



## Project Overview

The cities of Sacramento and West Sacramento are beginning the process of building a new low-level, “neighborhood friendly” bridge across the Sacramento River. The new bridge will provide a new connection across the Sacramento River, between the Sacramento Railyards and the West Sacramento Washington Neighborhood planned developments, and will serve automobile, bicycle, transit, and pedestrian users. The existing I Street Bridge’s lower deck will continue to serve as a railroad crossing, and the upper deck is currently being studied and planned for use by pedestrians and bicyclists.



*Lead Architect, Noel Shamble, T.Y. Lin International, presents an overview of the four bridge design concepts.*

In October 2018, T.Y. Lin International was selected to join the Mark Thomas and Company project team to provide the architectural design for the I Street Bridge Replacement project. The design process will take place over the course of one year, with three in-person community workshops and two virtual community workshops at key milestones.

## Design Process

The project team unveiled nine design concepts at the first community workshop in March 2019 as well as a virtual community workshop in April. Based upon feedback received from the ad hoc design advisory and selection committees and the public, the project team narrowed the design concepts to four and refined the remaining four concepts.



*Gladys Cornell, AIM Consulting, discusses the design concepts with community members.*

The second community workshop took place on Wednesday, July 10<sup>th</sup>, from 6:00 – 7:30 p.m. at Riverwalk Park in West Sacramento. Lead architect, Noel Shamble, presented an overview of the revised design concepts. After the concept overview, attendees visited information stations to review the summary of findings derived from the previous stakeholder and public engagement as well as the four updated bridge design concepts; the public also were asked to provide input on key design elements. Participants were provided opportunities to contribute their ideas through interactive board displays, one-on-one discussions with project team members, and a workshop guide that served as a feedback form.

Following this community workshop’s input, the architect will narrow down the concepts and begin adding additional elements to the project such as riverbank landscapes, lighting, and the operator house. Towards the end of the process, the architect will have considered all community input and narrowed the four concepts down to two full design options. Finally, after the third community workshop and a final online workshop, the final



design will be selected based upon feedback from the community and the ad hoc design advisory committee feedback, as well as specific technical requirements.

## Community Workshop Format

More than 190 community members attended the workshop, which was organized in an open house format with a series of information stations around the base of Riverwalk Park. A brief presentation began at 6:30 p.m. City of Sacramento Project Manager Jesse Gothan welcomed attendees and lead architect Noel Shamble gave a short presentation about the design process and four revised design concepts.



Zach Siviglia, Mark Thomas, discusses the bridge design concepts with residents.

Attendees were encouraged to visit the information stations and provide their input on board displays. Attendees were given dots and a workshop guidebook that walked them through each station, complete with information about the design concepts and opportunities to provide specific input on each concept and other materials. Guidebooks included a series of questions regarding design elements and prioritization of bridge elements. Participants were asked to complete the questionnaire and return them at the end of the event. Participants were also allowed to mail or fax the completed questionnaire to the project team.

## Information Stations

All boards presented at the public workshop can be found in the appendix of this summary.

### Station 1: Project Overview

#### Informational exhibits

- Project information
  - This board presented the project’s vision statement, a map overview of the project’s alignment, and existing / proposed bridge cross sections.
- Project schedule & funding
  - This board presented the anticipated project schedule for the new I Street Bridge, through construction. It will also share the total project cost, as well as existing and future potential funding sources that are needed to construct the new bridge.

**About the Project**

The new I Street Bridge will be a multipurpose civic icon that offers a seamless extension of both sides of the river and reflects the values and characteristics of its surrounding community.

**Overview**

**Cross Sections**  
Existing Bridge Cross Section

**Proposed Bridge Cross Section**

**Project Funding**

The cities of West Sacramento and Sacramento have agreed to share the local expenses associated with constructing and delivering the project. This includes federal matching requirements and other non-federally eligible expenses.

Total project construction and delivery costs for the new bridge are estimated at \$150-250M. The cities have identified approximately \$138M in state and local funding, and are continuing to seek additional funding sources.

**Cost Categories**

Low	\$150 - 180M Thru. Spring
Medium	\$180 - 250M Garden, Solar

**Project Schedule**

2019: Project Approval & Environmental Document (P/AL/TS)

2018-20: Final Design

2021-23: Construction

PUBLIC PARTICIPATION

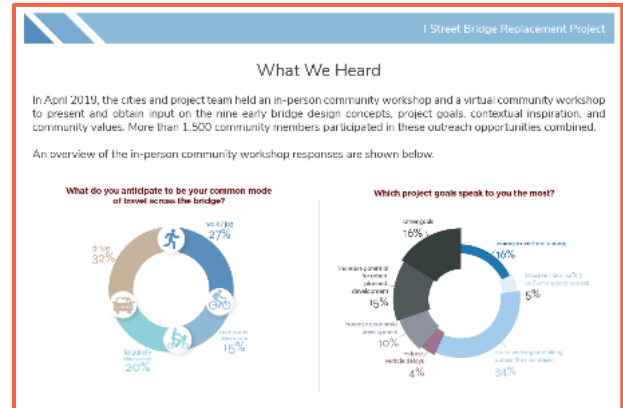


## Station 2: What We Heard

### Informational exhibits

The following boards presented an overview of the community input obtained through the previous in-person and virtual workshops, regarding specific community values as they relate to the new bridge design.

- Goals & mode of travel
  - What do you anticipate being your common mode of travel across the bridge?
    - *32% of participants stated that **driving** would be their most common mode of travel, and 27% said **walking or jogging**.*
  - Which project goals speak to you the most?
    - *34% of participants stated that **'making it easier to walk or jog across the river'** is a top goal for them.*



- Community values
  - User experience: This board shared responses to: “How do you envision your main use of the bridge?” Answer options included: quick travel, moving directly across the river or slow travel, taking time to stop and enjoy the river scenery.
    - *67% of participants stated that **slow travel** would be their main use across the bridge.*
  - Sustainability: This board shared responses to: “How important is it that the bridge uses and/or shows sustainable principles?” Answer options included: not important or very important, use sustainable materials and alternative energy technologies where possible.
    - *95% of participants stated that sustainability is **very important** to them.*
  - Design style: This board shared responses to the prompt, “What overall design style do you prefer?” Answer options included: simple and streamlined or elaborate and spirited.
    - *70% of participants prefer a **simple and streamlined** design style.*
  - Civic icon: This board shared responses to: “When seen from the surrounding area, what type of design do you want to see?” Answer options included: highly visible and stands out or understated and blends in.
    - *70% of participants prefer a **highly visible** icon.*





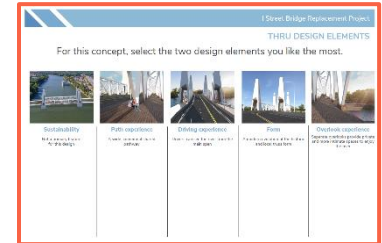
## Station 3: Thru

### Informational exhibits

- Thru Concept Rendering
  - This board presented an updated rendering of the Thru concept.

### Interactive exhibits

- Preferred Design Elements
  - This board display asked community members to choose the top two design elements they like about the Thru concept.



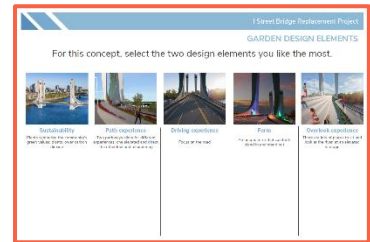
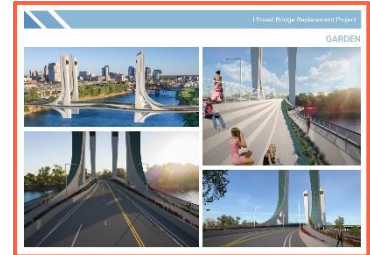
## Station 4: Garden

### Informational exhibits

- Garden Concept Rendering
  - This board display presented an updated rendering of the Garden concept.

