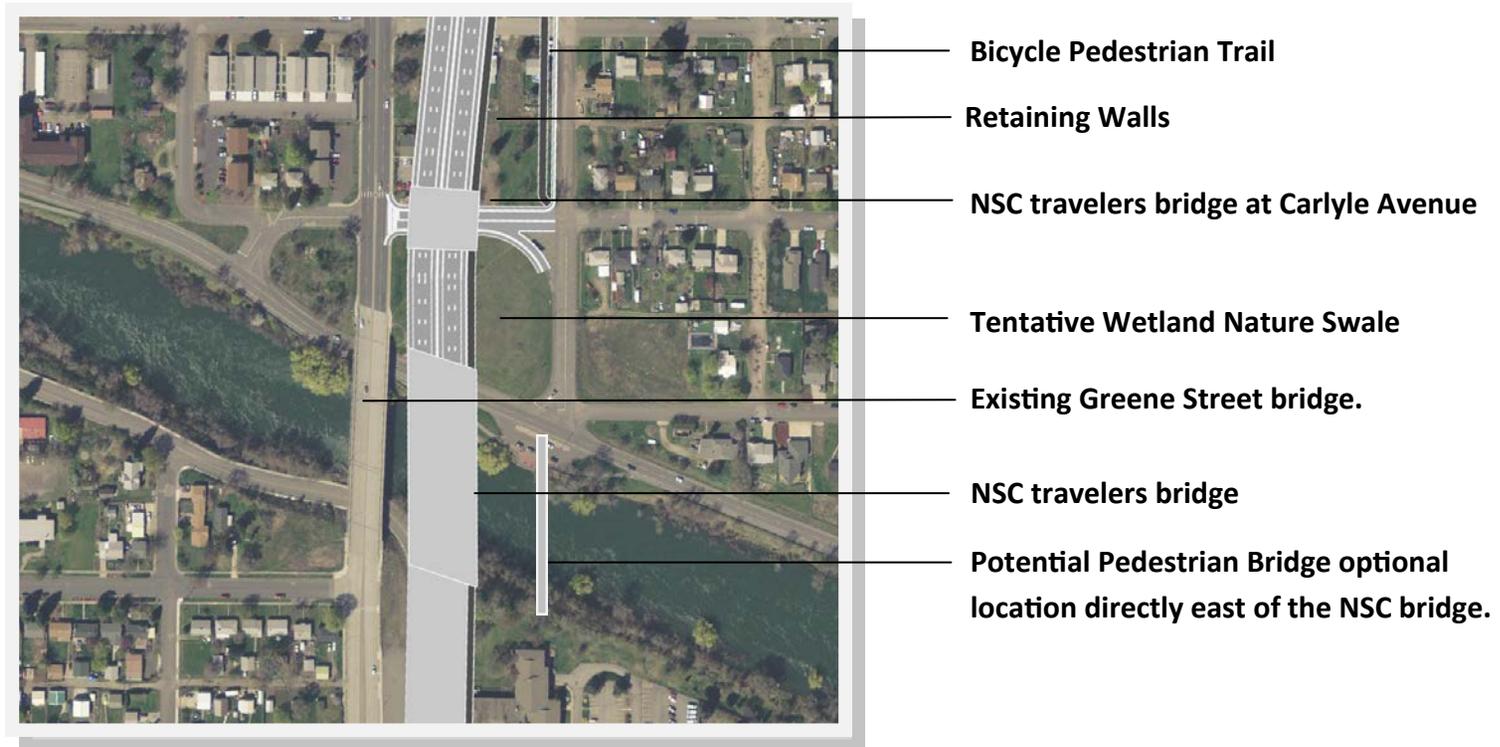


# Bemiss, Hillyard, Minnehaha, Chief Garry & East Central Neighborhoods

Washington State Department of Transportation Paul Kinderman AIA Sandy Salisbury RLA Darrel McCallum PE Eastern Region Project Engineer 11 2015

