Kenilworth Landscape Design Community Workshop

August 8, 2015
Meeting Agenda

• 9:00 – 9:45 am: Project presentation

• 9:45 – 11:30 am: Small group/table activities
Today’s Topics

• Welcome and Introductions
• What We Heard
• Review Proposed Landscape Design Concepts
• Upcoming Events/Next Steps
• Questions?
• Community Workshop Activities
Welcome and Introductions
What We Heard
Community Workshop #1
What We Heard

• Reinforce the positive existing landscape characteristic of the corridor
• Utilize a native plant material palette within the project area
• Locate bike and pedestrian trails further away from LRT tracks to provide more separation
• Create informal gathering/seating areas
• Develop a long-term strategy for maintenance
Review Proposed Landscape Design Concepts
Project Scope

- Design of the environment and aesthetic, including landscape elements, re-establishment of the trail system, access, and other urban design elements including:
  - Vegetation: trees, plantings, and ground cover
  - Trails and other hardscape elements
  - Landforms and retaining wall finishes
  - Fencing or barriers
  - Screening
  - Station sites
  - Lighting at station sites
  - Site furnishings
Landscape Design Intent

- Diversity
- Experience
- Ecology and typologies
- Interpretation
- Scale
Design Opportunities

• Vegetation: trees, plantings, and ground cover
  ▪ What ecotypes or plant communities should serve as design inspiration?
    – Oak Savannah
    – Mesic Hardwood Forest System
      o Maple Basswood Forest: “Big Woods”
    – Prairie/Meadow
  ▪ What are the focus areas for landscaping?
    – Restoration of “Limits of Disturbance” (LOD) areas
    – Construction easements
    – Other areas with unique characteristics
Landscape Typologies

Mesic Hardwood Forest

- Basswood (Tilia americana)
- Sugar Maple (Acer saccharum)
- Grey Dogwood (Cornus racemosa)
- Prickly Wild Rose (Rosa acicularis)
- Tall Blackberries (Rubus alleghenianensis)
- Large Leaved Aster (Eurybia macrophylla)
- Bloodroot (Sanguinaria)
- Zigzag Goldenrod (Solidago flexicaulis)
- Northern Bush Honeysuckle (Diervilla lonicera)
Landscape Typologies

Oak Savannah

- Bur Oak (Quercus macrocarpa)
- Black Oak (Quercus velutina)
- White Oak (Quercus alba)
- Prairie Junegrass (Koeleria macrantha)
- Sideoats Grama (Bouteloua curtipendula)
- Common Milkweed (Asclepias syriaca)
- Hoary Puccoon (Lithospermum canescens)
- Leadplant (Amorpha canescens)
- Azure Aster (Symphyotrichum oolentangiense)
Landscape Typologies

Prairie

Little Bluestem (Schizachyrium scoparium)
Side oats Grama (Bouteloua curtipendula)
Silky Aster (Symphyotrichum sericeum)
Black Eyed Susan (Rudbeckia hirta)
Butterfly Milkweed (Asclepias tuberosa)
Hoary Vervain (Verbena stricta)
Spotted Joe Pye Weed (Eupatorium maculatum)
Prairie Smoke (Geum triflorum)
Wild Bergamot (Monarda fistulosa)
Design Opportunities

• Areas where ground cover can’t be planted in orange

Note: This is one location along the corridor & does not represent landscape planting conditions throughout the corridor.
Design Opportunities

• Areas where trees can’t be planted in blue

Note: This is one location along the corridor & does not represent landscape planting conditions throughout the corridor.
Proposed Design Concepts

• **Concept A:**
  “Landscape Passage”
Proposed Design Concepts

• Concept A: “Landscape Passage”
  - Highlights that this is a transportation corridor with landscape improvements that reinforce movement to create experiences
  - Focuses views and reinforces natural character of the corridor
  -Recalls historic railroad history of the corridor through alignment of trails and orientation of landscape
  - Landscape design utilizes plantings in more geometric orientation/layouts
Concept A: “Landscape Passage”