### Interactive exhibits

- Preferred Design Elements
  - This board display asked community members to choose the top two design elements they like about the Garden concept.



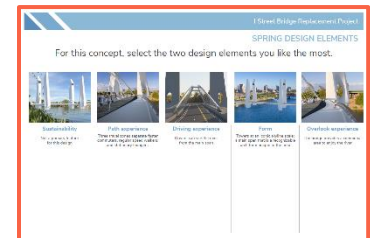
## Station 5: Spring

### Informational exhibits

- Spring Concept Rendering
  - This board display presented an updated rendering of the Spring concept.

### Interactive exhibits

- Preferred Design Elements
  - This board display asked community members to choose the top two design elements they like about the Spring concept.





### Station 6: Solar Arch

#### Informational exhibits

- Solar Arch Concept Rendering
  - This board display presented an updated rendering of the Solar Arch concept.

#### Interactive exhibits

- Preferred Design Elements
  - This board display asked community members to choose the top two design elements they like about the Solar Arch concept.



### Station 7: Other Design Elements

#### Interactive exhibits

- Preferred Design Elements
  - This board display asked community members for input on their preferred design elements. They were asked to choose their top favorite answer only, for each of the design element categories. The categories included: plants on the main lifting span of the bridge, materials, shade, and aesthetic lighting.



### Station 8: I Street Deck Conversion

#### Informational exhibits

- Project information
  - This board presented an overview of the I Street Deck Conversion Project and its anticipated timeline.





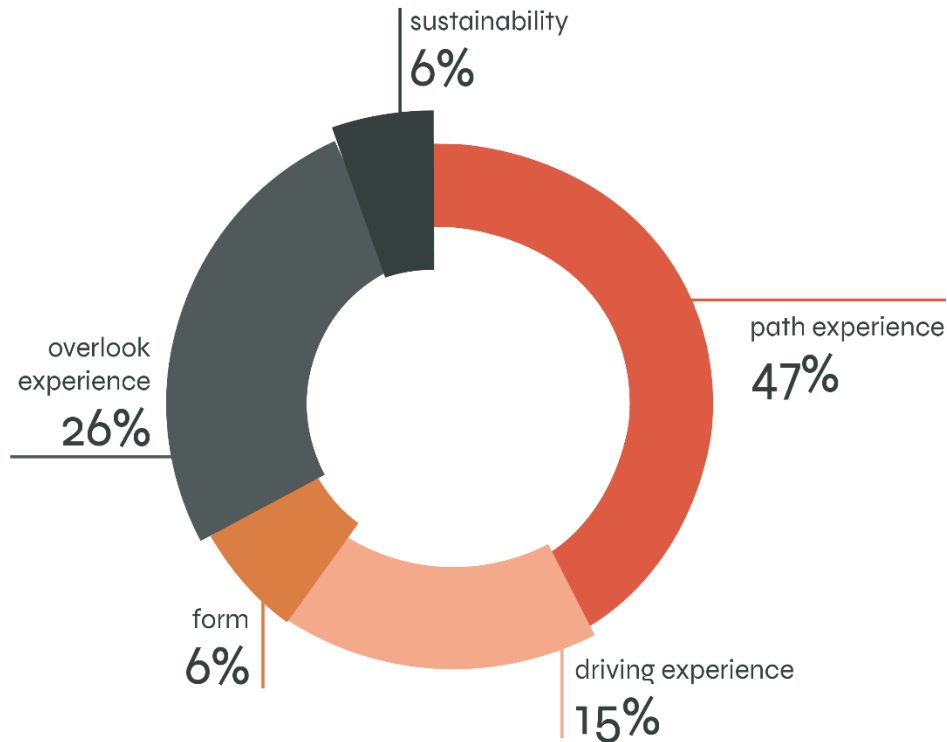
## Community Input

### Board Displays and Workshop Guidebooks

Community input was provided through design concept board displays and the event guidebooks. The feedback received from both was combined and is represented in the following graphs. For each concept, community members were asked why which design elements of the concept were most important to them; those answers are reflected under each design element.

### Thru Concept

For this concept, select the two design elements you like the most.



- **Sustainability:** *Not a primary feature of this design*
  - Incorporating landscape / material reduction is important.
- **Path Experience:** *A wide, communal shared pathway*
  - Encourage public space.
  - Access improvement between cities.
  - Activate the river front.
  - Walking both riverfronts would be great. The transition should be seamless.
  - Bikes and pedestrians – will they use it during hot summers and cool winters?
  - A broad, open path is welcoming.
  - Creates more space for community.
  - Easier commuting.
  - Encourages multimodal use. As a pedestrian or cyclist, I would feel safe.
  - Experience walking across bridge.
  - Good for joggers & pedestrians of different speeds.



- I love to walk. This looks wide and open.
- I plan on using this as a bikeway.
- I will use the bridge as a pedestrian or cyclist most often.
- Make it nice for pedestrians and bicyclists.
- Sense of safety & ease will welcome both foot and bike traffic.
- Shady and wide.
- Share and accommodate all with safety considerations in mind.
- Build this so people can enjoy the area and Sacramento river more and attract more visitors to Sacramento which will increase economic productivity and encourage people to move between Sacramento and West Sacramento.
- Since this structure leads visitors over the bridge I suggest a substitute for a wood deck.
- The more enjoyable, the more it will be used.
- The wide pathway is like a boardwalk.
- Walk / Bike between the truss seems separated from traffic and safe.
- Wide, but not sure about communal, but bike lanes, on the road makes me like the communal as well.
- Wood, steel, and shaded.



Noel Shamble, T.Y. Lin, presents the bridge design concepts.

● **Driving Experience:** Drivers can see the river from the main span

- Access is needed.
- Allow travelers to see the river as a resource.
- Driving is efficient.
- I mainly would use the bridge for driving.
- I plan to drive most often.
- If the main purpose is thru traffic, then driving should be a priority.
- Open to River and open above.
- The view for drivers can be distracting.
- The bridge will be high traffic with all of the new construction planned.



Community members gather for the bridge concept presentation.

● **Form:** A modern evolution of the historic and local truss form

- Adds consistency to the Tower Bridge.
- It will be easy to stay out of the flow of traffic when standing. Attractive, but blends into surroundings.
- Fits in with the local bridge design.
- I like the blending of old and new.
- I like the clean and simple design.
- I like the way the form reflects the tower bridge.



- It is striking and simple.
- New Sacramento / West Sacramento landmark.
- Something to brag about but in style with the area.
- Statement – like the sundial bridge.
- **Overlook Experience:** *Separate overlooks provide private and more intimate spaces to enjoy the river*
  - Amazing views of the river deserve an overlook.
  - Because this opens up other design elements shown in some of the other concepts.
  - Capitalizes on the scenic city focal point.
  - Connects people to the river.
  - Cool view – nice for dates.
  - Encourages outdoor activity.
  - Engages the community.
  - Enjoy the river and wildlife.
  - Feels accessible and interacts with surrounding nature.
  - Great for bat watching, helps us experience the river & wildlife in Sacramento.
  - Great opportunity to look up and down the river with pedestrian turnouts.
  - Hanging out over river is nice!
  - I like to see the river off the main pathway.
  - Invites locals and tourists – an enjoyable destination.
  - It will create more of a "let's meet at I street" culture for the bridge.
  - Lookouts encourage people to see the bridge as a destination.
  - Looks inviting.
  - Nice to have space to view the river.
  - Offers a place for people to congregate and be closer to the water.
  - People walking or biking can enjoy views without interfering with traffic.
  - river connection
  - same reason
  - Separate off-communal path overlook space
  - The look is very important to me
  - The river is one of Sacramento's best features.
  - the river is part of our identify and makes Sac/ West Sac special
  - The walkers will like the overlooks
  - To view bat flyouts and purple martins and salmon migrations.
  - A unique tourist attraction.



