Business Advisory Committee

September 28, 2016
Today’s Topics

• Project Readiness
  ▪ Milestones Achieved
  ▪ Look Ahead
  ▪ Critical Agreements

• Construction Contracts Overview

• Right-of-Way Acquisition Overview

• Construction Outreach and Communications
Project Readiness
Project Readiness: Local Funds Committed
September 2016

$1.858 Billion Total Project Estimate

$928.8 Million Local Funds Committed

COP – Certificates of Participation

- FTA $928.8M
- CTIB $516.5M
- HCRRA $185.8M
- MetCouncil COPs $91.5M
- In-Kind Land $69.0M
- Henn. Co and Cities $23.7M
- State $30.3M
- CTIB Share of COP $11.75M

$928.8 Million Local Funds Committed

COP – Certificates of Participation
Project Readiness: Milestones Completed

• Environmental reviews complete
  ▪ Final Environmental Impact Statement: May 2016
  ▪ Record of Decision: July 2016
  ▪ FEIS Determination of Adequacy: Aug 2016

• Funding commitments for 100% ($928.8M) of the local share complete Aug 2016

• Application for Entry into Engineering for FTA New Starts Program Aug 2016

• 90% design plans complete

• 90% cost estimate complete
Milestones Look Ahead

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Rev. 10.0</th>
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<tbody>
<tr>
<td></td>
<td>Submitted 8/19/16</td>
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<tr>
<td>FTA Approves Entry into Engineering</td>
<td>Nov 2016</td>
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<tr>
<td>Complete 100% Design Package for Civil</td>
<td>Dec 2016</td>
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<tr>
<td>Submit FFGA Application</td>
<td>Early 2017</td>
</tr>
<tr>
<td>Complete 100% Design Package for Systems</td>
<td>March 2017</td>
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<tr>
<td>Complete 100% Design Package for OMF</td>
<td>May 2017</td>
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<tr>
<td>FTA Approves FFGA</td>
<td>July 2017</td>
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<tr>
<td>Heavy Construction</td>
<td>2017-2020</td>
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<tr>
<td>Revenue Service</td>
<td>2021</td>
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Construction Contracts Overview
# 5 Main Contracts

<table>
<thead>
<tr>
<th>Contract</th>
<th>Procurement Method</th>
<th>Timing</th>
<th>DBE Goal</th>
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<tbody>
<tr>
<td>Civil</td>
<td>Design/Bid/Build</td>
<td>Q1 2017</td>
<td>16%</td>
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<tr>
<td>Systems</td>
<td>Design/Bid/Build</td>
<td>Q2 2017</td>
<td>TBD</td>
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<tr>
<td>Operations &amp; Maintenance Facility</td>
<td>Design/Bid/Build</td>
<td>Q2 2017</td>
<td>TBD</td>
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<tr>
<td>Fare Collection</td>
<td>Request for Proposals</td>
<td>Q4 2017</td>
<td>TBD</td>
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<tr>
<td>Light Rail Vehicles</td>
<td>Request for Proposals</td>
<td>In Process</td>
<td>n/a</td>
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Civil Contract Scope

• 15 Stations
  ▪ Vertical circulation
    o West Lake St.
    o Bryn Mawr
    o Bassett Creek Valley
Civil Contract Scope

- Park-and-rides
  - 7 Surface lots with a total of 1,747 spaces
  - 1 Ramp at SouthWest Station with 2 elevators

SouthWest Station

City West Station
Civil Contract Scope

- 44 structures
  - 29 new bridges: LRT, pedestrian, roadway, freight
  - 7 existing bridges with modifications
  - 6 pedestrian tunnels
  - 2 cut and cover tunnels
    - TH62 582 ft
    - Kenilworth 2,236 ft
- 110 retaining walls
- 14.5 miles of double track for LRT
Civil Contract Scope

- Demolition of 14 existing buildings
- Soil improvements
- Roadways and trails
- Systemwide cable trough/ductbank/foundations
- Utilities and drainage
- Urban design and landscaping
- Freight: BNSF, TCWR, CP
Valley View and Nine Mile Creek Bridges
Valley View Bridge

Nine Mile Creek Bridge
Tunnel Under TH 62
Minnetonka-Hopkins Bridge
Minnetonka-Hopkins Bridge
Excelsior Blvd Bridge
Excelsior Blvd Bridge
Beltline Boulevard Station
Beltline Boulevard Station

