

Corridor Management Committee

December 3, 2014







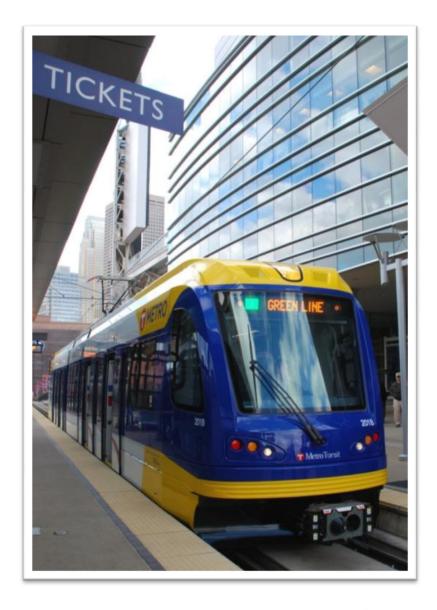






Today's Topics

- Section 106 Process: Kenilworth Channel Bridge Design Concepts
- Station Design Overview
- Executive Change
 Control Board Update
- Locally Requested
 Capital Investments
 (LRCIs) Update





Section 106 Process



Section 106 of the National Historic Preservation Act of 1966

- Requires Federal agencies to take into account the effects of their "undertakings" on historic properties
- Process independent from, but completed in coordination with, the National Environmental Policy Act (NEPA) and Section 4(f) of the Department of Transportation Act, as applicable



Section 106: Roles and Responsibilities

- MnDOT Cultural Resource Unit (CRU):
 - Acts on behalf of FTA for portions of Section 106 process
 - Defines Areas of Potential Effects (APE)
 - Determines whether historic properties are subject to potential adverse effects
- Metropolitan Council:
 - Local project sponsor and federal grantee
 - Responsible for certain parts of the Section 106 process including implementation of mitigation measures



Section 106: Roles and Responsibilities

- Consulting parties:
 - Provide input to FTA and MnDOT CRU
 - State Historic Preservation Office (SHPO) represents interests of state in consulting with Federal agencies about the effect of their undertakings on historic properties
 - Advisory Council on Historic Preservation (ACHP)
 oversees the work of Federal agencies in carrying out their
 responsibilities under Section 106
- Goal of consultation is to identify historic properties potentially affected by an undertaking, assess effects and seek ways to avoid, minimize or mitigate any adverse effects



Consulting Parties to Section 106

- City of Eden Prairie
- City of Minnetonka
- City of Hopkins
- City of St. Louis Park
- City of Minneapolis
- Minneapolis Park and Recreation Board
- Kenwood Isles Area Association
- Three Rivers Park District
- Minnesota State Historic Preservation Office



Kenilworth Channel Bridge Design Concepts







Highlights of Input Received

- Maximize natural light between bridges
- Importance of channel embankments
 - Vegetation restoration and bank walls
 - Bridge abutments and retaining wall
- Create more space for skiers and kayakers
- Natural materials, dark colors
- Utilitarian, non-ornamental
- Re-interpretation of existing bridge
- Modern construction techniques



Bridge Concepts

- Design investigation in coordination with Section 106 process
- Three separate design firms as part PEC-East team
- Tested with structural engineering
- Idea stage



Functional Requirements

- Two bridges
 - Freight rail: 20 ft 4 in width
 - LRT/trail: 53 ft 4 in width
- Track alignments maintained as designed in PE
- Vertical clearance of 14 ft: water to bridge beam
- Horizontal clearance of 20-25 ft: pier to pier



Aesthetic Design Considerations

- Space for embankments between abutments and water
- Symmetry
- Consistency of elevations
 - Curbs
 - Railings and fencing
- Theodore Wirth's Vision