*Nicole Porter, AIM Consulting, discusses the design concepts with community members.*



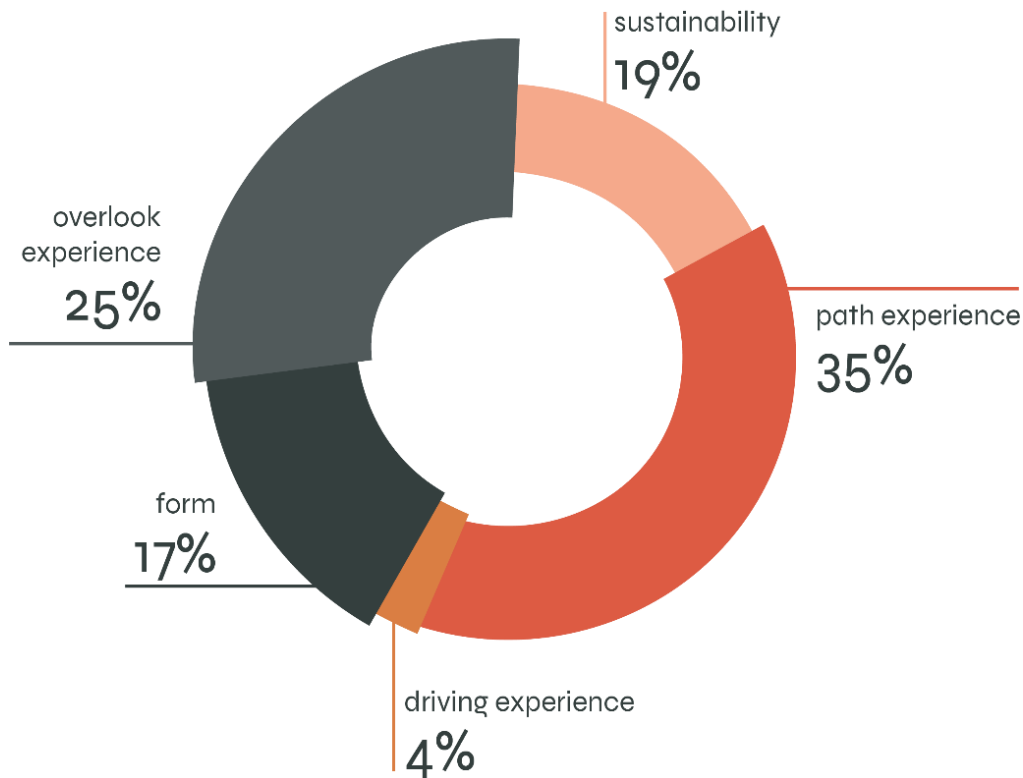
*Noel Shamble, T.Y. Lin, discusses the design concepts with a community member.*





*Garden Concept*

For this concept, select the two design elements you like the most.



- **Sustainability:** *Plants symbolize the community's green values: plants lower carbon dioxide*
  - Agriculture is a large part of our state.
  - As the capital of California, we should be leaders of sustainability and innovation.
  - Encourage mixed-use with wildlife and support the river resource.
  - I feel we need to lower our carbon footprints whenever possible.
  - It's important to see if greenery can be part of a bridge element.
  - Lowering our carbon footprint.
  - Most important to me
  - Our planet.
  - Plant attractive, native California Plants that attract insects, which will then attract bats, birds, and fish.
  - Sustainability is a value and our future.
  - The novelty of plants on a bridge is attractive & unique. Makes a hot and dry summer in Sacramento feel alive.
- **Path Experience:** *Two pathways allow for different experiences: one elevated and direct, the other low and meandering*
  - Activate the riverfront.
  - Alternative transportation is important.
  - A direct commuter pedestrian path is important for making West Sacramento feel accessible and included.



- Beautification and enjoying the views / scenery.
- Better for walking.
- Can this be set on one side of bridge and incorporate the plant aspect? We need to separate folks by their needs of use on this bridge.
- Ease of access between Sacramento and West Sacramento.
- Helps keep pedestrians clear of traffic.
- I do not like this concept, but the elements I like are landscaping and stadium seating.
- I like the incorporation of plants but am not a fan of the steps for sitting.
- I love the idea of the two experiences.
- It encourages people to exercise and walk on the bridge and enjoy the surrounding area. This will create easy access between Sacramento and West Sacramento where people can walk rather than drive.
- I like the dual levels.
- Love the greenery and plant color.
- Offers variety and choice and opens to the river.
- Pedestrian and bikeway make for two nice cities.
- Separate from roadway creates a safer travel experience.
- This will create a unique experience for a bridge, including making it a tourist attraction.
- Two pathways are a great idea – kids will love it.
- Upper and lower paths create a unique pedestrian experience with views.
- **Driving Experience:** *Focus on the road*
  - The purpose of the bridge is to move people from one side of river to other.
  - Creates functionality as the Railyards grow.
- **Form:** *A unique form that can both blend in and stand out*
  - A new icon for the area.
  - Aesthetically pleasing.
  - Eye catching.
  - I hope it's beautiful; the Tower Bridge is beautiful but not graceful.
  - Love the look of the piers and the shape of the bridge.
  - Love the swooping form dynamic sense of heavy and light.
  - Make a statement.
  - Make the river look unique.



*West Sacramento City Councilmember, Martha Guerrero, speaks with the media about the new design concepts.*



*Community members watch the presentation of the bridge design concepts.*



- Moves in the direction of iconic.
- Sleek, clean, functional, but looks too much like the Tower Bridge.
- Swooping curves are nice.
- Will be an art piece for the Cities of Sacramento and West Sacramento.
- **Overlook Experience:** *There are lots of places to sit and look at the river, at an elevated vantage*
  - Ability to relax & enjoy experience.
  - Activate the riverfront.
  - Connect people to the river.
  - Engage the community with the Railyards and Waterfront.
  - Enjoy the river.
  - Feels very intimate next to the river.
  - Good place to relax.
  - Great for viewing the river and wildlife (bats).
  - Great place to watch fireworks and observe the cityscape (if it faces South!)
  - I like the theatre sitting. It allows people to sit on the bridge and enjoy the environment at different point.
  - It is designed for the overlook.
  - It will enhance the walkability culture for both cities.
  - Lots of space for small classes and group activities (like an art class).
  - Most welcoming for sitting creating a possible destination.
  - Multiple overlooks include two paths (path exp.), and plants, and the form allows for it.
  - Need to include shade for sitting areas.
  - Nice destination with seating and viewing opportunities.
  - Recreation opportunity.