## Neighborhood Locale Design Elements

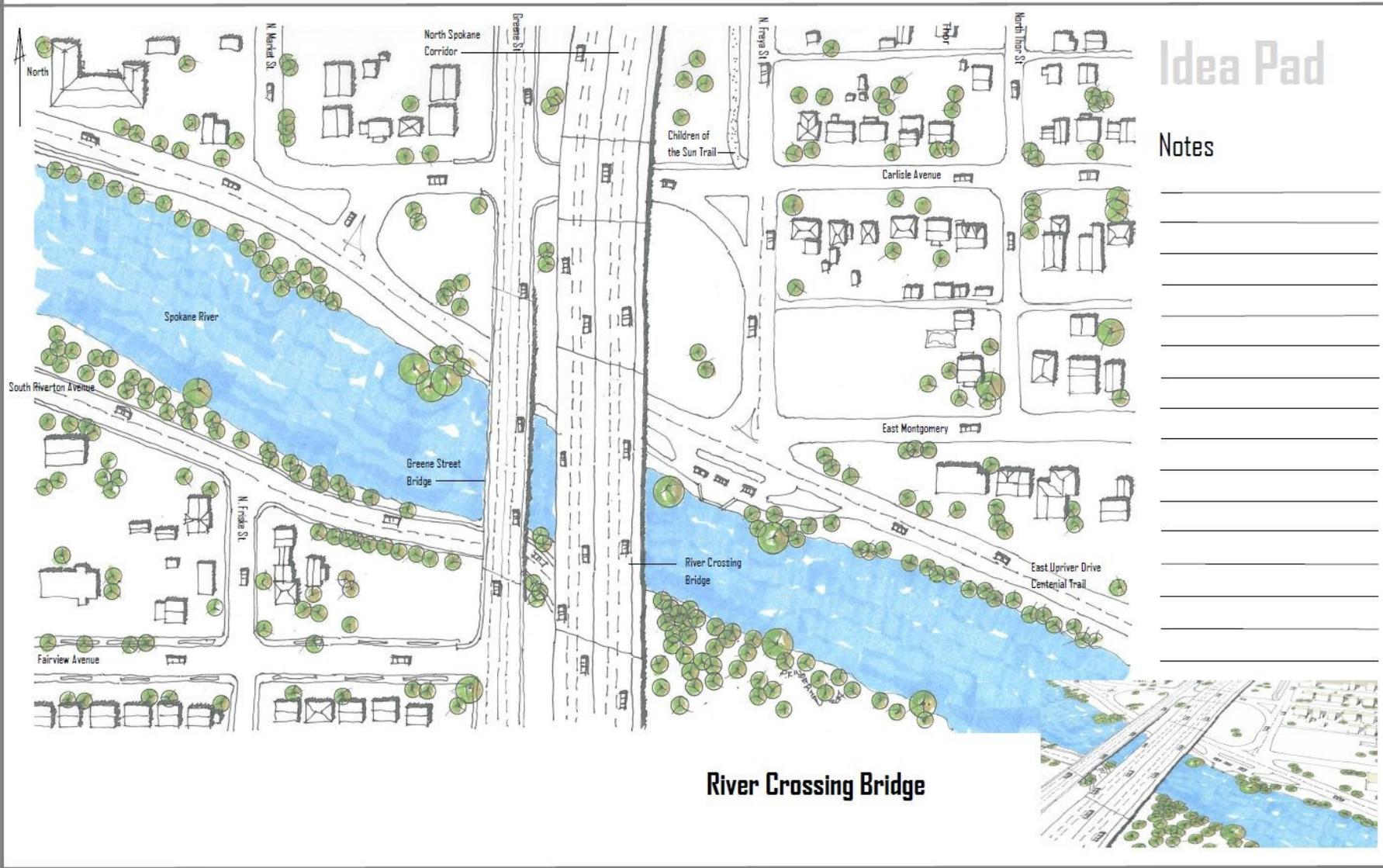
### The River Crossing



**Note:** The current design brings pedestrians and bicyclists across the existing Greene St. Bridge.

# Bemiss, Hillyard, Minnehaha, Chief Garry & East Central Neighborhoods

Washington State Department of Transportation Paul Kinderman AIA Sandy Salisbury RLA Darrel McCallum PE Eastern Region Project Engineer 11 2015



## Idea Pad

### Notes

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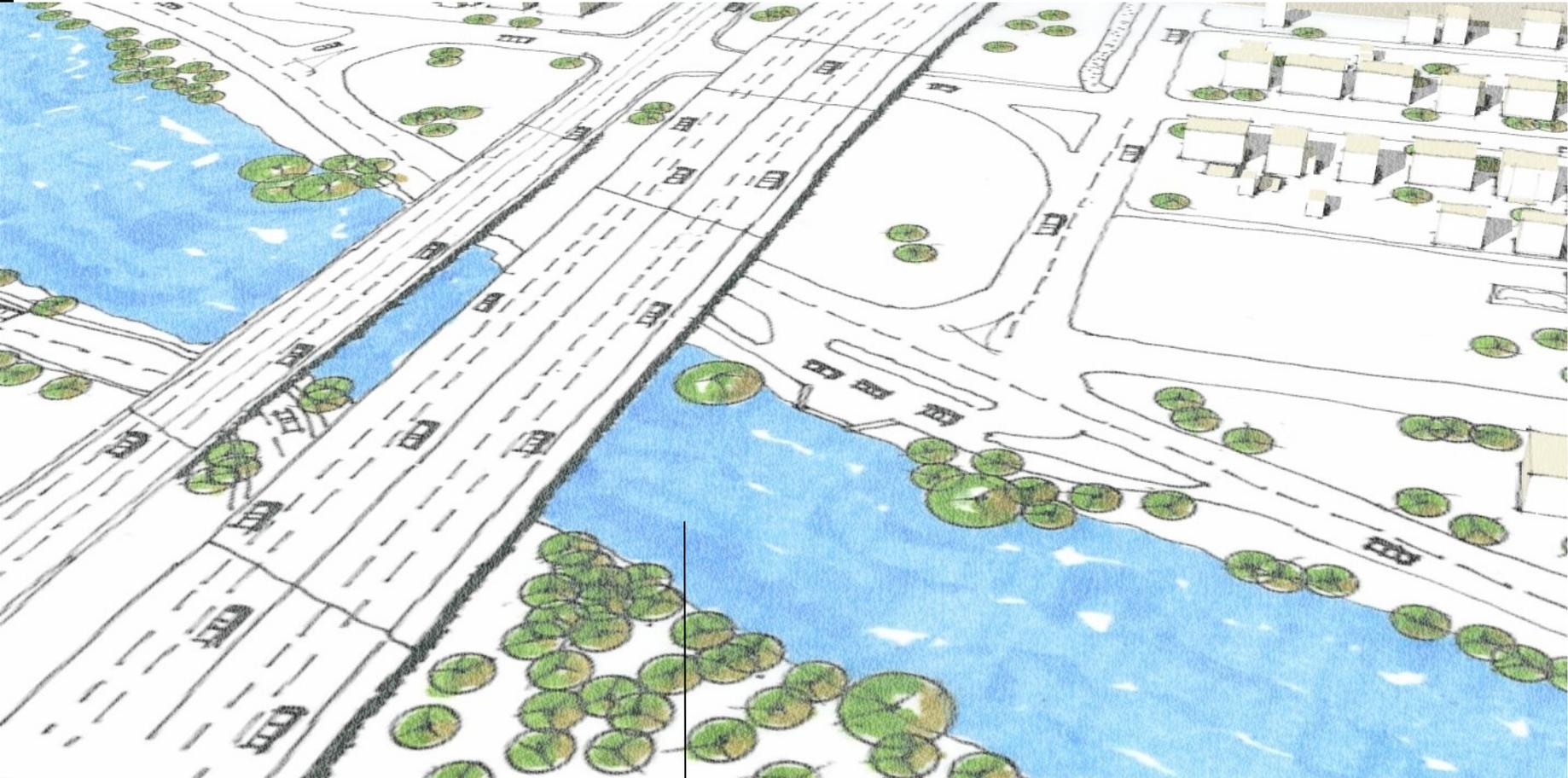
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River Crossing Bridge

