

Business Advisory Committee

November 3, 2015

BROOKLYN PARK | CRYSTAL | ROBBINSDALE | GOLDEN VALLEY | MINNEAPOLIS

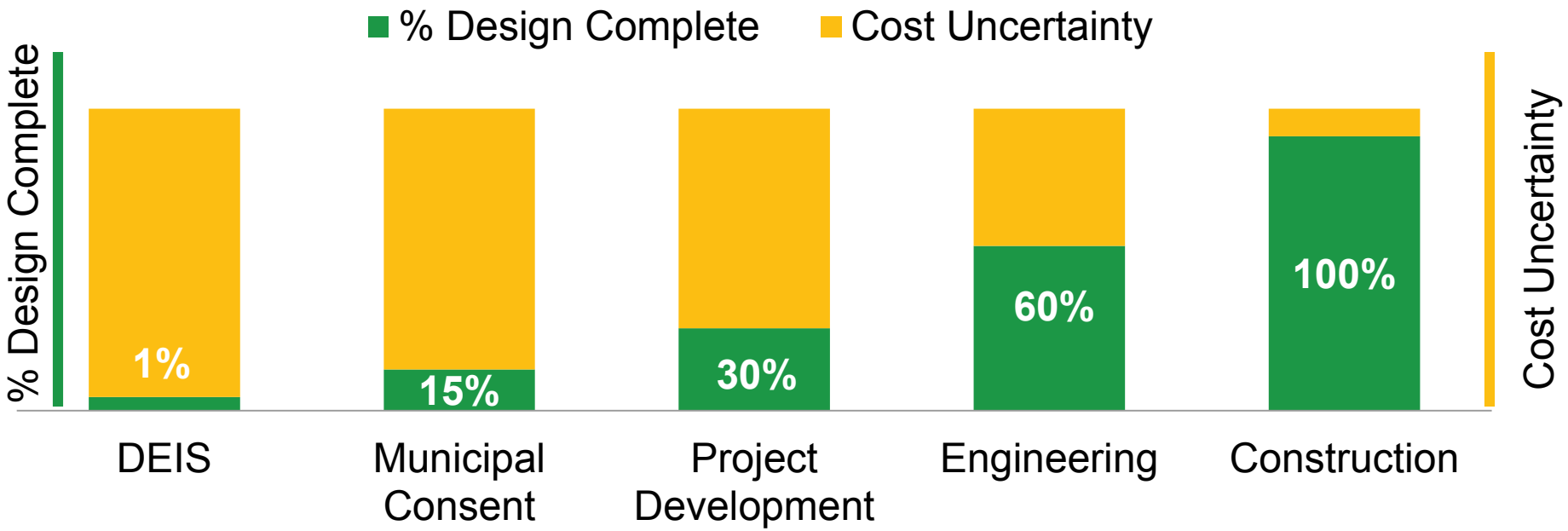
Today's Topics

- DEIS Cost Estimate Assumptions
- Revised Cost Estimate
- Revised Project Scope
- Cost Estimate Overview
- Position Statement Discussion
- Municipal Approval
- Hennepin County Community Works Update
- Member and Committee Reports/Public Forum