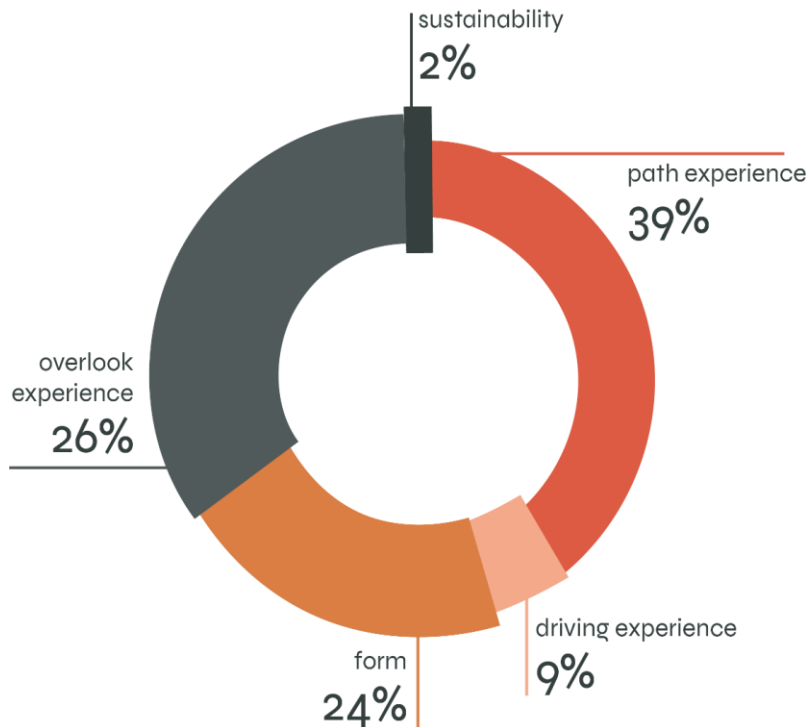


*Community members provide their input on board displays.*



*Spring Concept*

For this concept, select the two design elements you like the most.



- **Sustainability:** Not a primary feature for this design
  - Focus on this later and keep the money to maintain or upkeep the new bridge.
- **Path Experience:** Three travel zones: separate faster commuters, regular speed walkers, and stationary loungers
  - 3 travel zones are ideal!
  - Activate the riverfront.
  - As a JUMP cyclist and scooter-rider, I am appreciative of a clear path to scoot and bike.
  - Bike commuting is my top priority. Having different zones for different speeds makes a better experience for all.
  - Creates more of a variety of experiences and increases enjoyment for more types of travel
  - different zones.
  - Ease of commute.
  - Encourages multiple ways of transportation.
  - Encourages people to walk and exercise; provide a nice place to do so.
  - Get people out of cars into the outdoors.
  - Good for sharing the road.
  - Good idea to separate pedestrians from bicyclists.
  - Good walking and biking paths.
  - helps separate bikes and peds, scooters
  - I like the multi-user aspect of separated paths.
  - I like the wider path and varied path materials.



- I think the primary target will be pedestrian and bicyclists, so focusing on their experience is important.
- If a separated path under the cables could work, that would be great.
- It may promote more usage of alternate transit.
- It will be beneficial to all commuters.
- Lower stress commute that will maximize enjoyability.
- Pedestrian friendly.
- Safe passage for many modes of transportation.
- Separate bike/jog and walking paths.
- Three travel zones are awesome; this maximizes recreation and pedestrian travel.
- Wider paths accommodate all.



*Community members provide their input through the meeting guidebooks.*

- **Driving Experience:** Drivers can see the river from the main span
  - Allows drivers to be excited driving their commute.
  - Driving experience is important.
  - It's nice for drivers to see the river.
  - Share and accommodate the whole space with safety components.
  - Simple, low-stress commuting.
  - The angled thin elements are dynamic.
- **Form:** Towers at an iconic skyline scale: a main span that is a recognizable arch form unique to the area
  - Adds interest to the existing skyline.
  - Arching together the towers frames each City's views.
  - Artistic, clean, and dramatic.
  - I do not like the way this design looks, at all.
  - I like the cable arch, it's open for pedestrians because of the slanted cables. The Towers are too big for the structure, they can be much smaller.
  - I think the arch is a nice complement to the towers.
  - I think the columns are too strong – too modern – but I like this form the best.
  - Impressive – simple but dynamic and uniquely different.
  - I like the arch.
  - Modern, sleek, attractive and a signature statement.
  - Must make people want to see the river.
  - Tall towers will match the skyline.



*Community member provides their input through the meeting guidebook.*

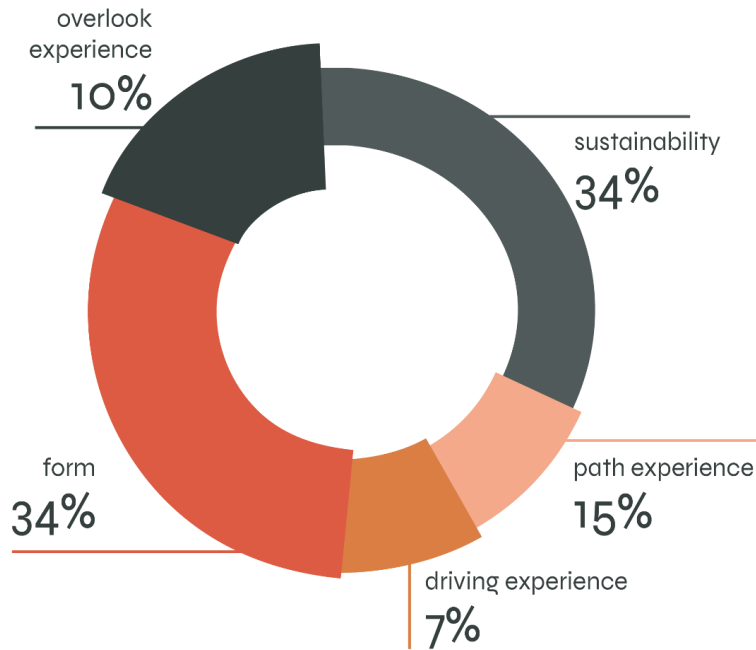


- The bridge will become an icon to West Sacramento and Sacramento, like Golden Gate bridge in San Francisco. It is beautiful and will make the Sacramento area famous and draw people to our city to enjoy it. This will bring a lot of economic advantages.
- **Overlook Experience:** *The bridge provides a communal area to enjoy the river*
  - A place that cannot be passed by.
  - Communal space that connects to the river.
  - I like the design of structure over the roadway – the bridge creates a sense of community and a space to stop and enjoy the river.
  - Optimizes the river view opportunity.
  - Seems like pedestrians and bicycles should be inverted.  
Think boardwalk and amphitheater.
  - This is important to have a great mix of experiences while separating traffic.
  - Tourist attraction.
  - View of the river city skyline, and wildlife (bats).
  - Unique viewpoint / hangout.
  - Wildlife Viewing.



*Solar Arch Concept*

For this concept, select the two design elements you like the most.



- **Sustainability:** A flagship statement for renewable energy; working photovoltaic panels give energy back to the grid
  - A lovely statement of sustainability for the two areas that connect.
  - Added bonus and better for environment.
  - Amazing! Great way to generate energy!
  - Depends on cost, integrated or cheaper solar implementations could be a thought.
  - Does it produce a significant amount of power?
  - The dual purpose supports a lower environmental footprint.
  - I like the solar panels and design.
  - Innovation and design are great opportunities to pioneer this new project.
  - It is important to lower carbon footprints and use renewable energy.
  - Keep it simple and easily maintainable.
  - Love that we are incorporating “green” concepts.
  - Love the idea of making energy!
  - Makes a statement that solar is important in Sacramento and West Sacramento.
  - Must be maintainable – this may be hard to keep clean.
  - Responsible, but expensive.
  - Saving money in the long run.
  - Sends a forward-thinking, sustainability-focused message.
  - Sets Sacramento apart from other cities, especially with the Science Museum nearby.
  - Solar can pay for the electricity to operate bridge.
  - Solar panels are the best part of this design.
  - This is great but the others are minimal.