## Workshop Tool

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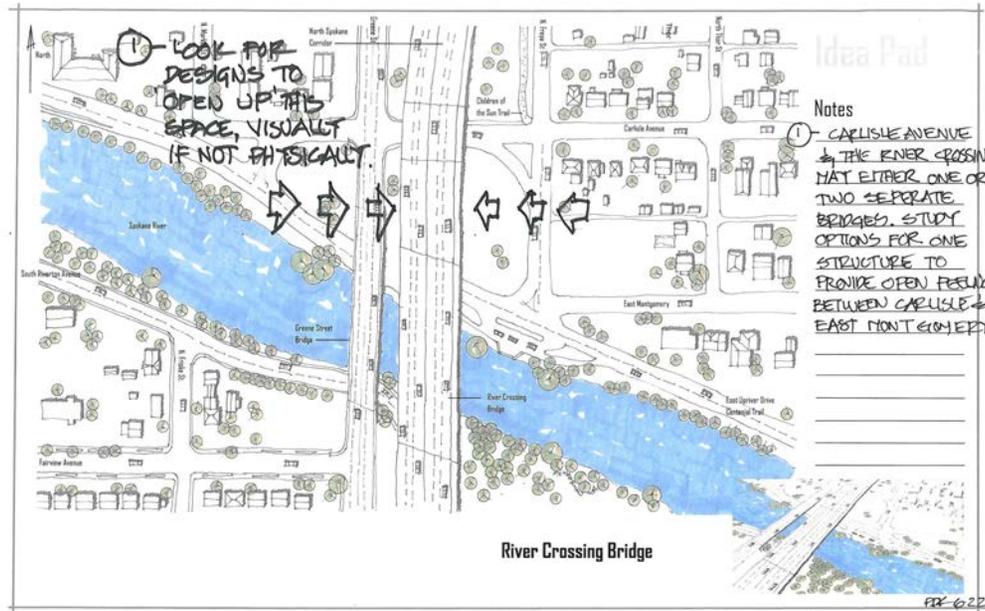


Potential separate Pedestrian Bridge location

River Crossing Bridge  
3D Computer Study Model

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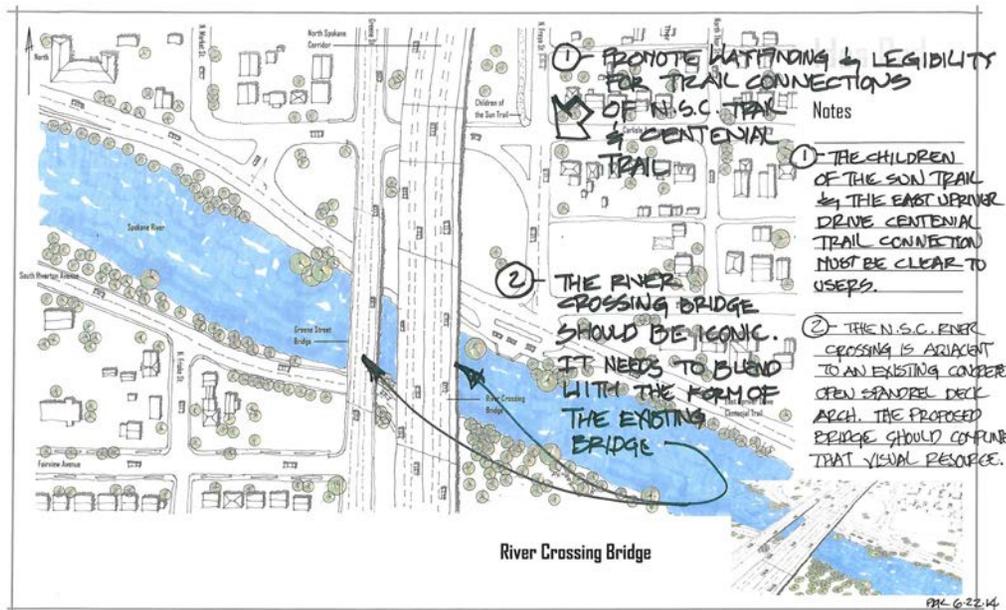
### D.3 Bridge Design

#### Design Objective:

Bridges shall be considered a public monument as well as a functional circulation element and shall be afforded design considerations commensurate with a public work of art.

#### Discussion:

First and foremost, bridges must be designed to be functional in regards to the aspects of vehicular and pedestrian conveyance. The increase in traffic and/or the deterioration of existing bridges may, at some point in the future, make it necessary to build, rebuild, remove and/or replace one or more bridges across the Spokane River. This should only be done with the understanding that these bridges are, or will be, icons for the city and are not just a street that happens to be above the water. They are immensely recognizable, and instrumental in establishing the character of the immediate surrounds.