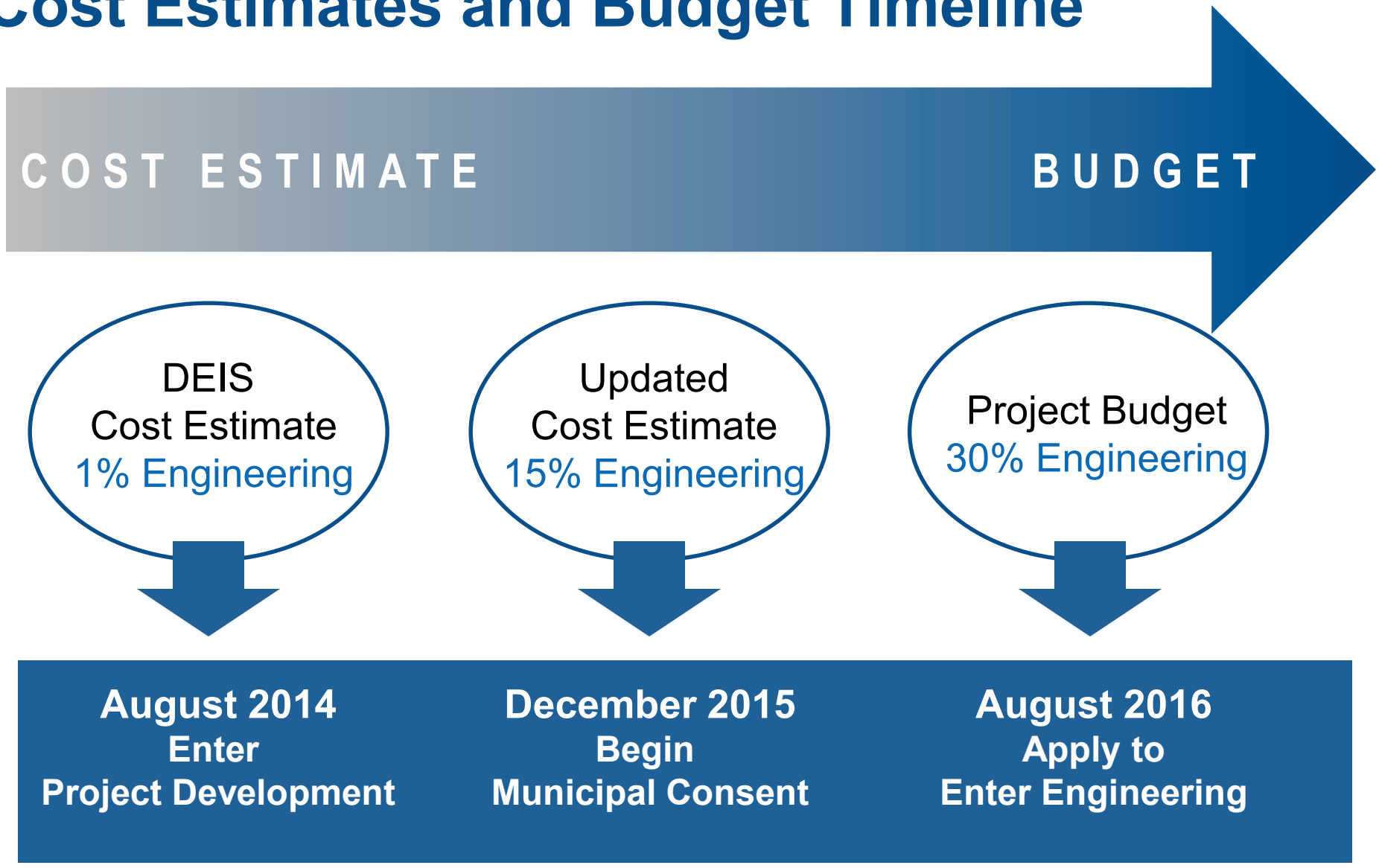


METRO BLUE LINE EXTENSION
Bottineau LRT

Cost Uncertainty By Project Phase



Cost Estimates and Budget Timeline



DEIS Cost Estimate Assumptions

DEIS Cost Estimate (1% Eng.)	$1.002 B
Total Project Contingency	34%
Escalation Factor	3%
Base Year Estimate	2012
Forecast Year	2017 (mid-point of construction)