- Unique nature of the new bridge.
- We are looking into the future for next decades. It reflects what the trend of our time years later. We will be proud we are so forward thinking and promote renewable energy.
- Well-integrated into the design.
- **Path Experience:** *A wide, communal pathway is streamlined with minimal amenities*
  - Activate the riverfront.
  - Bike and pedestrian access is important.
  - Get people out of cars.
  - Having a dedicated, safe bike lane is very important, but other pedestrian amenities don't need to be complicated.
  - I like the separated path with landscaping.
  - I liked the curved path.
  - The separation from traffic will create a sense of safety and the landscaping element is inviting.
  - Wide path to reflect the view of the river.
- **Driving Experience:** *Focus on the road; the driver's view is slightly obstructed by the main span structure*
  - A dramatic vista/ structure when entering the bridge would look nice from the road.
  - Safety should be a main factor.
  - This should be road focused.
- **Form:** *A grand, immediately recognizable icon for the city and region*
  - Clean lines, smooth.
  - A new icon for our area.
  - Best and most iconic form with the large arches.
  - Brings attention to the river; encourages regular use.
  - By far the most attractive design. Striking and echoes the curves of river.
  - Creates a memorable landmark and focal point.
  - Elaborate design would make it stand out in California.
  - Graceful and lovely design.
  - Heightens the sustainability focus and is a nice addition to the skyline.
  - I like the focus to be on Tower Bridge, I would prefer a less bold form.
  - I love the iconic shape.
  - Interesting, novel, dramatic.
  - It's unique and easily recognizable.
  - Landmark artistry.



Community members provide their input through the concept boards.



Community members provide their input through the concept boards.





- I like the arch but do not like the asymmetrical spine.
- Sacramento needs more recognizable icons. What a great opportunity.
- It does look good, but is not user friendly
- The form looks too big and heavy for the river.
- The gateway design provides a great from of Sacramento and the river.
- The most iconic and beautiful design.
- This is all this bridge offers, this is a statement bridge.
- Unique and modern, which is a great contrast with tower bridge.
- Visible and identifiable.
- **Overlook Experience:** *Streamlined pedestrian travel is the most important*
  - A great experience to view and activate the riverfront.
  - I like the paths around the columns.
  - Practical for workers and encourages different modes of transportation.
  - Wildlife Viewing.

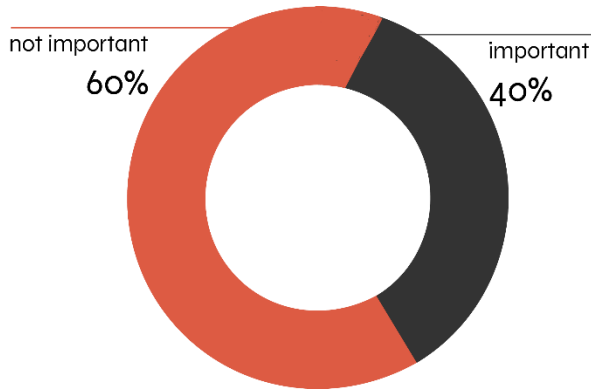


**Other Design Elements**

There are additional bridge design elements the architect and project team will need to consider as the final design phase progresses. For each of the design element categories, select only one answer and tell us why you chose it.

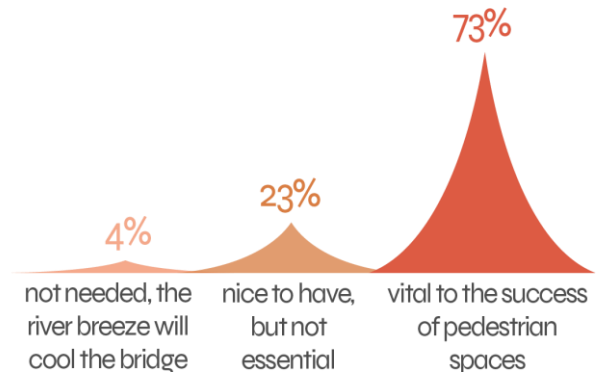
• **Plants on the main lifting span of the bridge**

- Important
- Not Important



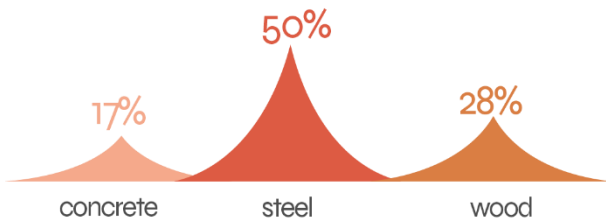
• **Shade**

- Vital to the success of pedestrian spaces
- Nice to have, but not essential
- Not needed. The river breeze will cool the bridge



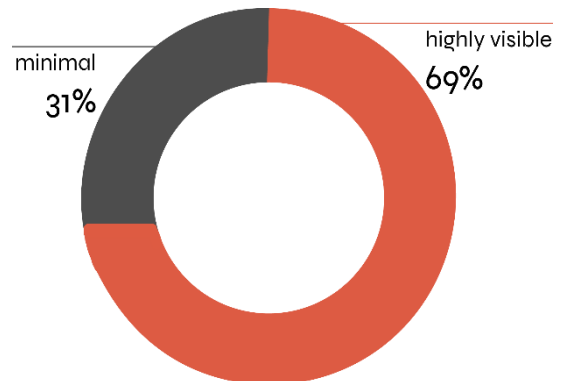
• **Materials**

- Wood
- Steel
- Concrete



• **Aesthetic Lighting**

- Highly Visible
- Minimal

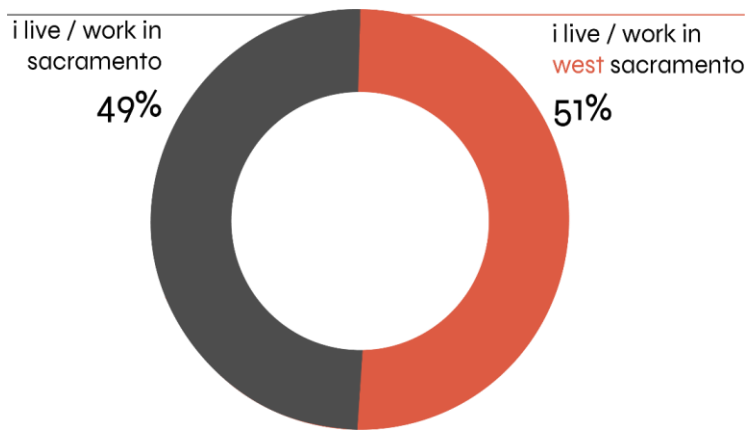




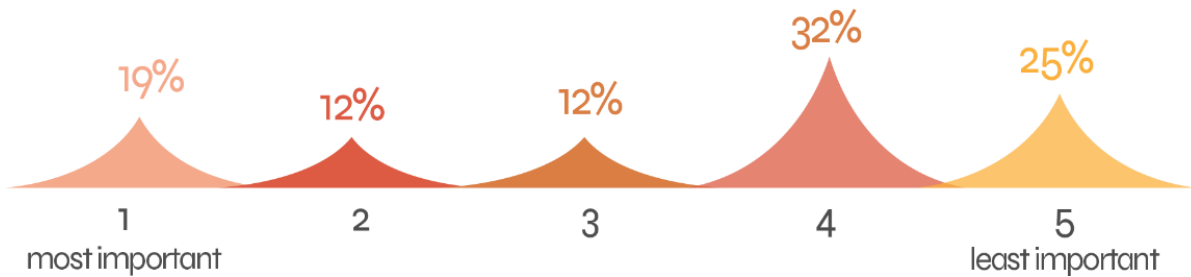
**Workshop Guidebooks**

Community members were asked to provide comments at the end of the guidebook. Below are the comments received from the guidebooks, organized by design concept or design element. The project team received 80 guidebooks. You can find the guidebook in the appendix of this summary.

