Business Advisory Committee Meeting

March 25, 2014
Today’s Topics

- October 2013 CMC Project Scope and Budget
- Deep Shallow Tunnel under Kenilworth Channel
- Surface Transportation Board Staff Meeting Update
- BAC Recommendation to CMC Discussion
- Downtown Hopkins Station CMAQ Funding Request
- Southwest Station Update
October CMC Project Scope and Budget
SWLRT Project Development Technical Issues

Revision 04: 28 May 2013

Technical Issues:
1. Eden Prairie Alignment
2. Nine Mile Creek Crossing
3. Golden Triangle Station
4. Shady Oak Road & TH 212 Crossing
5. City West Station & TH 62 Crossing
6. Opus Station
7. Opus Hill/Minnetonka-Hopkins Bridge
8. Shady Oak Station
9. PEC West/PEC East Interface Point

PEC West

PEC East

Joint PEC West/PEC East

System-wide Technical Issues (not shown):
22. Traction Power Substation and Signal Bungalow Locations
23. Operation & Maintenance Facility (OMF) Location
24. Park & Ride, Kiss & Ride and Bus Layover Locations
25. Trails and LRT Interface Coordination
SWLRT PD Technical Issues
Technical Issues: 2-20, 22, 24 and 25

• At its October 9 meeting, the CMC voted to recommend to the Council as presented to the CMC on August 7 and August 28, 2013
Technical Issues: 2013 CMC Actions

• At its September 4 meeting, the CMC voted to recommend to the Council:
  ▪ TI #1: Eden Prairie Alignment: Comp Plan Alignment to Southwest Station
  ▪ TI #21: Removal of the Deep Bore LRT Tunnel option from further consideration

• At its September 11 meeting, the CMC voted to recommend to the Council:
  ▪ TI #23: Hopkins Site 9A for the OMF location

• At its October 9 meeting, the CMC voted to recommend to the Council:
  ▪ TI #21: Shallow LRT tunnels through the Kenilworth Corridor
Project Budget Recommendation

- SWLRT Base Project $1.390 B
- Freight Rail
  - Common Elements $.090 B
  - Kenilworth Shallow LRT Tunnel $.160 B
- Scope/Cost Reductions $(.087 B)
- SWLRT Adjusted Budget $1.553 B*

*Includes 27% contingency allowance
Deep Shallow Tunnel under Kenilworth Channel
Feb 5, 2014 Minneapolis Park and Recreation Board Resolution

- Requests SPO to conduct a detailed engineering feasibility study and cost comparison of tunneling under the Kenilworth Channel as part of the shallow LRT tunnels option
Shallow LRT Tunnels

Begin Tunnel

End Tunnel

Approx. 2,200'

Approx. 2,500'

Kenilworth Corridor
Owner: HCRRA
Operator: TC&W
Kenilworth Shallow LRT Tunnel
LRT Tunnel Under Channel - Long

- Begin Tunnel: 5,800'
- End Tunnel
- Kenilworth Corridor
  Owner: HCRRA
  Operator: TC&W

West Lake Station

Brownie
Cedar
Cedar Lake Pkwy
Burham Rd
Lake of the Isles
Calhoun
Midtown Greenway
W 38th St

North
Lake Street
South
1st Avenue
Brownie
Cedar
Cedar Lake Pkwy
Burham Rd
Lake of the Isles
Calhoun
Midtown Greenway
W 38th St

North
Lake Street
South
1st Avenue
Kenilworth Shallow LRT Tunnel – Under Channel
LRT Tunnel Under Channel - Short

Begin Tunnel

End Tunnel

Approx. 3,100'

21st St Station

Kenilworth Corridor
Owner: HCRRA
Operator: TC&W

West Lake Station

Brownie

Cedar

Cedar Lake Parkway

Burlington Rd

Lake of the Isles

Midtown Greenway

Calhoun
Metro Transit
St. Louis, Missouri
Cross-County Extension Project
WMATA - Metrorail Blue Line Extension to Largo, Maryland
Wiener Linien (Vienna Lines)
Vienna, Austria
U-Bahn - U1 Extension
Deep Tunnel Under Kenilworth Channel