- Strengths:
  - Creates a series of distinct landscape experiences
  - Provides new opportunities to engage with the natural environment and utilizes a native plant palette
  - Incorporates historic, cultural and landscape interpretation
  - Removes invasive plant species in the corridor
  - Provides more trees
Concept A: “Landscape Passage”

- Weaknesses:
  - Removes most existing landscape and reduces overall tree canopy
  - Mature tree canopy will take longer to establish
  - Requires plant establishment and maintenance
  - Provides less budget flexibility to improve fencing, pavements and other
Plan Legend

"The Narrows"

WEST LAKE STATION

TUNNEL SOUTH VIEW PORTAL
- Create overlook
- Add bench seating
- Add bicycle racks

"THE NARROWS"
Plan Legend

THE NARROWS

- Trees and shrubs to define the edge of the “narrors"
- Establish berm planting

PARK SIDING PARK GATEWAY
- Add park seating
- Add bicycle racks

“The Narrows”
“The Meadow”

TUNNEL NORTH VIEW PORTAL
- Create overlook
- Add bench seating
- Add bicycle racks

MEADOW WOODED EDGE
- Provide flexible landscape areas/open lawns
- Create extensive tree canopy
- Create pothole prairies
MEADOW LANDSCAPE
- Add flowering prairie landscaping
- Create pothole prairies

“THE WOODS”

“THE MEADOW”

BURNHAM BRIDGE GARDEN
(under the bridge)
- Shade garden
- Transition landscape

Plan Legend
“The Woods”

- Create extensive tree canopy
- Add seating nodes

Plan Legend

- Restore landscape prairie
- Create pothole prairies
- Add seating nodes
“The Prairie”

- Restore landscape prairie
- Create pothole prairies
- Add seating nodes

Plan Legend
Proposed Design Concepts

• Concept B: “Landscape Evolution”
Proposed Design Concepts

• Concept B: “Landscape Evolution”
  ▪ Reinforces and builds-upon existing landscape typologies to create new experiences
  ▪ Concept defines the next evolution of the corridor to a space that balances transportation and the natural environment
  ▪ Creates pockets of enhanced landscape ecosystems along the corridor
  ▪ Stormwater management areas designed to interpret historic location of the east bay of Cedar Lake
  ▪ Landscape design utilizes plantings in more naturalistic orientation/layouts
Concept B: “Landscape Evolution”

- Strengths:
  - Reinforces existing character to create new landscape experiences
  - Provides new opportunities to engage with the natural environment and utilizes a native plant palette
  - Incorporates historic, cultural and landscape interpretation of the east bay of Cedar Lake
  - Removes invasive plant species in the corridor
  - Provides more flexible green space
  - Provides more budget flexibility to improve fences and pavements
Concept B: “Landscape Evolution”

• Weaknesses:
  ▪ Removes most existing landscape and reduces overall tree canopy
  ▪ Mature tree canopy will take longer to establish
  ▪ Requires plant establishment and maintenance
  ▪ Provides less trees
“The Narrows”

Plan Legend

- Create overlook
- Add bench seating
- Add bicycle racks
"The Narrows"

Plan Legend

Linear Landscape
- Trees and shrubs to define the edge of the "narrows"
- Establish berm planting

Park Siding Park Gateway
- Add park seating
- Add bicycle racks
“The Meadow”

Plan Legend

TUNNEL NORTH VIEW PORTAL
- Create overlook
- Add bench seating
- Add bicycle racks

MEADOW WOODED EDGE
- Provide flexible landscape areas/ open lawns
- Create extensive tree canopy
- Create pothole prairies
**WET MEADOW LANDSCAPE**
- Add flowering prairie landscaping
- Create pothole prairies stormwater features

**Plan Legend**

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**THE MEADOW**

- BURNHAM BRIDGE GARDEN (under the bridge)
  - Create shade garden
  - Transition landscape