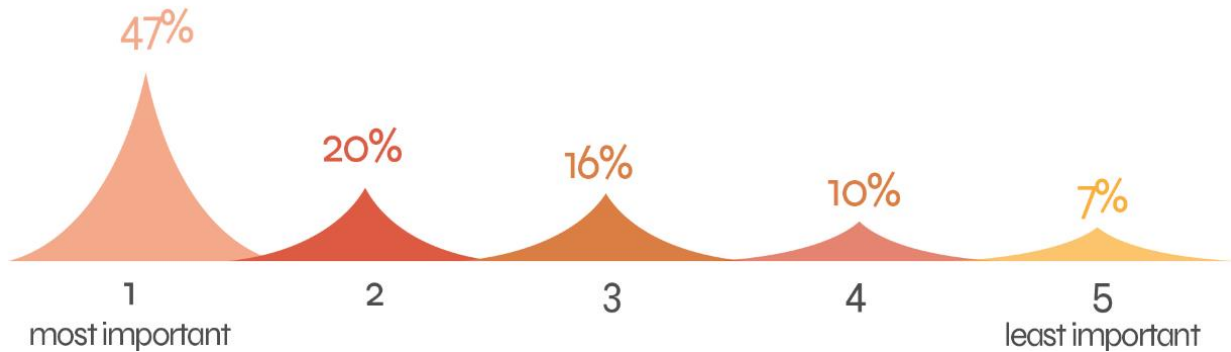
*I live / work in Sacramento of West Sacramento*



*Rank, in order of preference from most important (1) to least important (5), the bridge design elements. Sustainability*

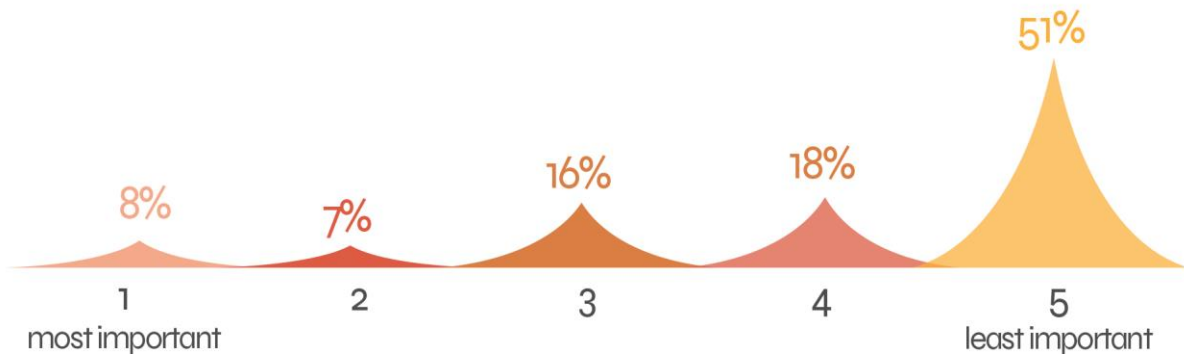


*Path Experience*

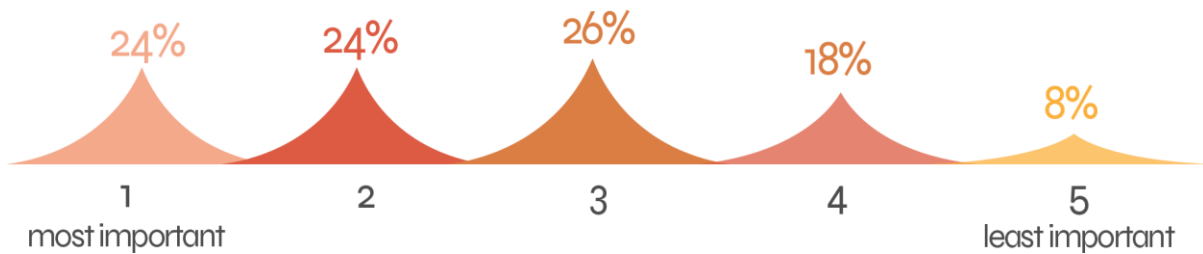




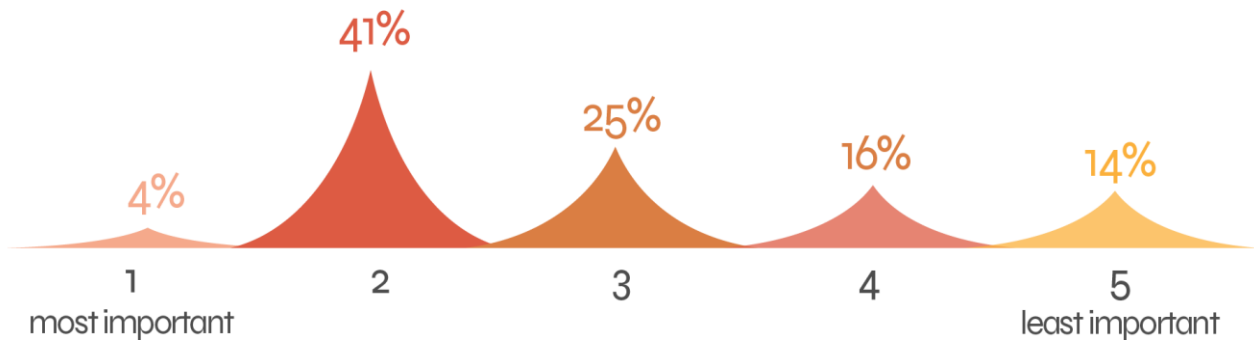
## Driving Experience



## Form



## Overlook Experience



## Other

- Price is a high priority.
- Shade for paths is important.
- Safety is a high priority for me.
- Bat Habitat and bat viewing opportunities a fabulous tourism draw.
- Wildlife compatibility is a high priority.



## Additional Comments

### Thru Concept

- Aside from the Thru concept, I'd be happy with any of the other three designs.

### Solar Arch

- I prefer Solar Arch form with spring second. Try to combine some of the best path + platform features from each.
- I really hope the Solar Arch is the one that gets built! We need to make a statement, and this will draw more people. With a little more of an investment we will get much more reward for years to come. Do it right the first time and make this smart investment for the future. To build the cheapest one just to save a relatively few dollars now is short sighted and does not show the vision we need to show for the future. The solar arch will be a destination and will draw people to the area, generating more revenue for local businesses and tax revenue.
- Solar Arch is too function over form. It is more of a symbolic statement which I don't think justifies the extra cost. Solar panels in the communal spaces or running along the bridge might work.

### Garden Concept

- I like the concept of this design but wonder about its feasibility. Would it be a pain to have to deal with irrigation lines and constant landscaping? Is this option going to be significantly more expensive?

### Driving Experience

- Can the number of directional lanes can be modified based on the traffic flow?
- The most important thing is that this bridge gets built. I like the San Francisco concept of two bridges. The Golden Gate is like the tower bridge – iconic, tourism-focused. The new Bay Bridge is longer but less intrusive. Blends in better. This would be a complement, not the main focus, especially since we already have an iconic bridge. My focus is on the pedestrian/ non-auto experience. Most cars would be on I-80 and this isn't a long bridge so driving experience isn't that important.

### Form

- Can the towers be a little shorter? I like the Garden and the Spring bridge – but it would be nice if the geometry of the towers didn't look like a curvy fence post. All the designs are fun. Just hope we don't give the kids too big of a bill.
- Consider the long-term maintenance plan/ durability of design.
- Pile driving is a main environmental impact. Consider designs or structures that minimize the number of piles or other structures that need to enter the water. It's a boring design element but can go a long way for efficient construction and permitting. Explore piles that may enhance or encourage use by fish. Hone in on specifics for habitat creation (bat refuge, bird nesting/ perching). For future design: Roadway approaches with native habitats; consider the replacement for any nests removed during needed tree removal. Sustainable erosion control that incorporates vegetation and requires minimal maintenance.
- I think it's important that we consider all four bridge concepts when choosing form. We have two iconic bridges already – the third should be a bold and modern complement to the other two. Not a competition and we don't need to replicate what we like about either of the others. It should be 21<sup>st</sup> century.