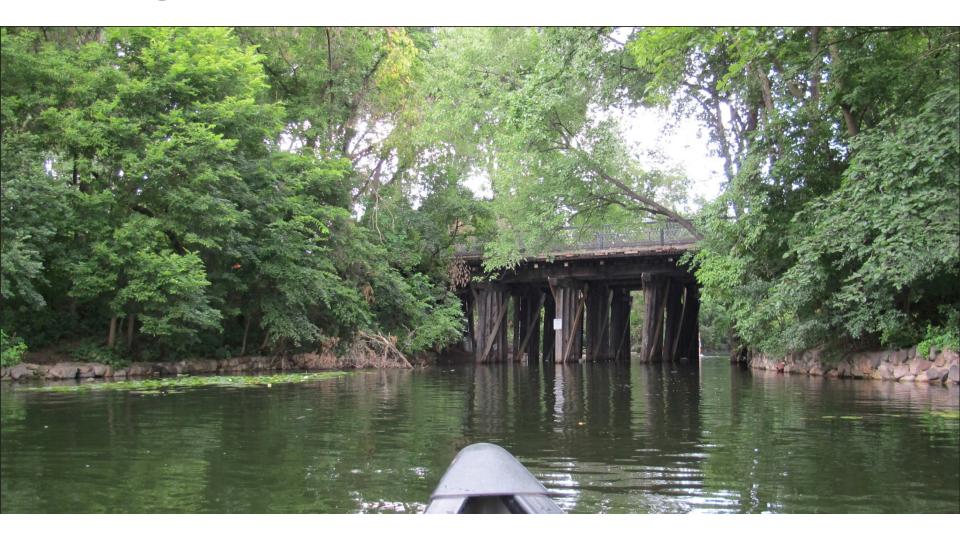


Kenilworth Channel Bridge Design Concepts









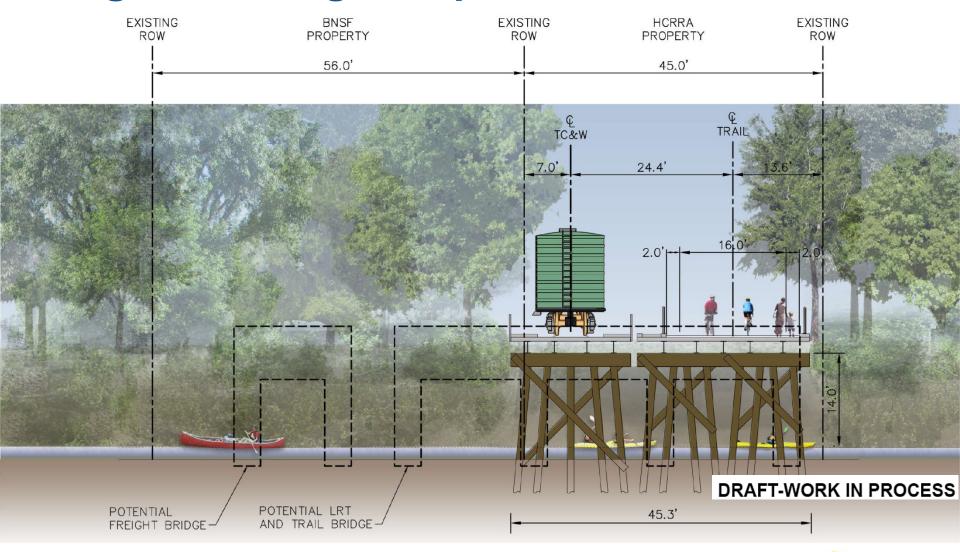








Bridge Crossing Footprint

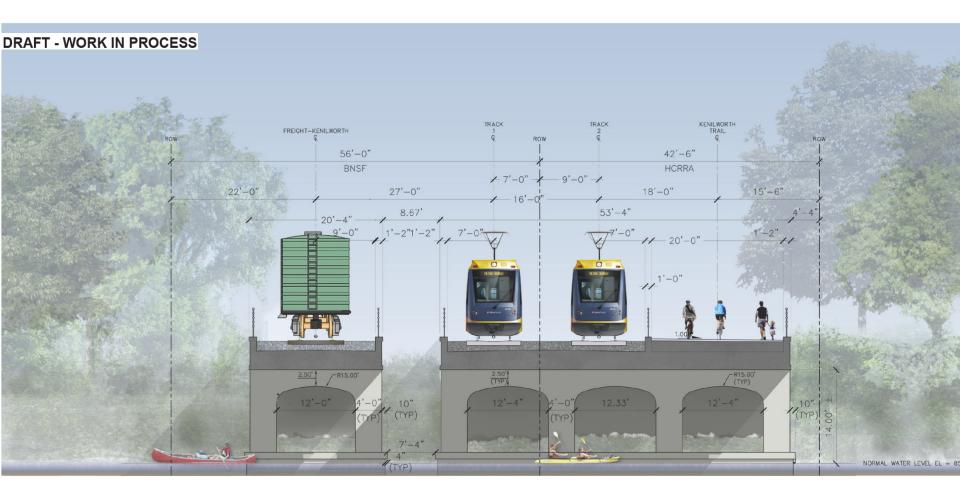






DRAFT - WORK IN PROCESS







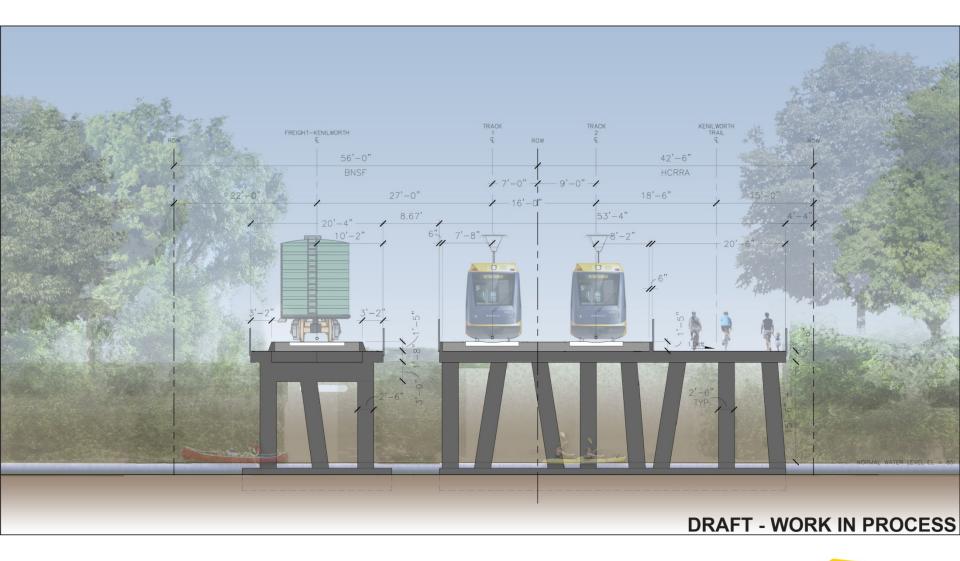






DRAFT - WORK IN PROCESS



















Next Steps

- Comments from consulting parties due mid-Dec 2014
- Public Involvement: Q2 2015
 - Advanced design
 - Kenilworth Channel LRT bridge
 - Public art
 - Station design
 - Kenilworth Landscape Design



Station Design Approach



Station Design Approach

- Technical Project Advisory Committee (TPAC) received Station Design 101 presentation followed by Green Line station tour in September 2014
- SPO has been meeting to discuss station design with city and county staff and receiving initial input











SWLRT Station Design Goals

- Provide architectural consistency with the Green Line
- Tie the SWLRT corridor together with a corridorwide design approach
- Control construction and maintenance costs and learn from past projects
- Acknowledge the different communities and station sites along the SWLRT corridor



Station Design Approach

- Identify 4 station types
 - Assign each station to 1 of 4 unique station types
- Identify station characteristics based on
 - TSAAP/Investment Framework Document
 - Project partner comments through IRT process
 - Public comments
 - SPO station site observations