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**“The Meadow”**
“The Woods”

- Create extensive tree canopy
- Add seating nodes

- Restore landscape prairie
- Create pothole prairies
- Add seating nodes

Plan Legend
"The Prairie"

- Restore landscape prairie
- Create pothole prairies
- Add seating nodes

Plan Legend
Design Opportunities: Viewing Portals

South Viewing Portal

- Portal seating area
  - Bench seating
  - Bicycle racks
  - Viewing portal
  - Crushed aggregate paving

- Native grass plantings
- Bollards
- Native perennial plantings
Design Opportunities: Viewing Portals

North Viewing Portal

- Shrub and perennial plantings
- New overstory trees
- Native grass plantings
- Native perennial plantings
- Portal seating area
  - Bench seating
  - Bicycle racks
  - Viewing portal
  - Crushed aggregate paving
Design Opportunities: Viewing Portals

Viewing Portal: Potential Fence Option A

Viewing Portal: Potential Fence Option B
Design Opportunities: Seating Nodes

Recycled Tree Trunk Benches
Design Opportunities: Seating Nodes

Native grass/perennial plantings
Recycled tree trunk benches

Cross-Section

Native grass/perennial plantings
Recycled tree trunk benches
Crushed granite paving

Seating Node: Option A

Native grass/perennial plantings
Recycled tree trunk benches
Crushed granite paving

Seating Node: Option B
Proposed Design Concepts: Cost Estimate

• Kenilworth Corridor area landscape budget = $2.9 M (year of expenditure construction cost)

• Concept A: “Landscape Passage”
  ▪ Estimated cost of landscape improvements = approximately $2.4 M (83% of budget)

• Concept B: “Landscape Evolution”
  ▪ Estimated cost of landscape improvements = approximately $2.3 M (81% of budget)
Proposed Design Concepts: Cost Estimate

- Costs include trees, plantings, ground cover, (5) seating nodes, (2) tunnel overlooks and screening of TPSS/signal bungalows/platform/tunnel system house or crossing houses
- Costs do not include:
  - Enhanced pavements
  - Entrance screening of system elements
  - Upgrades to walls or fences
  - Wayfinding or signage
  - Long-term maintenance
Design Opportunities

• Fencing/retaining walls
  ▪ Types of fencing/retaining walls
    – Fence between LRT and trail: Low cost range in base budget
    – Fence between freight rail and LRT: Low cost range in base budget
    – Fence between freight rail and right-of-way (ROW): Low cost range in base budget
    – Fencing at station sites: Mid to high cost range in base budget
    – Wall finishes: Low cost range in base budget
Design Opportunities: Fencing

Low Cost Range ($35-$55 LF)
Design Opportunities: Fencing

Mid Cost Range ($70-$110 LF)
Design Opportunities: Fencing

High Cost Range ($130-$180 LF)
Design Opportunities

Custom Architectural Elements: A High Cost Range
Upcoming Events/Next Steps
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<td>Pop-up Events</td>
<td>Present Concept Designs and Seek Input</td>
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<tr>
<td>KSALC</td>
<td>Seek Consensus on Preferred Concept Design</td>
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<tr>
<td>KSALC</td>
<td>Present Preferred Concept for Input</td>
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<td>Present Preferred Concept Design</td>
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Questions?
Workshop Activities
Meeting Agenda

• 9:00 – 9:45 am: Project presentation
• 9:45 – 11:30 am: Small group/table activities
Small Group/Table Activities

• Table 1: Design Concept Overview
• Table 2: Design Concept A: “Landscape Passage”
• Table 3: Design Concept B: “Landscape Evolution”
• Table 4: Landscape Design Priorities
• Table 5: Viewing Portals/Seating Nodes
• Table 6: Kenilworth Bridges
More Information

Online:
www.SWLRT.org

Email:
SWLRT@metrotransit.org

Twitter:
www.twitter.com/southwestlrt