- Would like the bridge to move ship traffic faster/ easier. Bridge wait times are very long. Alternatively, if there were de-tour routes available that would be great!
- Would prefer elevators as opposed to maintaining access ramps which are barriers to river.

### Path Experience

- Connect easily to American River Parkway bike path and (River Walk Bike path in West Sacramento) so that bike commuting is not interrupted by pedestrians. If design lighting is to be a statement, I wouldn't want it to compete with Tower Bridge. Complement each other without distracting from the other.
- Consider using native California plants for the Garden design or others using this design concept. Interpretive signs on or around the structure on be beneficial for public use regarding cities/bridge history but can also identify plants or species found along the river. Our most popular sign at the American River is one that shows diverse habitats and highlights species that can be identified from that vantage point.
- I believe this bridge should increase pedestrian use. The old bridge is underutilized due to unsafe transit. Shade and enhancing the pedestrian experience should be the focus as well as alternate transit methods (scooters, bike, skateboards). The bridge should be well lit for safe travel and a crime free atmosphere. Most Important: Durability, reliability, and maintainability; reduce operating / maintenance costs!



*Attendees listening to the opening presentation by Noel Shamble, T.Y. Lin.*

### Overlook

- For the overlook elements, I think there will have to be significant separation from the roadway for these, otherwise people will be less inclined to stop at overlook as cars go by.

### Sustainability

- I really like the idea of the bridge being zero net energy (through solar etc.) I think this would be a good opportunity for West Sacramento to showcase its innovation & commitment to the environment.
- Sustainability / habitat is important to me. A focus should be on including bat / bird habitat features under the structure. My favorite designs are Spring and Garden. For Garden, I would like to see a shade element and plants on towers. Like the multispeed travel. For all the concepts would like to have muted lighting.

### Other

- All four designs have merit. All but Spring are at least somewhat aesthetically pleasing. Spring could work in another color, possibly. Garden and Solar Arch seem like they would be the easiest to drive on. Thru might make drivers feel like they are going to go off the side, Spring might feel like the basket handle is closing in on you. Thru would mesh well with the existing bridges. Solar Arch would elegantly contrast. Garden is a more minimalist echo, a bit more organic. Spring is a harsher echo. Oppressive and almost Brutalist. Towers are too tall on both Garden and Spring. Spring looks like it is too large for the space. Thru is possibly a bit small for the space, but that is more pleasant to the eye.
- Deck conversion of existing bridge for pedestrians and bikes very important to both sides of the river.



- I hope I Street conversion will occur. Essential to river area improvements for both sides of the river.
- I like this proposal very much. It also saves cost in the construction using the existing structure, just need to update or modernize it. So, more funds will be used in the construction of the new bridge and focus on the design. We need to think about how to build the bridge that will last for decades and consider the climate change that affects over environment and the bridge.
- I look forward to hearing how the cities plan to encourage bike and pedestrian use of the bridge rather than another gateway for more cars.
- I Street deck conversion is very important to connecting both cities.
- I think the new bridge should be built at the same elevation of the existing upper deck. This will reduce the number of closures of the bridge during ship passage. The whole idea of the new bridge is to help traffic, not pedestrians or bicyclists. Moving a bridge is costly and doesn't help traffic situation.
- I would like it to be a destination. It should look good at a distance but also be enjoyable to use for walk/ride recreation. Walk and cycle to sight see. Drive to get to the other side. This should tie clearly to parking, eating, and recreating on both sides easily. It would be good to be known for our "three bridge walk" with a path that people walk and ride on.
- Of the designs, I like the overlook design of the Thru concept, the vegetation of the Garden concept, the driving experience of the Spring concept, and the form + sustainability of the Solar Arch design. As a pedestrian and casual biker, I love the traffic separation and protected pathway element of the designs. I think travel zones and helpful since a lot of jump bikes don't like to use bike lanes – so that should help protect the pedestrians from collisions. For the plants – xeriscaping and use of California native plants would be a great sustainable element. I enjoy the wood designs for the path, it makes a more organic vibe versus angular, straight rails.
- Please preserve the Sacramento side where thousands of bats, roost and raise their pups in the summer.
- So glad this project is moving forward. It will be a great addition for Sacramento and West Sacramento.
- Thank you for including us and hearing our opinion! We love in the Washington district and we are super excited! My husband bikes to his county job and the I street bridge is dangerous especially crossing onto J street. We support this project!



*Attendees give their input on a bridge design concept.*



## Notification

Community members were notified about the second I Street Bridge community workshop through traditional print flyers, digital flyers, email blasts, personal calls and emails, regional community event calendars and websites, local news outlets, and social media channels including Facebook, Instagram, NextDoor, and Twitter. Community destinations, community-based organizations, and individual community members shared informational materials about this outreach opportunity as well. Below is a list of organizations and communication channels which shared information about the second public workshop:

- City of Sacramento – City Express Blog
- Sacramento Councilmember Jeff Harris
- CalSTRS
- Downtown Sacramento Partnership
- Environmental Council of Sacramento
- Everything Sacramento and More
- Fox 40
- KCRA 3
- Richmond Grove Neighborhood Association
- Sacramento Business Journal
- Sac365
- Sacramento History Museum
- Sacramento Railyards





## Appendix

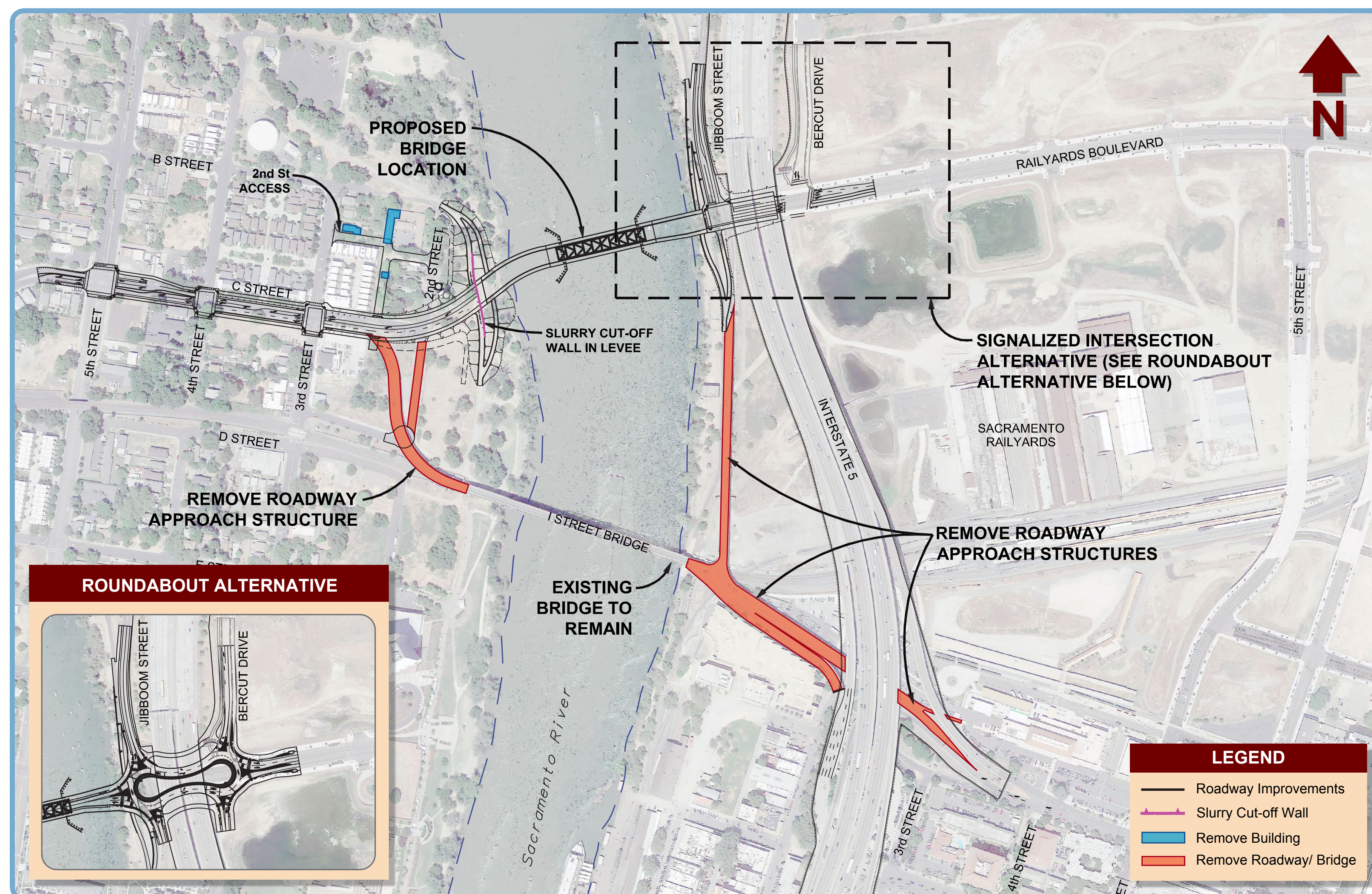
- What We Heard Board
- Concept Design Boards
  - Thru
  - Garden
  - Spring
  - Solar Arch
- I Street Bridge Deck conversion Project Board
- Workshop Guidebook
- Workshop Flyer