Comments from the City of Spokane Design Review Board Meeting 1.

## Post Workshop I Design Team Summaries

# Bemiss, Hillyard, Minnehaha, Chief Garry & East Central Neighborhoods

Washington State Department of Transportation Paul Kinderman AIA Sandy Salisbury RLA Darrel McCallum PE Eastern Region Project Engineer 11 2015

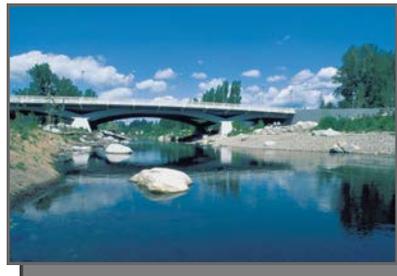
## The River Crossing Recommendations



Blend with the historic Green Street arch concrete bridge. Note that the bridge is eligible to be listed on the National Register of Historic Places.



Provide an iconic river crossing. The design will be influenced by the Secretary of Interiors *Standards for Rehabilitation* where new work needs to be compatible yet differentiated from the historic property.



### AESTHETIC GOALS

Create an iconic river crossing. Enhance trail use.

### AESTHETIC CHARACTER

- Blending with the existing 1955 but not copying, Greene Street arch bridge

# Bemiss, Hillyard, Minnehaha, Chief Garry & East Central Neighborhoods

Washington State Department of Transportation Paul Kinderman AIA Sandy Salisbury RLA Darrel McCallum PE Eastern Region Project Engineer 11/2015

## The River Crossing Recommendations



Create an open feeling space. Provide visibly legible connections to the Upriver Drive Centennial Trail and the Children of the Sun Trail.



Investigate a separate pedestrian and bicycle crossing for the Children of the Sun Trail.

### AESTHETIC GOALS

The potential separate pedestrian bridge should be designed as a meeting place.

### AESTHETIC CHARACTER

- Blending with, but not copying, the existing 1955 Greene Street arch bridge.

# Bemiss, Hillyard, Minnehaha, Chief Garry & East Central Neighborhoods

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## The River Crossing

### Recommendations



Use pines wherever possible to provide corridor continuity.



Design with drought tolerant native grasses for water conservation.



Use lilacs in areas requiring ornamental designs.

### AESTHETIC GOALS

Create a unified landscape design with interesting focal points.

Aide in way-finding to travelers using intersecting major trails.

### AESTHETIC CHARACTER

- Naturalistic
- Seasonally colorful focal points

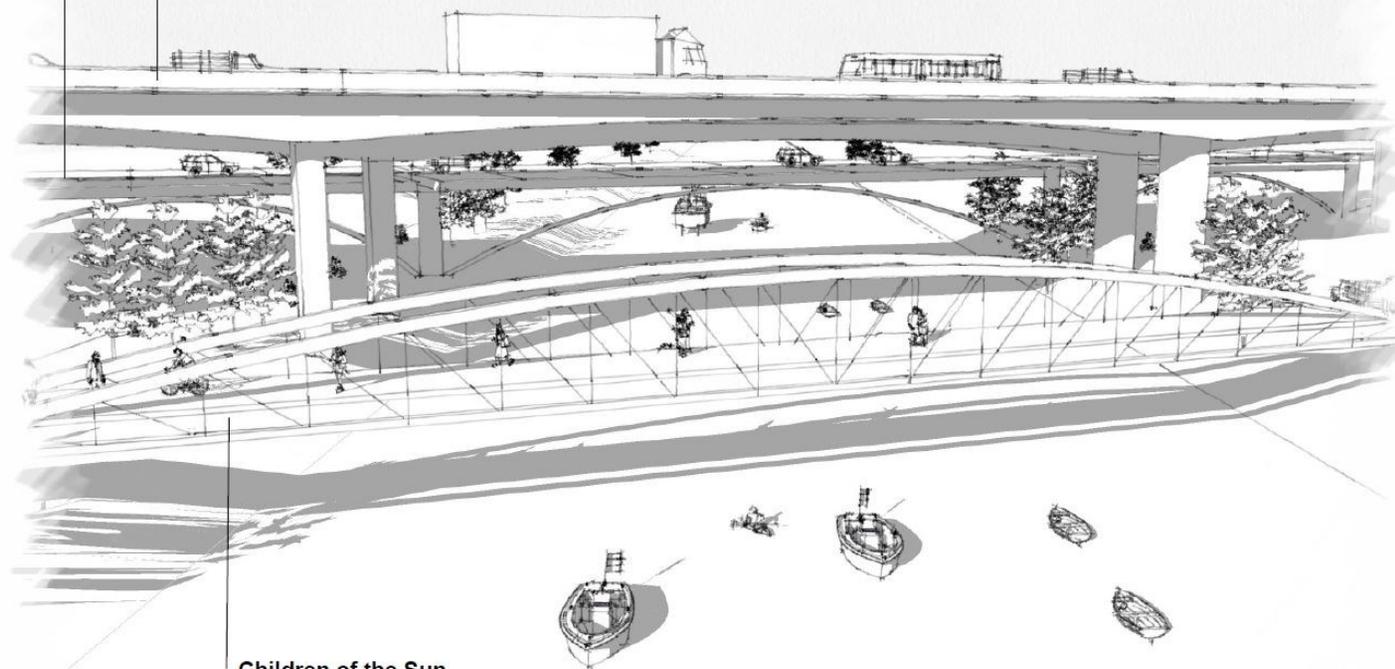
# Bemiss, Hillyard, Minnehaha, Chief Garry & East Central Neighborhoods