- Requires extensive retaining walls and bracing to support tunnel excavation
- Access to channel temporarily blocked during summer and winter conditions during construction
- Requires re-vegetation of channel embankments after the tunnel is constructed
- Requires additional one year of construction
- Requires additional cost:
  - Long Tunnel: $65 - $85M
  - Shorter Tunnel: $30 - $40M
Surface Transportation Board Staff: Meeting Recap
BAC Recommendation to CMC Discussion
Downtown Hopkins Station CMAQ Funding Request
Hopkins: Downtown Hopkins Station

• Provide additional amenities
  ▪ Landscape and hardscape elements
  ▪ Enhanced bike facilities

• Prioritize additional civic plaza elements as contingency funds are available

• Identify non-project funding to help implement the ARTery project along 8th Ave from the station platform to Mainstreet
Downtown Hopkins Station

• Parking facility incorporates TOD redevelopment opportunities

• Compliments historic Mainstreet district and ARTery plans

• Improves pedestrian and bicycle facilities

• Proposed $7 M CMAQ grant is matched with $1.75 M of local funds
Resolution of Support: Downtown Hopkins Station CMAQ Funding Request
TI #1: Southwest Station Update
October 9, 2013 CMC Resolution

• Calls on SPO to design SWLRT so as not to preclude a future LRT extension from Southwest Station to Mitchell Road
Southwest Station: Concept #4

CONCEPT SECTION A-A

RECONFIGURED SW TRANSIT BUS OPERATIONS

POTENTIAL BMP

40' X 40' MEANEY SHIELD, TYP

SHARED MEANEY AND SWT BUS PLATFORM

WEST EXPANSION TO PARKING STRUCTURE
192 SPACES ON G
90 SPACES ON H
1050 TOTAL SPACES

MAIN PARKING ENTRY/EXIT

SHORT TERM KIDS & RIDE PARKING SPACES
192 TOTAL

ANCHOR BANK

POTENTIAL TRACK ADJUSTMENT

DRAFT-WORK IN PROGRESS

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

SOUTHWEST Green Line LRT Extension

29
Southwest Station: Concept #5

CONCEPT SECTION A-A

CONCEPT 5

RECONFIGURED SW TRANSIT BUS OPERATIONS

CANOPY ALONG BUS LOADING

POTENTIAL BMP

6x24' HEATER SHELTER, TV

SHARED SWIT AND SWT BUS PLATFORMS

SWITCH ONLY PLATFORMS

WEST EXPANSION TO PARKING STRUCTURE
36 SPACES ON G 138 SPACES ON 1-3
450 TOTAL SPACES

EXISITNG SOUTHWEST TRANSIT PARKING HAMP

SHORT TERM KISS & RIDE
PARKING SPACES (50 TOTAL)

MAIN PARKING ENTRY/EXIT

KISS & RIDE ENTRY/EXIT

SANTORINI

SOUTHWEST STATION

PARKING

SOUTHWEST STATION

SOUTHWEST STATION

TECHNOLOGY DR.

RAIL

PRAIRIE CREST DR.

ANCHOR BANK

POTENTIAL TRACK ADJUSTMENT

DRAFT-WORK IN PROCESS
Southwest Station: Concept #5

- **Reconfigured SW Transit Bus Operations**
- **Potential BMP**
  - 6' x 24' Heated Shelter, Typ
- **Shared SWLRT and SWT Bus Platform**
- **West Expansion to Parking Structure**
  - 90 spaces on G
  - 192 spaces on 1-5
  - **1050 Total Spaces**
- **Canopy Along Bus Loading**
- **Kiss & Ride Drop Off**
- **Main Parking Entry/Exit**
- **Short Term Kiss & Ride Parking Spaces**
  - (36 Total)
- **Strip Mall**
- **Draft-Work in Process**
Member and Committee Reports
More Information

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