Station Context



Established Corridor



New Corridor



Station Context



Business Park



Activity Center



Natural Landscape



Neighborhood



Corporate Campus



Downtown Neighborhood



Four Station Types

- Landscape Station
- Neighborhood Station

Town Square Station

Landmark Station

Understated





Station Prototypes









Station Prototype Design Overview

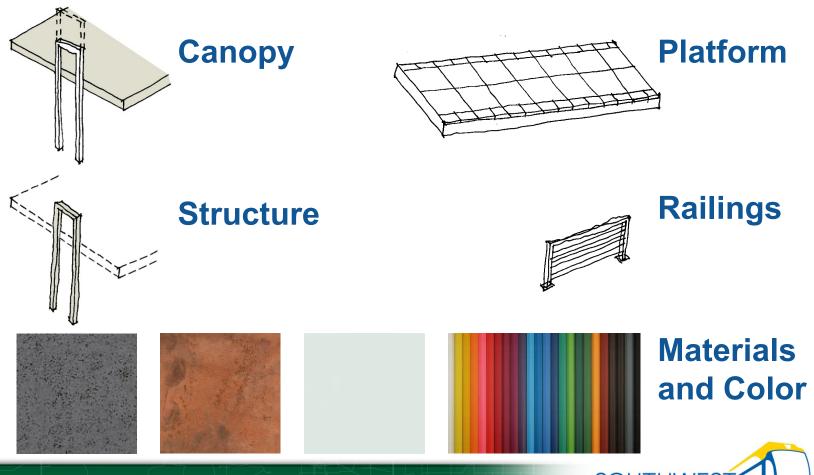


Use Station Elements from the Green Line



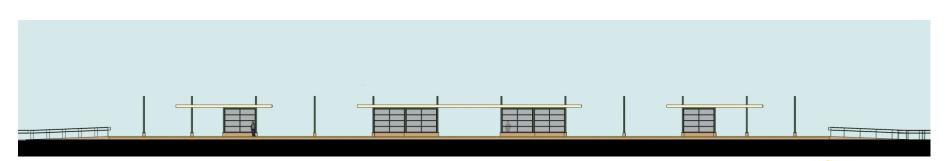
Station Elements

Used in unique ways to form station types:

