## Tonight’s Agenda

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<td>• Context, Constraints and Existing Conditions</td>
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<td>• Open House (June 1st - CitySpace)</td>
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### Key Objectives
- Review alternative design concepts
- Review conceptual cost comparisons
- Obtain direction on concepts for June 1 Open House
Project Updates

Process and Schedule
We are here!

**Process/Schedule**

**PHASE 1**

**STEP 1**
- Awareness and Opportunity
  - Identifying values, issues, and opportunities
  - Steering Committee Meeting
  - Stakeholder Group Meetings
  - Mobility Fair
  - MetroQuest Survey

**STEP 2**
- Criteria and Initial Concepts
  - Exploring and evaluating design alternatives
  - Steering Committee Meeting
  - Stakeholder Group Meetings
  - Design Charrette

**STEP 3**
- Refinement and Reinforcement
  - Selecting a preferred concept
  - Committee Meetings
  - Steering Committee Meeting
  - Community Open House

**STEP 4**
- Endorsement and Action
  - Advancing a preferred concept
  - Steering Committee Meeting
  - Planning Commission
  - Board of Architectural Review
  - City Council

**Next Phases**
- Engineering Permitting Construction

**Community Engagement**
- Project Launch
- Design Charrette April 17-19
- Community Open House June 1
- Planning Commission
- BAR
- City Council
Project Updates
Design Program
City Design Criteria + Steering Committee + Public Engagement
City Design Criteria

- Bridge is the **gateway** into downtown
- Maintain 25 MPH **speed** limit
- Two lanes – one in each direction
- **Views** to the mountains and of the railroad tracks should be preserved
- **Innovative**, entertaining design
- Separate pedestrian, vehicles, and bicycles
- Reduce the **bridge length**
- **Enhance the landscape** design elements on the approaches
- **Accent lighting** to showcase the bridge
- Bike lanes **10’**, pedestrian lanes **10’** and traffic lanes **11’**
Design Charrette Takeaways

- **Overall corridor approach:** *New block structure*, closing Avon at Garrett, and creating new East-West public street at RRD property line
- **Two-lane 62’ bridge section** with a *protected bike lane* and wide sidewalks
- **Modern / funky design**
- **Enhanced landscape** elements on approaches
- **Accent lighting** (not theatrical)
- **Additional vertical circulation north of tracks on east side**
- **Interim / shared parking solutions** (in cooperation with property owners)
- **Minimize maintenance concerns regarding raised, planted medians**
Design Approaches

Roadway and Bridge Sections
Corridor Plans
Conceptual Alternative Costs
Design Theme and Architecture
Roadway and Bridge Sections
Roadway Sections – Alternative 1 South of Bridge
Roadway Sections – Alternative 2 South of Bridge
Bridge Section – Alternative 1, 2 and 3

SECTION C
Roadway Sections – Alternative 1 North of Bridge
Roadway Sections – Alternative 2 North of Bridge
Roadway Sections – Alternative 3 North of Bridge
Corridor Plans
Current Scope and Long Term
Corridor Plans

In-Scope Improvements Scenarios

• Work within current City property
• Maximize surface parking and on-street spaces
• Potential pedestrian / bike tunnel crossing below 9th street
• Ramp and stair options to Avon Street
• Consider impact of potential private parking solutions

Long-Term Buildout Scenarios

• Modified street pattern and block structure
• Parcel modifications: acquisition / parcel assembly scenarios
• Potential integration of vertical circulation with future buildings
• Improved parking scenarios with potential shared parking on development sites
• Increased activation at street level = improved security and placemaking opportunities
Corridor Plans

In-Scope Improvements Scenarios

• Work within current City property
• Avon Street closed
• Graves Street is Right-in/Right-Out Only
• Maximize surface parking and on-street spaces
• Potential pedestrian / bike tunnel crossing below 9th street
• Ramp and stair options to Avon Street
• Net parking counts (excluding potential shared parking inventory)
Corridor Plans

In-Scope Improvements Scenarios

- Work within current City property
- Avon Street open
- Graves Street is Left-in/Right-in/Right-Out Only
- Maximize surface parking and on-street spaces
- Pedestrian / bike tunnel crossing below 9th street
- Ramp and stair options to Avon Street
- Potential shared parking solutions
Corridor Plans

In-Scope Improvements Scenarios

• Work within current City property
• Minimizes right-of-way acquisitions by limiting public planting/green space
• Avon Street open
• Graves Street is Right-in/Right-out Only
• Maximize surface parking and on-street spaces
• Pedestrian / bike tunnel crossing below 9th street
• Ramp and stair options to Avon Street
• Potential shared parking solutions
Corridor Plans

Long-Term Buildout Scenarios

- Modified street pattern and block structure
- Parcel modifications: acquisition / parcel assembly scenarios
- Potential integration of vertical circulation with new buildings on development sites
- Improved parking scenarios with potential shared parking on development sites
- Increased activation at street level = improved security and placemaking opportunities
Corridor Plans

East Side Parking Option

- Spaces within ROW
- Consider new public street ROW
- Potential programmed event space
Conceptual Alternative Costs

Roadway and Bridge
**Conceptual Alternative Costs**

<table>
<thead>
<tr>
<th>Current Budget</th>
<th>$23.0 million</th>
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<tbody>
<tr>
<td>Alternative 1</td>
<td>$22+/- million</td>
</tr>
<tr>
<td>Alternative 2</td>
<td>$22+/- million</td>
</tr>
<tr>
<td>Alternative 3</td>
<td>$22+/- million</td>
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Conceptual costs include preliminary engineering, right-of-way/easement acquisition, utility relocation, **construction**, and federally required construction administration.