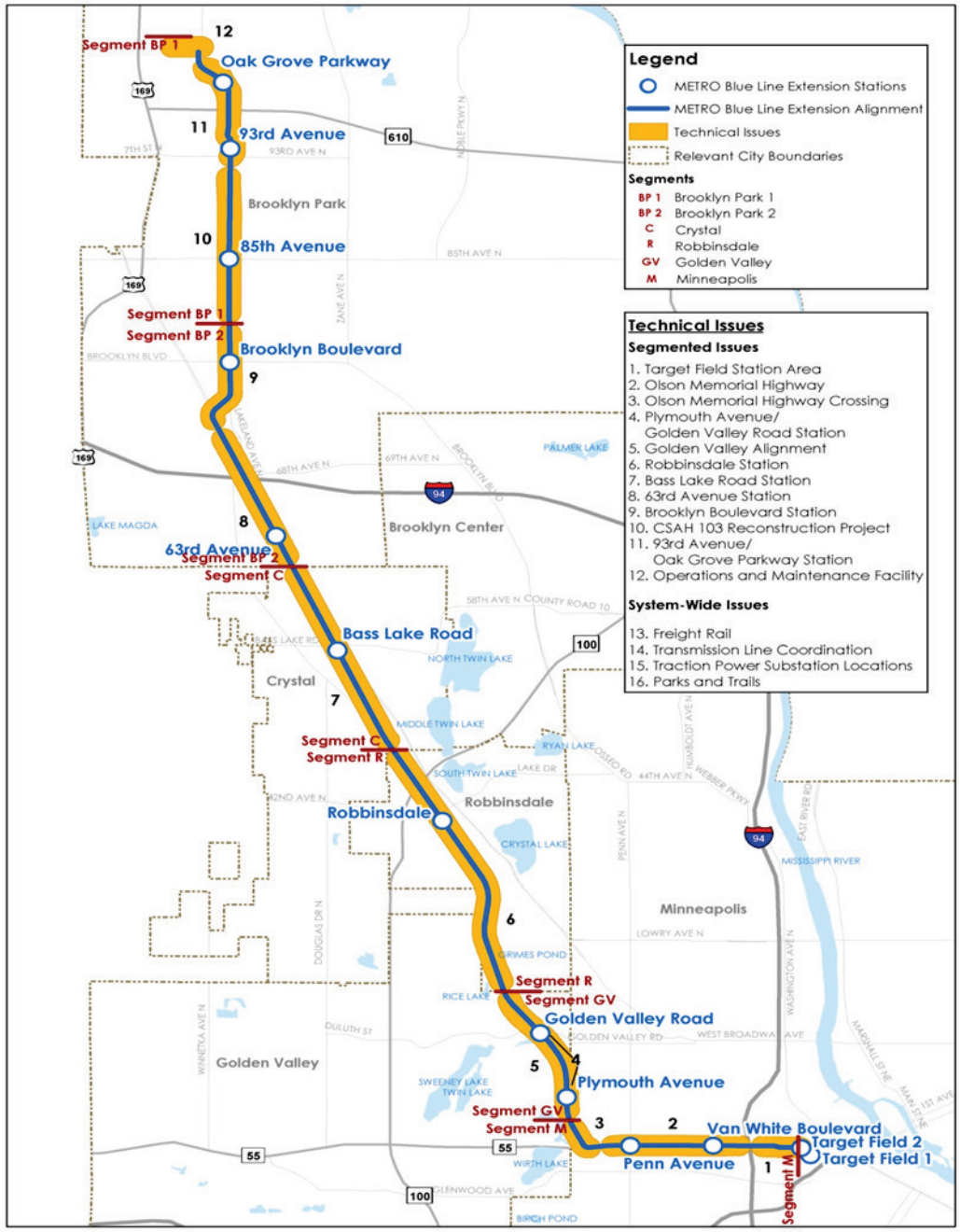
Revised Cost Estimate

Cost Estimate (15% Eng.)	$1.488 B
Total Project Contingency	30%
Escalation Factor	3%
Base Year Estimate	2015
Forecast Year	$YOE (2018, 2019 and 2020)

Revised Project Scope

Project Scope Refinement During Project Development

- Resolves issues identified by Technical Advisory Group during DEIS
- Reflects input and coordination:
  - DEIS: 1,231+ public comments
  - City/County/Agency: 105+ Issue Resolution Team meetings
  - Advisory Committees: TPAC, BAC, CAC, CMC
  - Public: 14 public open houses (1,600+ attendees; 530+ public comments) and 112+ community meetings
- Establishes scope for Municipal Consent Plans and Final Environmental Impact Statement
- Provides context for continued discussions with stakeholders



METRO Blue Line LRT Extension Technical Issues

Rev. 4
May 2015

Kimley»Horn

Project Scope

- Target Field Station connection
- 7th St at-grade traffic signal crossing
- I-94 bridge rehabilitation to accommodate LRT
- **Olson Memorial Highway reconstruction ***
- Van White Station
- Penn Ave Station
- Westbound OMH (TH 55) bridge reconstruction
- **Plymouth Ave Station and vertical circulation ***
- Golden Valley Rd Station and vertical circulation

* New scope requirement, not in DEIS cost estimate

Project Scope

- **Grimes Pond and Golden Valley Pond LRT structures ***
- **Roadway bridge reconstruction ***
  - Plymouth Ave
  - Theodore Wirth Pkwy
  - Golden Valley Rd
  - 36th Ave
- Robbinsdale Station and park and ride structure
- LRT bridge construction over TH 100
- LRT bridge construction over CP Rail
- Bass Lk Rd Station and **surface park and ride facility ***