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## The River Crossing

Existing 1955  
Greene Street Bridge

NSC Northbound and  
South Bound Bridges



Children of the Sun  
Bicycle-Pedestrian Bridge

Note:

The separate pedestrian bridge is an option. It is currently under consideration in discussions



## Form Study

Separate Pedestrian Bridge

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## The River Crossing



### Form Study

Separated Alignments

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## The River Crossing

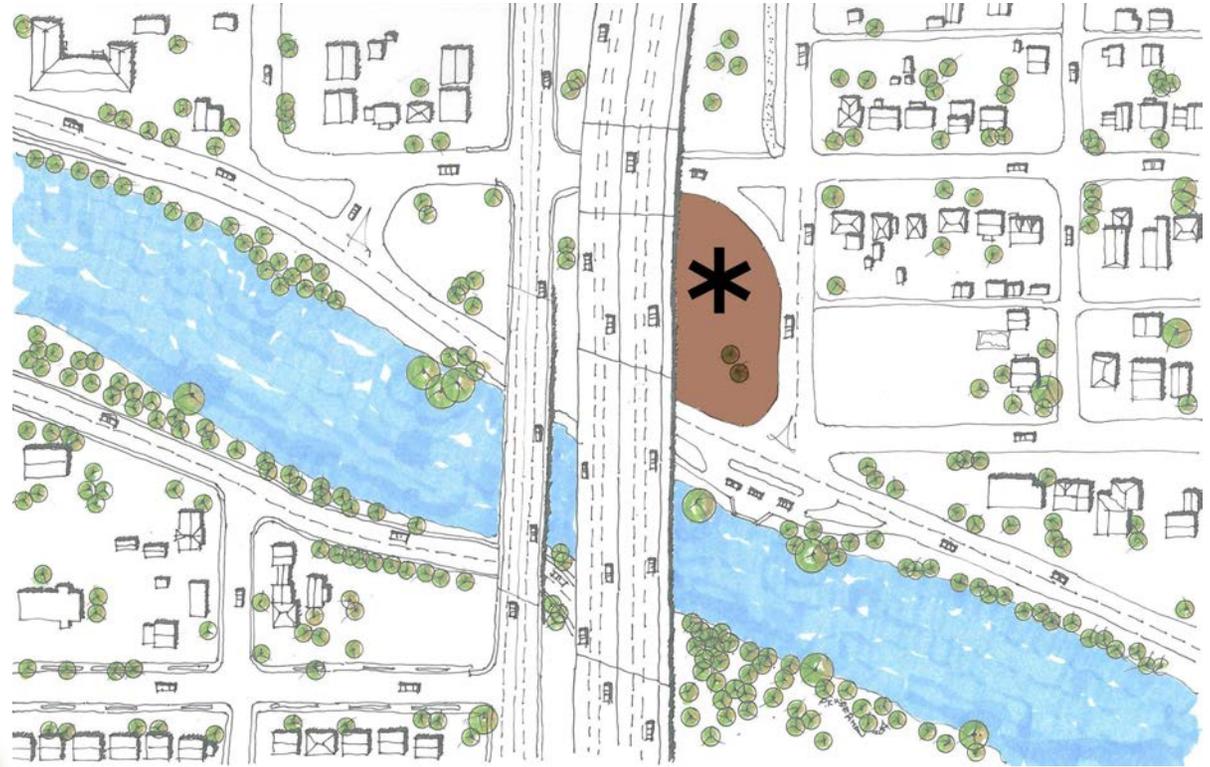
### Landscape Study



Pedestrian connection of Children of the Sun and Centennial Trails



Ponderosa Pines, Native Grasses & Forbs w/ strategically placed rocks for seating



