
<th>Followers</th>
<th>Retweets</th>
<th>Likes</th>
<th>Mentions</th>
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<td>842</td>
<td>0</td>
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<td>Feb</td>
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<td>846</td>
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<tr>
<td>March</td>
<td>2</td>
<td>859</td>
<td>3</td>
<td>20</td>
<td>5</td>
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<td>32</td>
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<td>1.1K</td>
<td>31</td>
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<td>1.2K</td>
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<td>1.4K</td>
<td>8</td>
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<td>3</td>
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<td>1.4K</td>
<td>14</td>
<td>36</td>
<td>11</td>
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Communications and Outreach

- Project Flickr account
  - Weekly uploads of project progress pictures
  - Link: flickr.com/photos/metcouncil/albums
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

- Walking Tours
- Trail Pop-Ups
- Open Houses
- 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*

<table>
<thead>
<tr>
<th>Service</th>
<th>Contract Amount</th>
<th>$ DBE Goal</th>
<th>Billing to Date</th>
<th>$ DBE to Date</th>
<th>% DBE to Date</th>
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<tbody>
<tr>
<td>Professional Services*</td>
<td>$170,126,013</td>
<td>$31,276,935</td>
<td>$154,916,206</td>
<td>$29,487,577</td>
<td>19.03%</td>
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<tr>
<td>18.38% Goal</td>
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<tr>
<td>Construction</td>
<td>$838,469,425</td>
<td>$133,799,124</td>
<td>$88,732,669</td>
<td>$13,319,448</td>
<td>15.01%</td>
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<tr>
<td>15.96% Goal</td>
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<table>
<thead>
<tr>
<th>Service</th>
<th>Contract Amount</th>
<th>$ DBE Goal</th>
<th>Billing to Date</th>
<th>$ DBE to Date</th>
<th>% DBE to Date</th>
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<td>DBE Totals to Date</td>
<td>$1,008,595,438</td>
<td>$165,076,059</td>
<td>$243,648,875</td>
<td>$42,807,026</td>
<td>17.57%</td>
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<td>(16.37% Goal)</td>
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*Totals include active and closed out contracts with DBE requirements as of September 30, 2019*
### DBE Achievement: Construction*

<table>
<thead>
<tr>
<th>Contractor</th>
<th>Contract Description</th>
<th>Contract Amount</th>
<th>$ DBE Goal</th>
<th>Billing to Date</th>
<th>$ DBE to Date</th>
<th>% DBE to Date</th>
<th>Date</th>
</tr>
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<td>LMJV 16% Goal</td>
<td>Civil</td>
<td>$802,061,069</td>
<td>$128,329,771</td>
<td>$86,436,066</td>
<td>$13,039,770</td>
<td>15.09%</td>
<td>9/15/19</td>
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<td>Veit 17% Goal</td>
<td>OMF Demo</td>
<td>$404,992</td>
<td>$68,849</td>
<td>$399,225</td>
<td>$74,610</td>
<td>18.69%</td>
<td>7/31/19</td>
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<td>Braun 15% Goal</td>
<td>QMS</td>
<td>$36,003,364</td>
<td>$5,400,505</td>
<td>$1,897,378</td>
<td>$205,069</td>
<td>10.81%</td>
<td>8/31/19</td>
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<thead>
<tr>
<th>DBE Totals to Date (15.96% Goal)</th>
<th>Contract Amount</th>
<th>$ DBE Goal</th>
<th>Billing to Date</th>
<th>$ DBE to Date</th>
<th>% DBE to Date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$838,469,425</td>
<td>$133,799,124</td>
<td>$88,732,669</td>
<td>$13,319,448</td>
<td>15.01%</td>
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*Totals include active contracts with DBE requirements as of September 30, 2019*
Civil DBE Payments as of Sept. 30, 2019

<table>
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<th>Month</th>
<th>DBE %</th>
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<tr>
<td>Apr</td>
<td>0.92%</td>
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<td>May</td>
<td>3.79%</td>
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<td>Jun</td>
<td>9.25%</td>
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<td>Jul</td>
<td>11.44%</td>
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<td>Aug</td>
<td>12.53%</td>
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<td>Sept</td>
<td>15.09%</td>
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DBE Goal: 16.00%
Civil DBE Participation by Ethnicity*

*Based on DBE contract values as of December 3, 2019

- **Asian Pacific**: $37,780,743 (21.52%)
- **Asian Subcontinent Indian**: $838,001 (0.48%)
- **Black**: $7,284,824 (4.15%)
- **Hispanic**: $27,841,050 (15.86%)
- **Native American**: $14,983,773 (8.53%)
- **Non-Minority**: $86,835,749 (49.46%)
DBE Participation by Gender*

Female
$87,113,492
49.62%

Male
$88,450,647
50.38%

*Based on DBE contract values as of December 3, 2019
DBE Participation by State*

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<th>State</th>
<th>Contract Values</th>
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<td>MN</td>
<td>$149,841,142</td>
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<td>FL</td>
<td>$20,548,950</td>
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<td>$2,894,218</td>
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<td>IL</td>
<td>$479,004</td>
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<td>MD</td>
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<td>SD</td>
<td>$795,000</td>
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<tr>
<td>WI</td>
<td>$659,526</td>
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*Based on DBE contract values as of December 3, 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:

- White Men: 18,424 hrs
- Men of Color: 3,729 hrs
- Women of Color: 270 hrs
- White Women: 1,787 hrs
- Unspecified: 65 hrs

*Based on MDHR Workforce Report for September 2019
Workforce Participation Women Cumulative*

*Based on MDHR Workforce Report for September 2019

![Chart showing workforce participation rate for women. The chart displays the percentage of total hours worked by women from April to September 2019.]
Workforce Participation POC Cumulative*

*Based on MDHR Workforce Report for September 2019
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

Facebook: @MetropolitanCouncil

Instagram: @southwest_lrt