* New scope requirement, not in DEIS cost estimate

Project Scope

- 63rd Ave Station and **pedestrian overpass (over freight to platform) ***
- **LRT bridge construction over CR 81 at 73rd Ave ***
- West Broadway reconstruction from 74th Ave to Candlewood
- Brooklyn Blvd Station
- 85th Ave Station
- 93rd Ave Station
- **Roadway network north of TH 610 ***
- Oak Grove Pkwy Station and park and ride structure
- Operations and Maintenance Facility

* New scope requirement, not in DEIS cost estimate

Project Scope: Corridor Wide

- 28 light rail vehicles **(2 more than DEIS) ***
- 13.5 miles of ballasted double LRT tracks
- 8 miles of ballasted single freight track
- **Freight rail corridor protection treatments ***
- System elements
  - Traction Power Substations
  - Rail Signal System
  - 10 at-grade shared (freight/LRT) crossings
- Right of Way acquisition
- Poor soils mitigation

* New scope requirement, not in DEIS cost estimate

Scope Project Recommendation Summary: Reductions

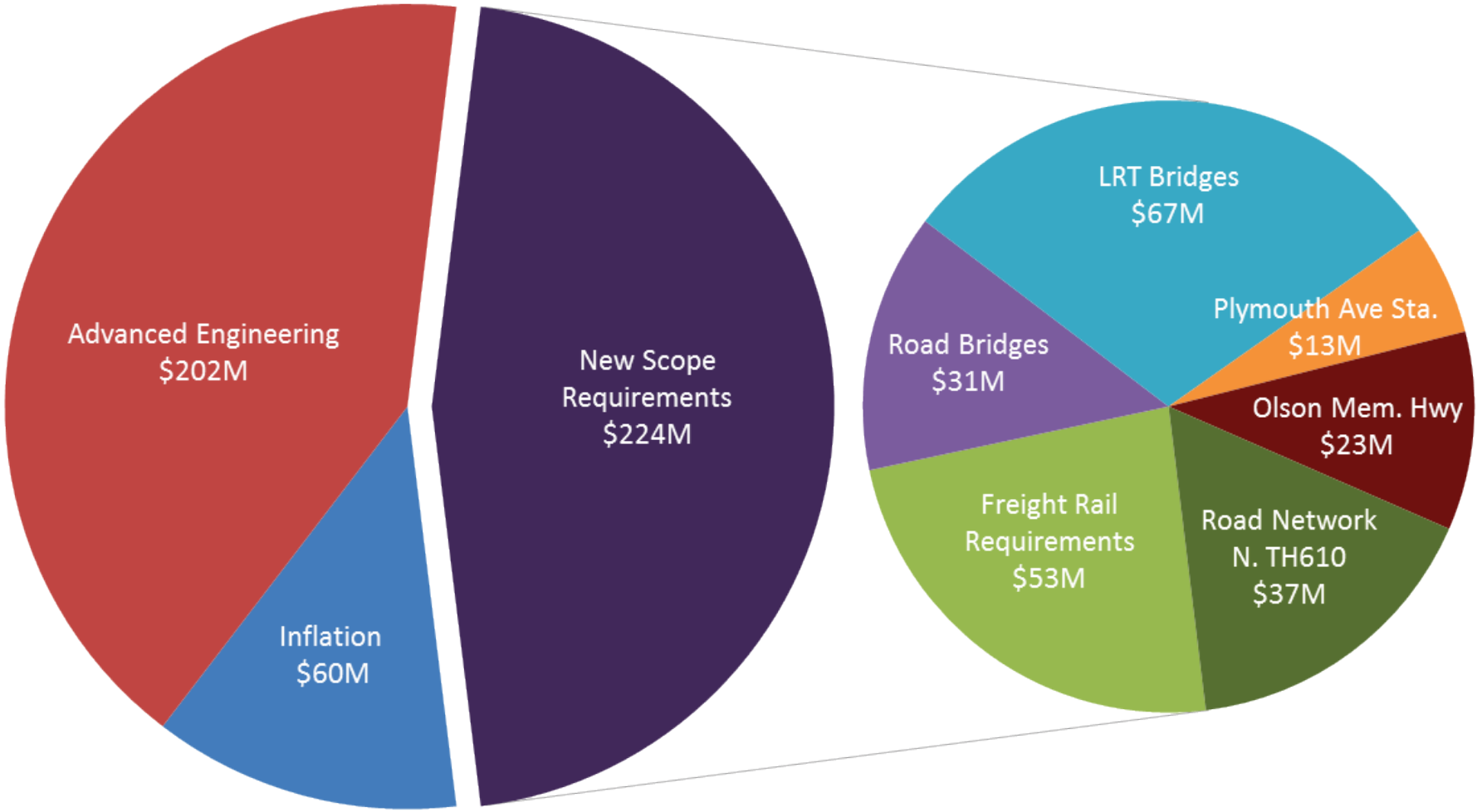
- Modified split platform stations to center platforms
- Reduced size of OMF building and site footprint
- Minimized need for floodplain mitigation by building bridge structures over ponds
- Eliminated need for adding floors to existing 63rd park and ride ramp