Incorporate Deciduous trees to blend with existing adjacent riparian vegetation

Gently graded swales

Rocks for seating

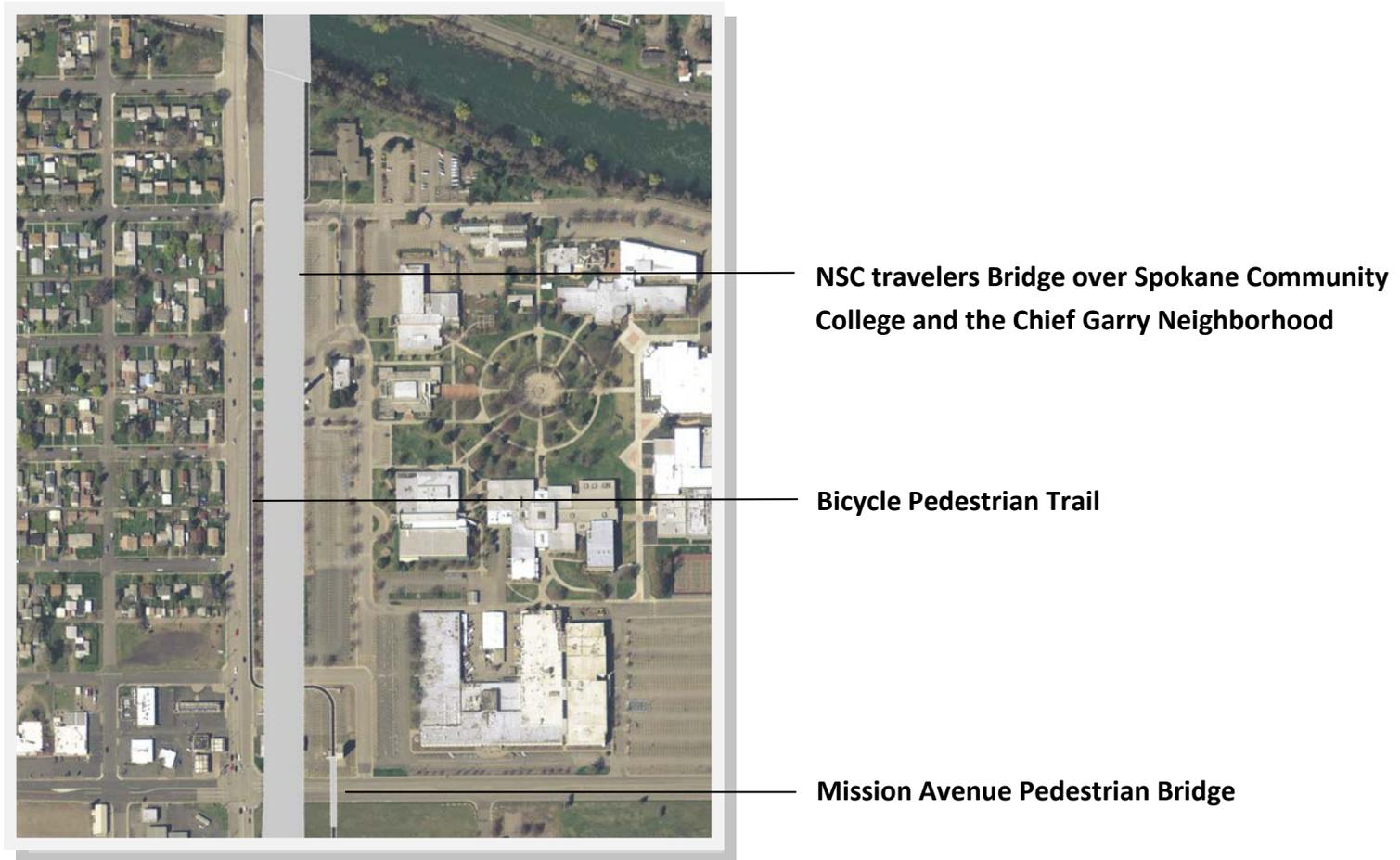
Pedestrian paths and bridge to be determined. Landscape should complement pedestrian circulation.

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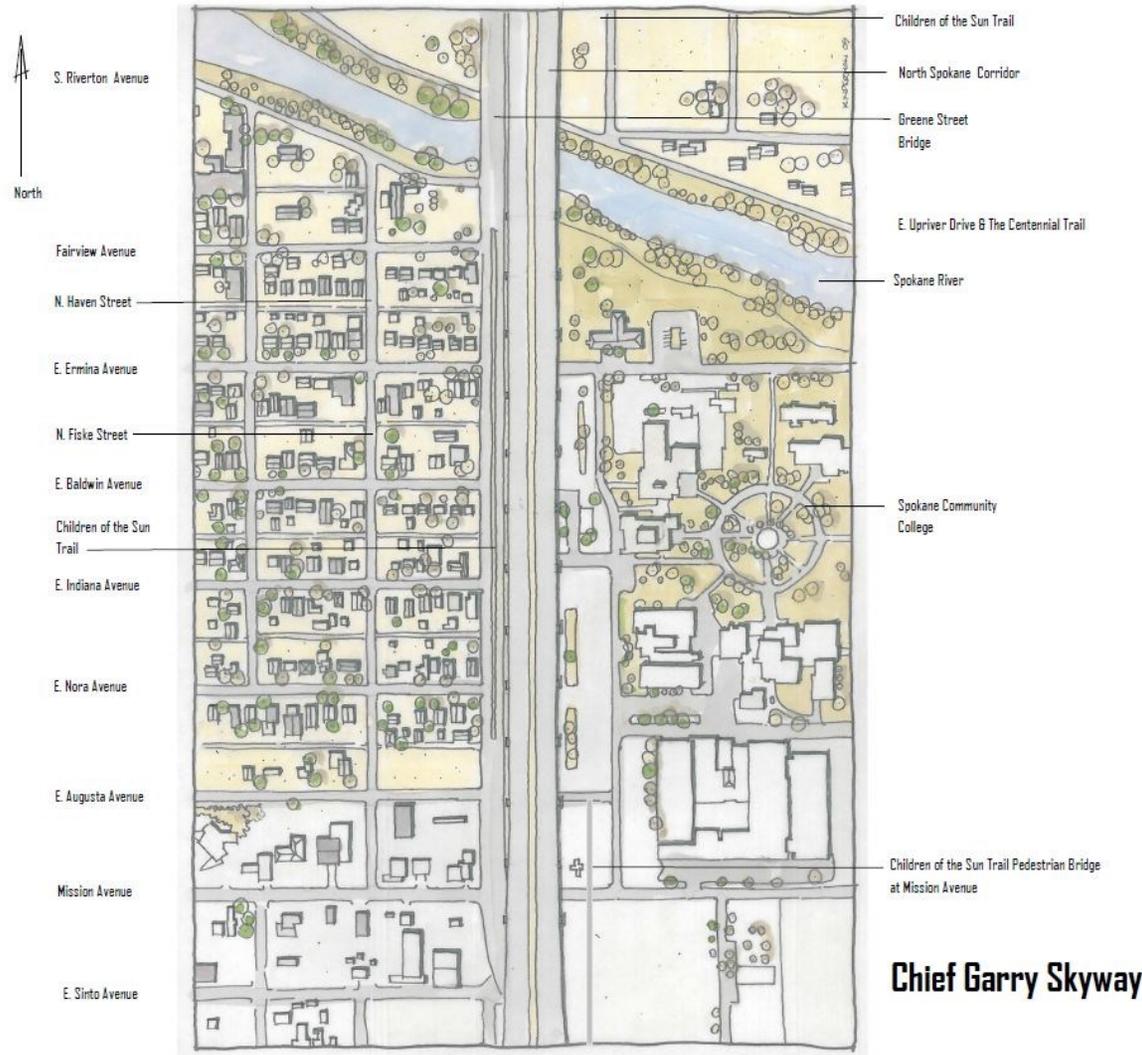
## Neighborhood Locale Design Elements