**Construction** includes:

- Roadway
- Bridge
- Landscape plantings
- Lighting
- Traffic signals at 9th/Avon/Levy and 9th Market
- 20% Contingency
Design Theme and Architecture
Vertical Circulation
3D Diagrams
Vertical Circulation  
North Abutment  
Concept 1 - Stairs to Water St

3D Rendering - 9th Street looking East
Vertical Circulation

North Abutment

Concept 1 - Stairs to Water St

3D Rendering - Water Street looking East

3D Rendering - Water Street looking West
Vertical Circulation  North Abutment

Concept 2 - Stairs and ramps to Water St & ADA northbound pedestrian access to mall

3D Diagrams
Vertical Circulation  

North Abutment

Concept 3 – Elevator and stairs to Water St & northbound pedestrian access to mall

3D Diagram
Skirting

3D Rendering - Avon St. Looking East
Skirting

Concept 1 - No skirting with exposed beams
Skirting

Concept 2 - Skirting of Beams

Section

Section Perspective

Precedent Images
Skirting

Concept 1 – No skirting of beams

Concept 2 – Skirting of beams
Parapets and Railing
Parapets and Railing

Concept 1 - Outer barrier crash worthy

Section

View From Bridge Sidewalk

Precedent Images

3"x4" slt tube rails

18" 24"
Parapets and Railing

Concept 2 - Outer barrier crash worthy
Parapets and Railing

Precedent Image

Section

View From Bridge Sidewalk

Concept 3 - Outer barrier not crash worthy
Railroad Fencing
Parapets and Railing

Railroad Criteria

- STANDARD LOOP CAPS
- STANDARD TENSION BANDS
- 5/16" DIA. TENSION RODS TO FRAME FABRIC PANEL, (VINYL COATING OPTIONAL)
- 9 GA. 2" MAXIMUM DIAMOND CHAIN LINK FENCE FABRIC, (VINYL COATING OPTIONAL)

FASTEN FENCE TO BARRIER IN ACCORDANCE WITH APPLICABLE STANDARDS

TOP OF BARRIER

STANDARD BOULEVARD CLAMP

FENCE

TOP OF SIDEWALK

8'-6" MINIMUM ABOVE
Parapets and Railing

Precendent Images

Section

View From Bridge Sidewalk
Parapets and Railing

Precedent Images

Section

View From Bridge Sidewalk

Concept 2
Parapets and Railing

3D Rendering – Looking West from 9th Street

3D Rendering – Looking East from Water Street
Piers

3D Rendering – Looking West from Avon Street
Piers

Concept 1 – Standard Cylindrical or Rectangular Piers

Precedent Image

Elevation
Piers

Precedent Image

Concept 2 – Open Y-Shaped Piers

Elevation
Piers

Concept 3 – Hammerhead Piers

Precedent Image

Elevation
Piers

Precedent Images
Piers

3D Rendering – Looking East from Water Street
Lighting
Lighting

Pedestrian / Street

Precedent Images

West Main (existing)  
Selux Astro (West Main Proposed)  
Landscape Forms FGP  
Selux Discera
3D Rendering – Looking West from Bridge
Lighting

Precedent Images

Forms and Surfaces Light Column
Forms and Surfaces 3 Rivers
Echelman “Netlight”
3D Rendering – 9th Street Looking East
Lighting

Bridge Accent

Piers and Underside Uplit

Piers Uplit and Spans Downlit

Piers Uplit
Walls

Precedent Images
Walls Treatment Concepts

Concept 1 – Architectural

Precedent Images: Geological Pattern
Pavilion Screen

Concept 1 – Green Panels

Concept 2 – Hedge
Pavilion Screen

Concept 1 – Green Panels
Design Themes and Architecture - Recap

Avon Closing
Road/Bridge Sections
Pedestrian Tunnel
Parking
Vertical Circulation Concepts
• NW Corner Stairs/ramp
• NE corner stairs / ramp
• South side stairs/ramp
Bridge Skirting
Parapet and Railings
• Crash barrier at bike lane
• Perimeter crash barrier and rail
Railroad Fencing
Piers
• Monolithic
• Open “V”
Lighting Fixture
Lighting effects
Wall Treatments
Next Steps
Open House

Thursday, June 1\textsuperscript{st}
Thank you!