Cost Estimate Overview

Overall Cost Estimate Methodology

- Cost Estimates
  - Total Project costs include capital improvements, ROW acquisition, vehicles, engineering and environmental consultants, contingency, and finance costs
  - Base year costs: 2015
  - Costs are escalated to Year of Expenditure ($YOE)

Project Cost Drivers



Cost Effectiveness Index (CEI)

- CEI measures cost effectiveness of a federal New Starts project based on estimated ridership, capital and operating costs
- CEI is one of six project justification criteria FTA uses to evaluate projects
- CEI anticipated to improve from **Medium-Low** to **Medium** under new federal rules

Position Statement Discussion

Next Steps

Project Scope and Cost Rollout: Next Steps

- Seek recommendation/resolution on project scope and cost estimate
  - CMC: Nov 12

- Request approval on scope and cost estimate
  - Transportation Committee: Nov 23
  - Metropolitan Council: Dec 9

A Look Ahead: Design & Engineering

- Dec 2015: Submit Municipal Consent Plans for City and County Review
- Mar 2016: Complete Municipal Consent Approval Process
- Aug 2016: Finalize 30% Design Plans and Specs
- Aug 2016: Apply to Enter Engineering

Municipal Approval

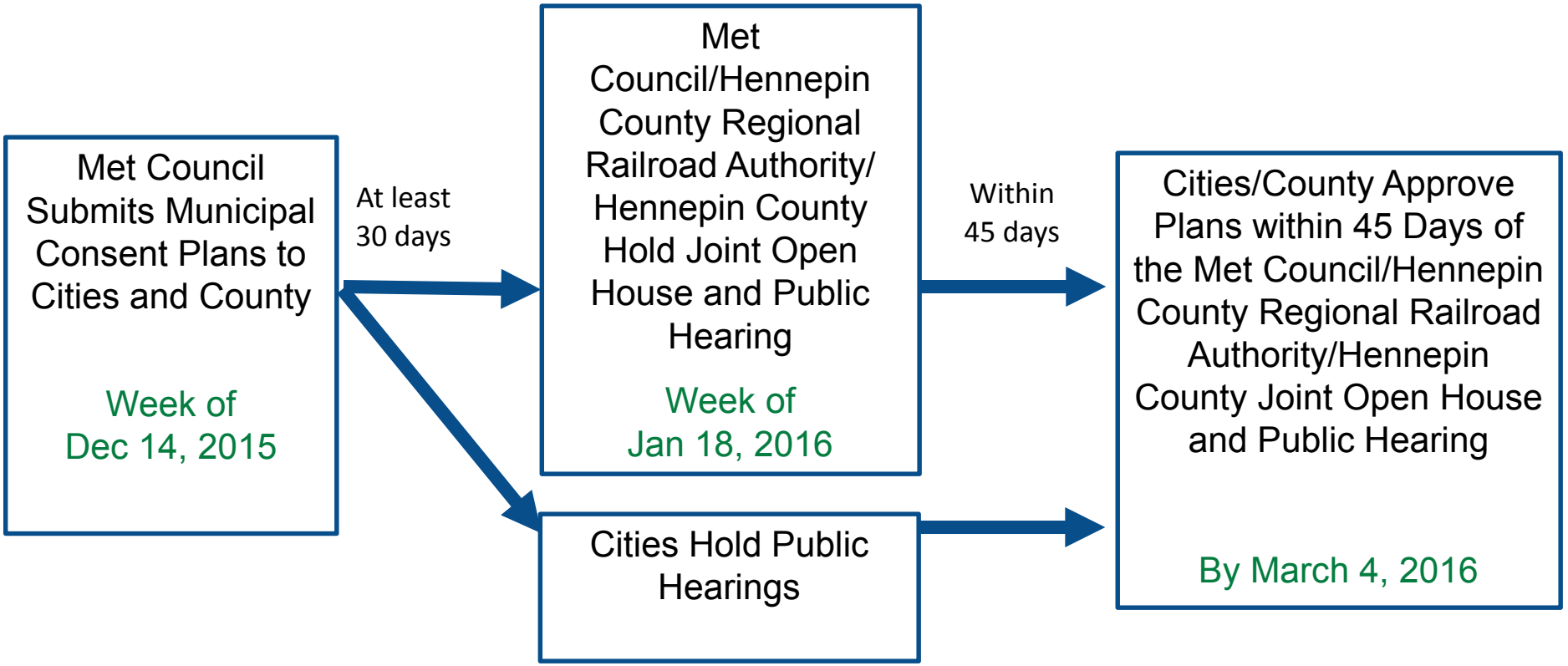
Municipal Approval Process

- Minnesota Statute 473.3994
- Local jurisdictional review and approval of physical design component of preliminary design plans

Physical Design Components

- LRT track location
- Station location and layout
- Roadway features
  - Turn lanes
  - Lane widths
  - Traffic signals
- Sidewalks
- Pedestrian crossings
- Operations and Maintenance Facility (OMF) location
- Freight track location
- System elements