### The Skyway



# Bemiss, Hillyard, Minnehaha, Chief Garry & East Central Neighborhoods

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**Chief Garry Skyway**

## Idea Pad

### Notes

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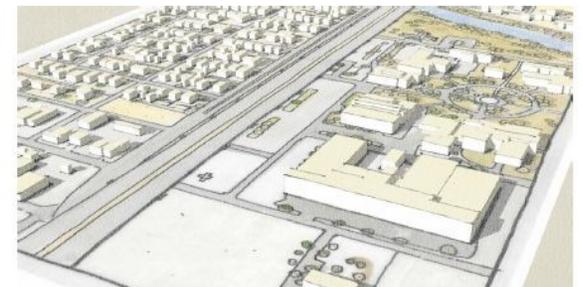
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## Workshop Tool

## Bemiss, Hillyard, Minnehaha, Chief Garry & East Central Neighborhoods

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**Skyway**

**3D Computer Study Model**

# Bemiss, Hillyard, Minnehaha, Chief Garry & East Central Neighborhoods

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**Handwritten Notes:**

- ① NOISE WALLS ON THE WEST SIDE OF THE SKYWAY BRIDGE PROVIDE PUBLIC ART OPPORTUNITIES
- ② REFERENCE THE COLLEGE MASCOT, IN SOME WAY, IN THE STRUCTURE

**Idea Pad Notes:**

- ① A CONTINUOUS NOISE WALL AT THE BRIDGE DECK PROVIDES A CANVAS FOR AN HISTORIC TIMELINE THEME. CONSIDER TEXTURED CONCRETE IN LIEU OF PAINTINGS OR LESS LONG LIQUID MATERIALS.
- ② LOOK FOR WAYS TO INTEGRATE ABSTRACTED "SASQUATCH" DESIGNS INTO THE BRIDGE SUBSTRUCTURE. RECALL CLASSICAL DESIGNS OF CARATIDS AND ATLAS FIGURE FOR INSPIRATION.

**Labels:** S. Swanton Avenue, North Spokane Corridor, Greene Street Bridge, E. Spruner Drive & The Centennial Trail, Spokane River, Spokane Community College, Children of the Sun Trail, Children of the Sun Trail Pedestrian Bridge at Mission Avenue, Chief Garry Skyway.

**Image:** 3D architectural rendering of the bridge structure.

**Signature:** PRK 6/22/14

**Handwritten Notes:**

- ① THE COLUMN CONFIGURATION SHAPE AND LOCATIONS NEED INTEGRATION WITH CHIEF GARRY NEIGHBORHOOD
- ② PROVIDE UNIQUE & VIVID PEDESTRIAN CROSSING

**Idea Pad Notes:**

- ① PROVIDE INTERESTING, HIGH QUALITY BRIDGE DESIGN FITTING FOR NEIGHBORHOOD. PROVIDE TYPE, SIZE & LOCATION REPERT TO IDENTIFY MOST FEASIBLE STRUCTURAL FORM. THEN INTEGRATE ARCHITECTURAL & ENGINEERING DESIGN EARLY IN THE PROCESS, SO THAT AESTHETICS IS NOT AN 'AFTER THOUGHT.'
- ② PROVIDE HIGH QUALITY PEDESTRIAN BRIDGE. CONSISTENT WITH OTHER N.S.C. DESIGNS.

**Labels:** S. Swanton Avenue, North Spokane Corridor, Greene Street Bridge, E. Spruner Drive & The Centennial Trail, Spokane River, Spokane Community College, Children of the Sun Trail, Children of the Sun Trail Pedestrian Bridge at Mission Avenue, Chief Garry Skyway.

**Image:** 3D architectural rendering of the bridge structure.

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## Post Workshop I Design Team Summaries

# Bemiss, Hillyard, Minnehaha, Chief Garry & East Central Neighborhoods

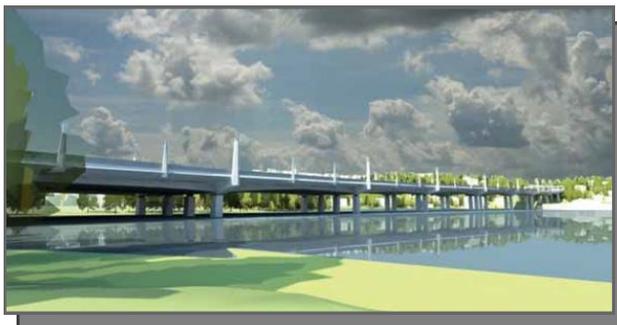
Washington State Department of Transportation Paul Kinderman AIA Sandy Salisbury RLA Darrel McCallum PE Eastern Region Project Engineer 11 2015

## Skyway

### Recommendations



The skyway bridge should have elements rising above the roadway deck to promote place making.



### AESTHETIC GOALS

Create a second gateway, after Francis Avenue, for southbound NSC travelers entering the city.

### AESTHETIC CHARACTER

- Modernistic
- Expressive of the nobility of technology and Industry

# Bemiss, Hillyard, Minnehaha, Chief Garry & East Central Neighborhoods

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## Skyway

### Recommendations



Bridge columns should be well detailed beyond the level typical of standard highway bridges.

Capitalize on the rhythmic nature of the column spacing.