- 268 space surface park-and-ride lot
Kenilworth Corridor: North Portal
Bryn Mawr Station
Bryn Mawr Station

• One elevator and pedestrian bridge from station platform to passenger drop off area at Penn Ave
Systems Contract Scope

- Systems site work
- Traction power substations (TPSS)
  - 19 TPSS on main line
  - 2 at the OMF
- 3 Tunnel systems houses
  - 2 for Kenilworth tunnel
  - 1 for TH 62 tunnel
- Overhead contact system
- LRT and freight signaling systems
- Tunnel facilities systems
  - Tunnel power
  - Ventilation

- Communications systems
  - Supervisory Control and Data Acquisition (SCADA)
  - Rail Control Center (RCC)
  - Radio
  - Public Announcement/Variable Message Signs
  - Intrusion detection
  - Close Circuit TV (CCTV)
  - Emergency call boxes
  - Telephones
  - Building Management Systems

- SWLRT systems integration
Signaling Systems: Active Warning Device
Security Features

Emergency phone

Security camera
OMF Contract Scope

• Demolition of 6 existing buildings
• Soil improvements
• Yard track
• OMF building: 2 story, 162,356 sf
• Access roads
• Systemwide electrical cable trough/ductbank/foundations
• Utilities and drainage
• Urban design and landscaping
OMF Contract Scope
Operations and Maintenance Facility
Operations and Maintenance Facility Layout

- **Storage** – 5 Bays, 30 LRVs
- **Maintenance**
- **Wash/Sanding Bay**
Operations and Maintenance Facility
Light Rail Vehicles Contract

• Light Rail Vehicle Scope:
  ▪ Type III LRVs
    o Base order: 27
    o Options: Up to 50 total
  ▪ Evaluation: In progress with single proposer
  ▪ Limited Notice to Proceed: Q4 2016
Fare Collection Contract

• Fare Collection Scope:
  ▪ Ticket Vending Machines (TVM): 43
  ▪ Smart Card Validators: 66
  ▪ Conduit provided for 30 future TVMs in Civil contract
Right-of-Way Acquisition Process Overview
Property Rights Needed to Begin Critical Activities in Following Areas

• Glenwood Ave Bridge over BNSF
• Kenilworth Tunnel
• Freight rail realignment in Bass Lake Spur & Kenilworth Corridor
• Louisiana Ave Bridge segments
• Excelsior Blvd Bridge
• Operations and Maintenance Facility
• SouthWest Station area
Right-of-Way Acquisition Process

Offer Accepted
- Appraisal approved
- Closing and recording
- Payment made
- Title and possession

Negotiated Settlement
- Appraisal approved
- Settlement approval
- Closing and recording
- Payment made
- Title and possession

Condemnation
- Appraisal approved
- Condemnation filing
- Payment made
- Title and possession
- Complete condemnation process
Construction Outreach and Communications
Construction Professionals Career Fair

- Date: Tuesday, Oct 18
- Time: 3:00 – 6:00 PM
- Location: SWLRT Project Office, St Louis Park
- Agenda:
  - 3:00 – 3:30: Open House
  - 3:30 – 4:00: Project Staff Presentation
  - 4:00 – 5:00: Open House
  - 5:00 – 5:30: Project Staff Presentation
  - 5:30 – 6:00: Open House
- Other outlets: transportation industry, social media, website, project newsletter, feature articles in local papers
Construction Outreach/Communication Plan

- Includes lessons learned/feedback from Blue and Green Lines
- Incorporates best practices from national, large-scale public works projects
- Developed in conjunction with SWLRT advisory committees
- Ensures clear, consistent project information throughout construction
- Describes methods/techniques to inform the public
- Includes metrics/evaluation
Construction Outreach/Communications

- Best practices:
  - Community construction communication committee
  - Outreach coordinators
  - 24-hour construction hotline
  - Property/business owners meetings
  - Public meetings
  - Construction tours
  - Neighborhood updates
  - Social media/website/media
  - Weekly construction updates
  - Signage
Member and Committee Reports
More Information

Online:
www.SWLRT.org

Email:
SWLRT@metrotransit.org

Twitter:
www.twitter.com/southwestlrt