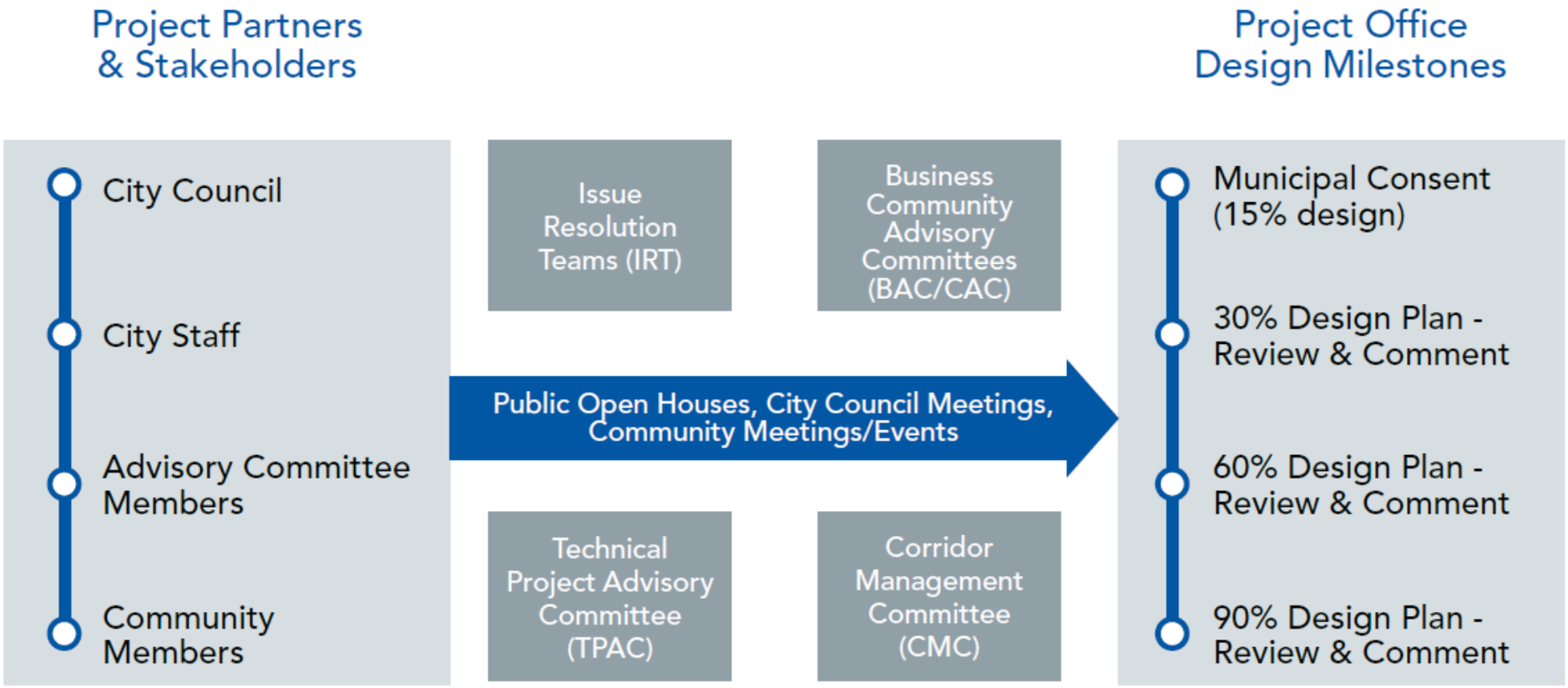
Municipal Approval Process



Next Steps After Municipal Approval

- Station design
- Utility relocation design
- Design advancement:
  - LRT track features
  - Roadway details
  - OMF features
  - Bridges
  - System elements
  - Freight rail features

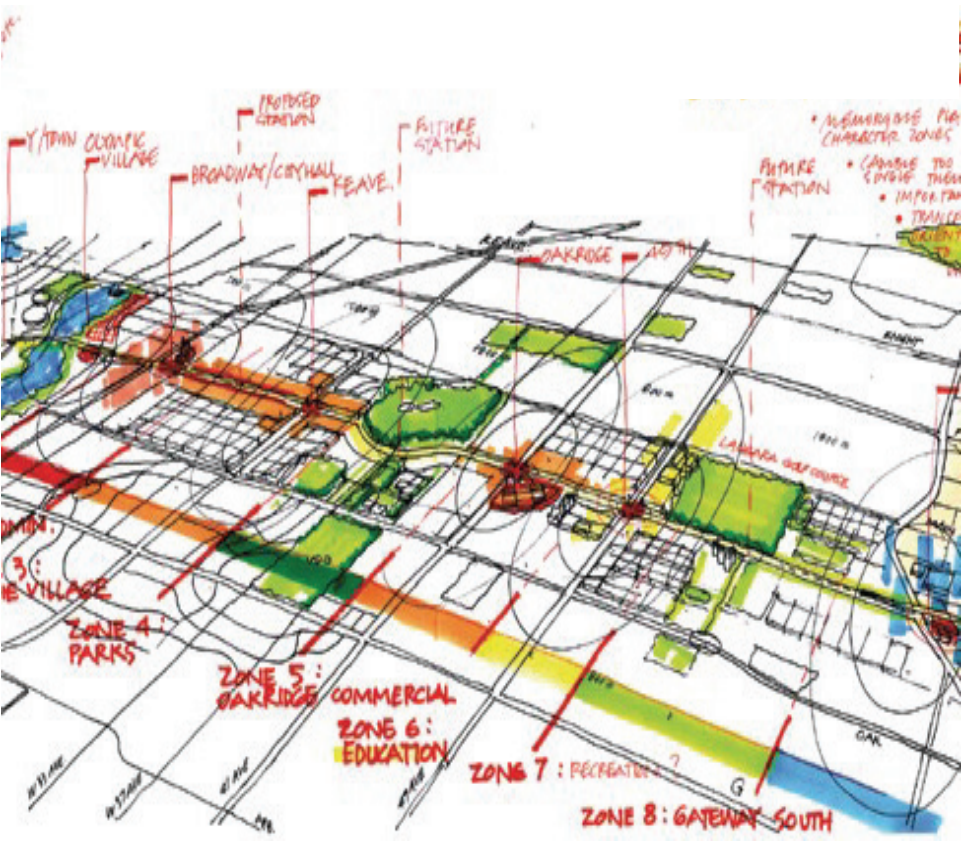
Continued Design Coordination



Hennepin County Community Works Update

BOTTINEAU LRT COMMUNITY WORKS

METRO BLUE LINE EXTENSION









UPCOMING MEETINGS

Brooklyn Park

Wrap up community meeting

November 4, 6:30 to 8:30 p.m.
Brooklyn Park Community Activity Center— Grandview Room
5600 85th Avenue North, Brooklyn Park

See revised station area planning concepts; take part in a discussion on what you like and what you would change