### AESTHETIC GOALS

Create an entryway to the college with useable public space beneath the bridge.

### AESTHETIC CHARACTER

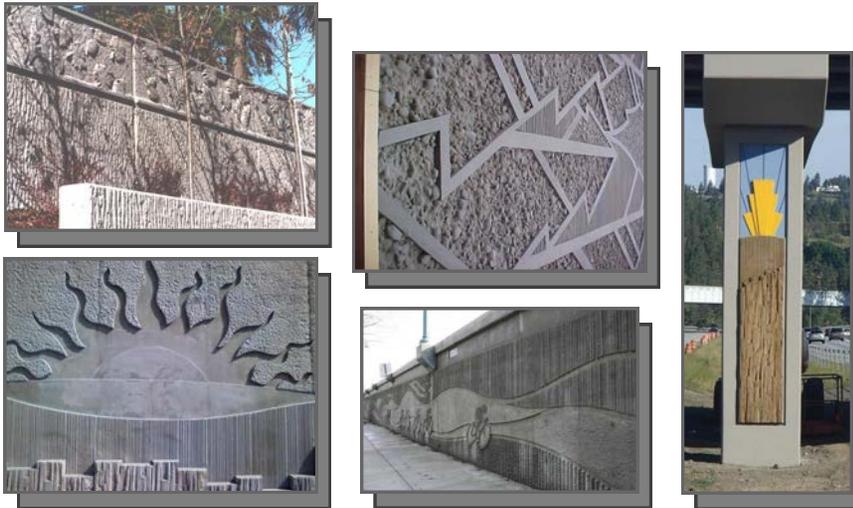
- Modernistic
- Expressive of the nobility of technology and education.

# Bemiss, Hillyard, Minnehaha, Chief Garry & East Central Neighborhoods

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## Skyway

### Recommendations



Provide opportunities for public art on neighborhood side of the Skyway bridge traffic barrier.

The traffic barrier may be used for a continuous historic mural. They should be cast into the concrete to provide deep relief, not simply painted on.

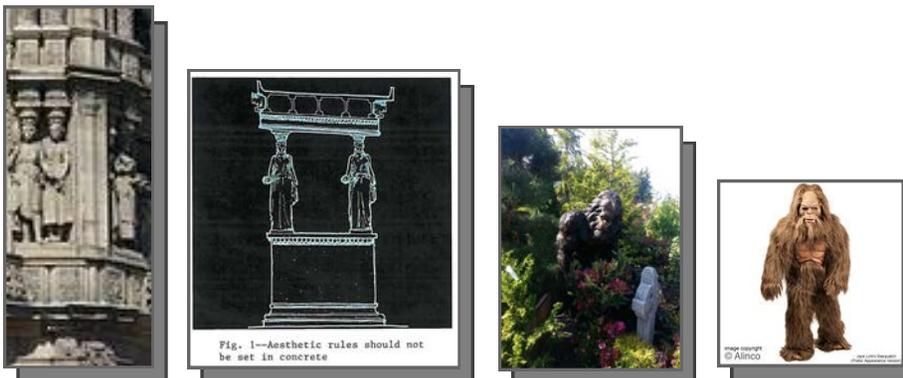


Fig. 1—Aesthetic rules should not be set in concrete

Recall the college mascot, the Bigfoot, in opportunities for public art.

### AESTHETIC GOALS

Create an opportunity for a public art mural in the bridge barrier facing east toward the Chief Garry neighborhood.

### AESTHETIC CHARACTER

- Modernistic

# Bemiss, Hillyard, Minnehaha, Chief Garry & East Central Neighborhoods

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## Skyway

### Recommendations



The pedestrian bridge at Mission Street should be vivid. It should act as a gateway to the college as well as a way-finding element in the landscape.



### AESTHETIC GOALS

Create a unique pedestrian crossing at Mission Street.

Signify the college location by taking advantage of long views looking east from Mission Street.

### AESTHETIC CHARACTER

- Modernistic
- Hightech

# Bemiss, Hillyard, Minnehaha, Chief Garry & East Central Neighborhoods

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## Skyway

### Recommendations



Plant the roadside with pines to provide corridor continuity and blend with Spokane's natural landscape.



Use native grasses wherever possible to conserve water.



Design ornamental areas using lilacs. Recall that Spokane is 'the Lilac City'.

### AESTHETIC GOALS

Create a unified landscape design with interesting focal points.

### AESTHETIC CHARACTER

- Naturalistic
- Seasonally colorful focal points

# Bemiss, Hillyard, Minnehaha, Chief Garry & East Central Neighborhoods

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## Skyway



Pedestrian gateway entrance to the college campus.

The perspective view shows the school mascot in column insets.

The bridge deck above creates a sheltered feeling at the sidewalk level.



Elevation View looking north from Greene Street to the college entrance.

## Character Study

Columns under bridge soffit.

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## Skyway



Landscaping will be determined as the design proceeds.

Elevation View looking north from Greene Street to the college entrance.

All of the columns have heavy strong bases. These provide a visual anchor.

Additionally, the college will use spaces for parking and other functions. The bases will provide maintainable elements.

## Character Study

Columns under bridge soffit.

# Bemiss, Hillyard, Minnehaha, Chief Garry & East Central Neighborhoods

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## Skyway



NSC bridge barrier is an opportunity for the mural.



Mt. Vernon Community College Art Professor and students sculpted bridge elements a few years ago. Consider this production method for Chief Garry mural.

### Discussion:

The Chief Garry side of the bridge traffic barrier may feature a stylized first nation narrative mural of the myth of the bigfoot.

Consider college student production with local artists.



## Character Study

First Nation Narrative