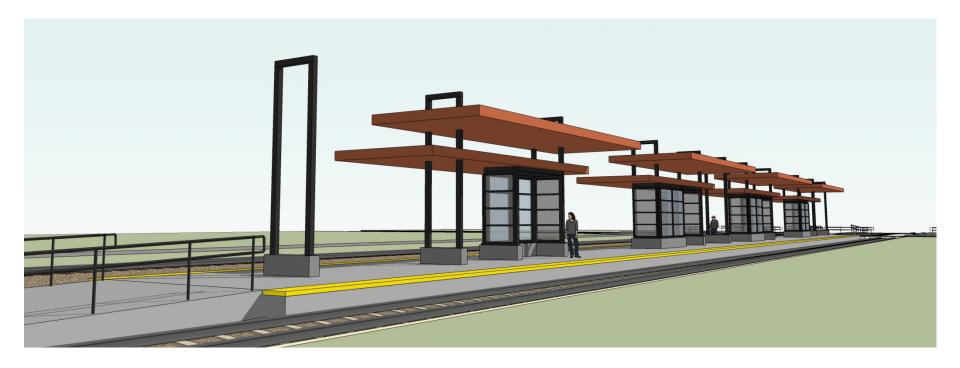


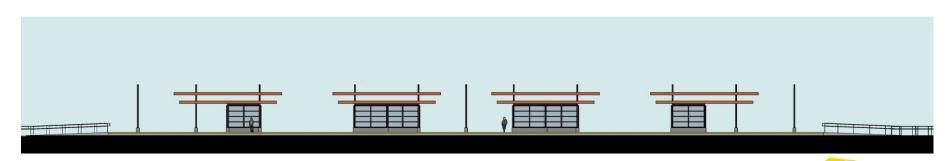
Landscape Station Prototype





Neighborhood Station Prototype



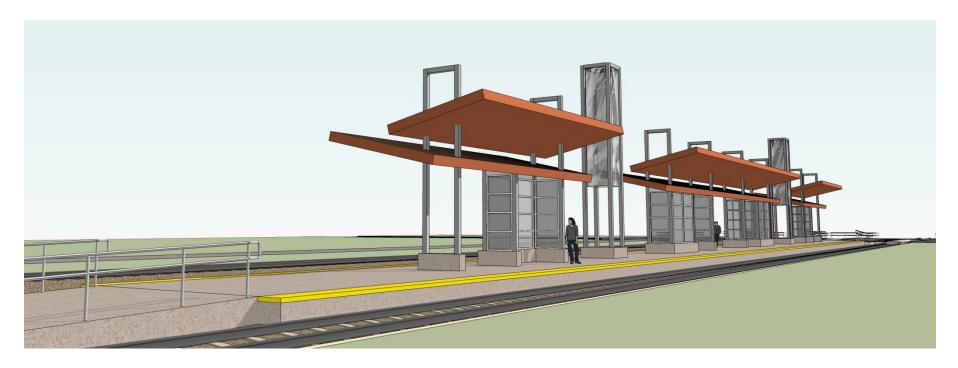


Town Square Station Prototype





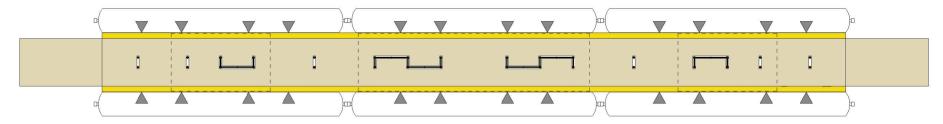
Landmark Station Prototype





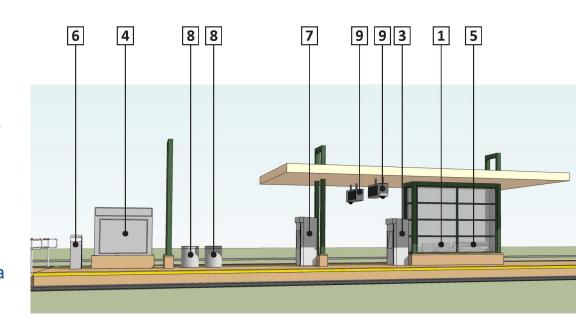
Station Design Consistency

Station Floor Plan



Equipment

- 1. Bench
- 2. Communication/Elec. Cabinet (not shown)
- 3. Future Ticket Vending Machine
- 4. Information Kiosk
- 5. Leaning Rail
- Stored Value Validator
- 7. Ticket Vending Machine
- 8. Trash/Recycling Receptacle
- 9. Variable Message Sign & Security Camera





Station Design Flexibility

- 4 station types based on setting
- Adjustments to station types based on site specific conditions
- Additional use of station elements for wayfinding
- Color, texture and pattern
- Integrated Public Art
 - On-platform
 - Off-platform



Next Steps: Station Design

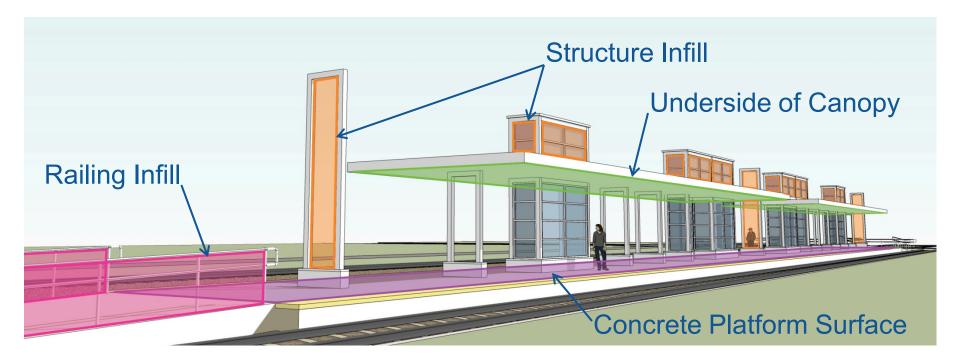
 Adjust station prototypes based on city and county staff input in early 2015 once Advanced Design Consultants on are board

Seek public input on station types in Q1 – Q2 2015

Start the Integrated Public Art process in Q2 2015



Integrated Public Art Opportunities





Next Steps: Integrated Public Art

- Anticipate:
 - Advertising RFP in December 2014
 - Issuing Notice-to-Proceed to selected Artists in Q2 2015
 - Hiring 6 to 8 artists or artist teams for artwork at the 17 stations and OMF
 - Forming 1 Station Art Committee (SAC) per city to provide input in Q2 2015



Executive Change Control Board Update

Executive Change Control Board Update

- Call for Board Members
- First meeting: Dec 18
 - Review the mandate of the ECCB
 - First reading of the bylaws
 - Contingency 101
 - Review Locally Requested Capital Investments



Locally Requested Capital Investments (LRCIs) Update



More Information

Online:

www.SWLRT.org

Email:

SWLRT@metrotransit.org

Twitter:

www.twitter.com/southwestlrt