Crystal

Design Workshop Community Meeting

Thursday, November 5th, 6:30-8:30pm

Rockford Road Library, 6401 42nd Avenue North, Crystal

See ideas for the station; take part in a discussion on what you like and what you would change

Get updates at www.hennepin.us/bottineau

Crystal Design Workshop

- Similar to workshops in Robbinsdale & Brooklyn Park
- UDA Design team, City and County staff will hold approx. 15 stakeholder meetings, such as :
  - Developers, property owners and managers
  - Education, service and religious organizations
  - Transportation
  - Parks
  - Multi-family building residents
  - Businesses
  - Local elected and appointed officials
  - City and County staff
  - One-on-one with key stakeholders
  - Community members

CONTACTS AND INFORMATION

City of Crystal

- Dan Olson: Dan.Olson@crystalmn.gov
- Webpage: http://www.ci.crystal.mn.us

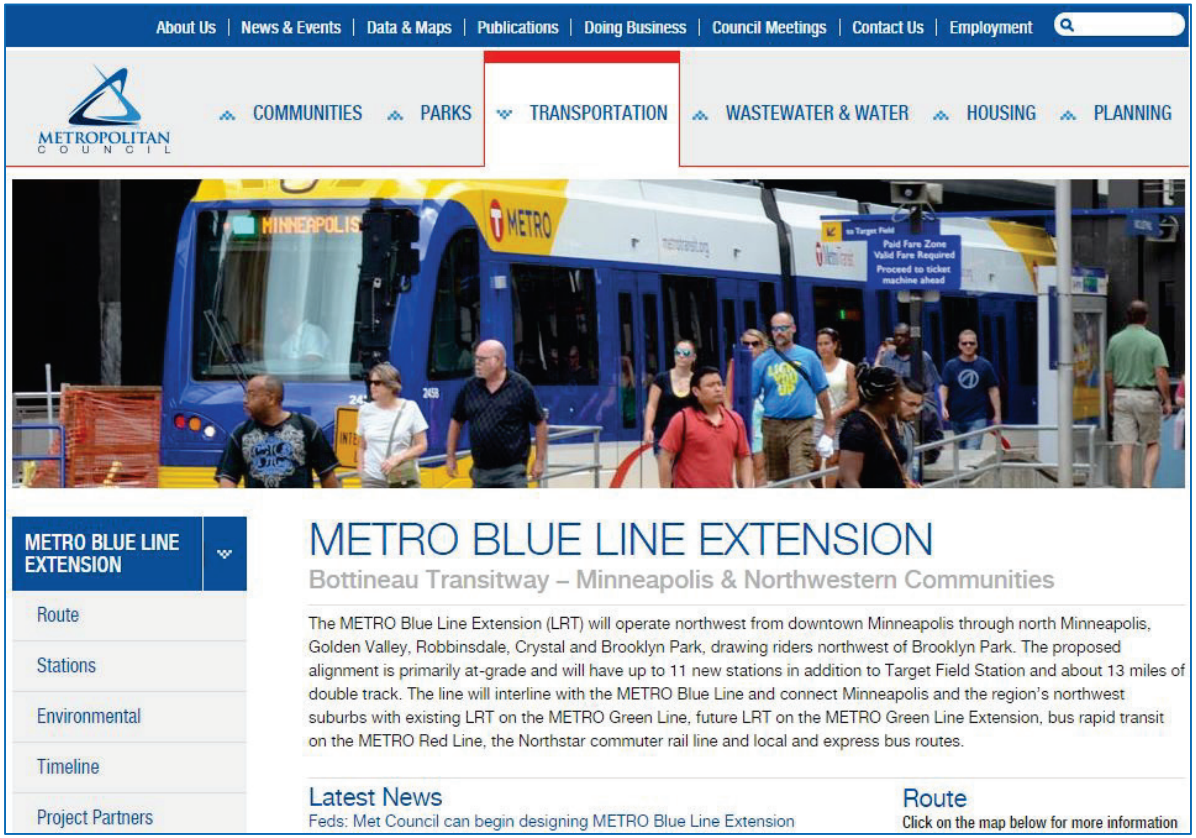
Hennepin County/Bottineau LRT Community Works

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Member and Committee Reports/Public Forum

Next BAC Meeting: December 1, 2015

More Information



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Email: BlueLineExt@metrotransit.org

Twitter: @BlueLineExt