# Project Overview

## About the Project

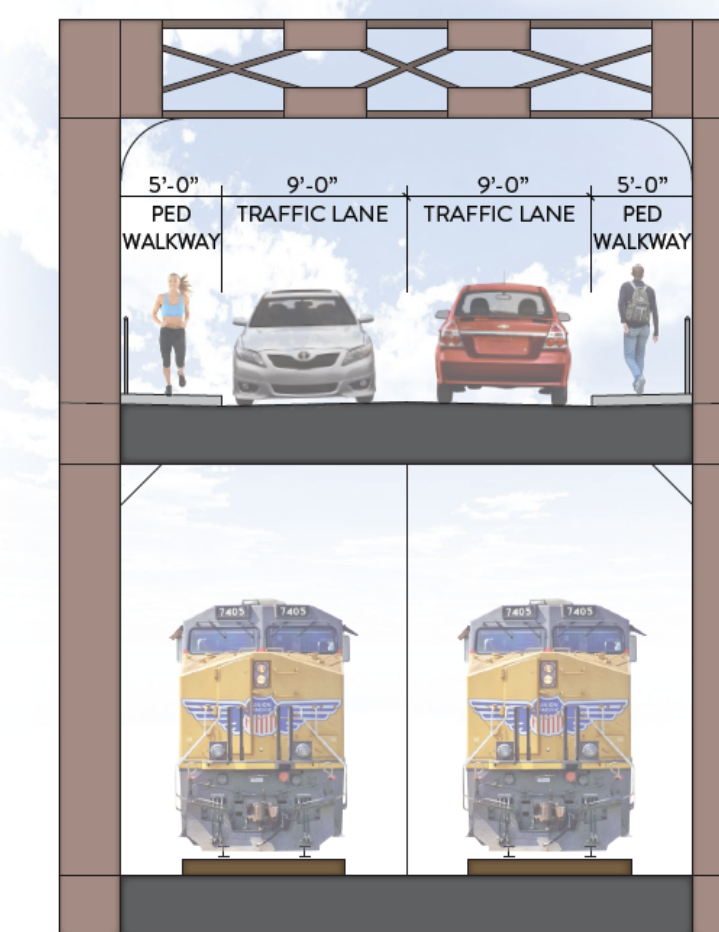
The new I Street Bridge will be a multipurpose civic icon that offers a seamless extension of both sides of the river and reflects the values and characteristics of its surrounding community.

### Overview

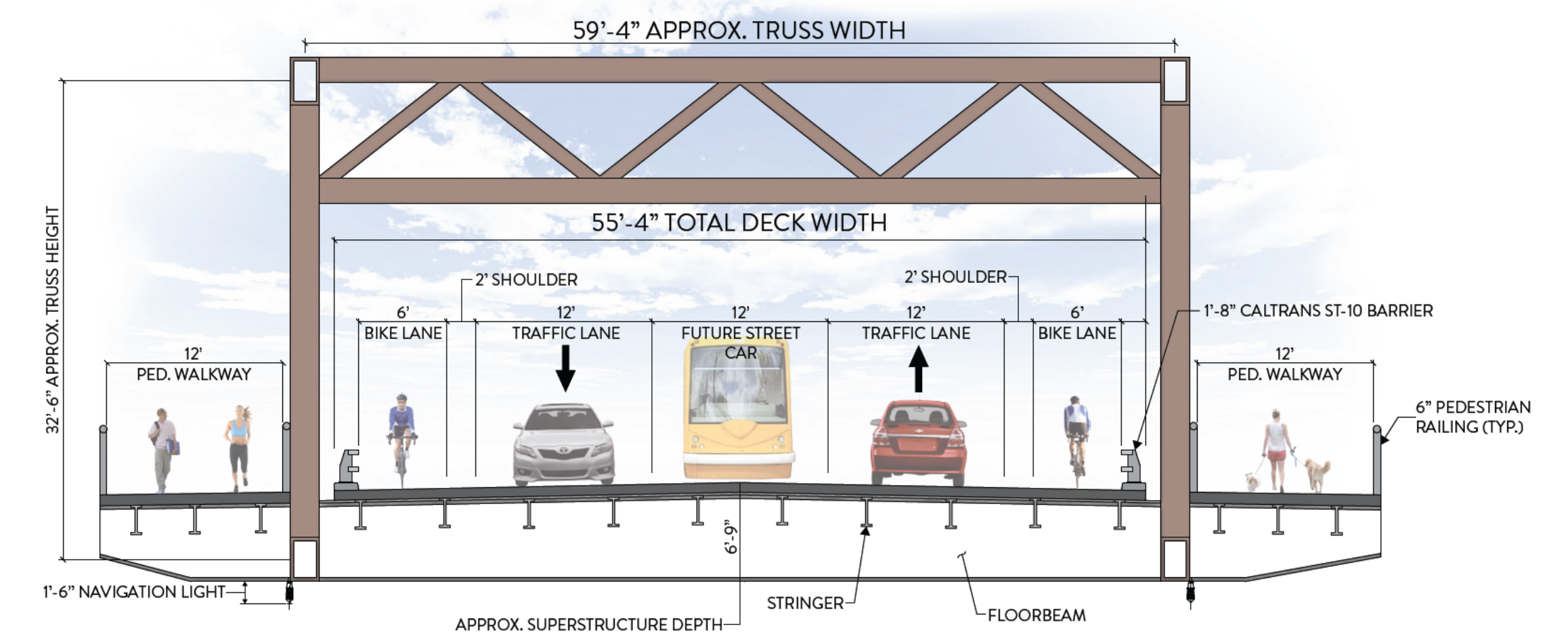


### Cross Sections

Existing Bridge Cross Section



Proposed Bridge Cross Section



## Project Funding

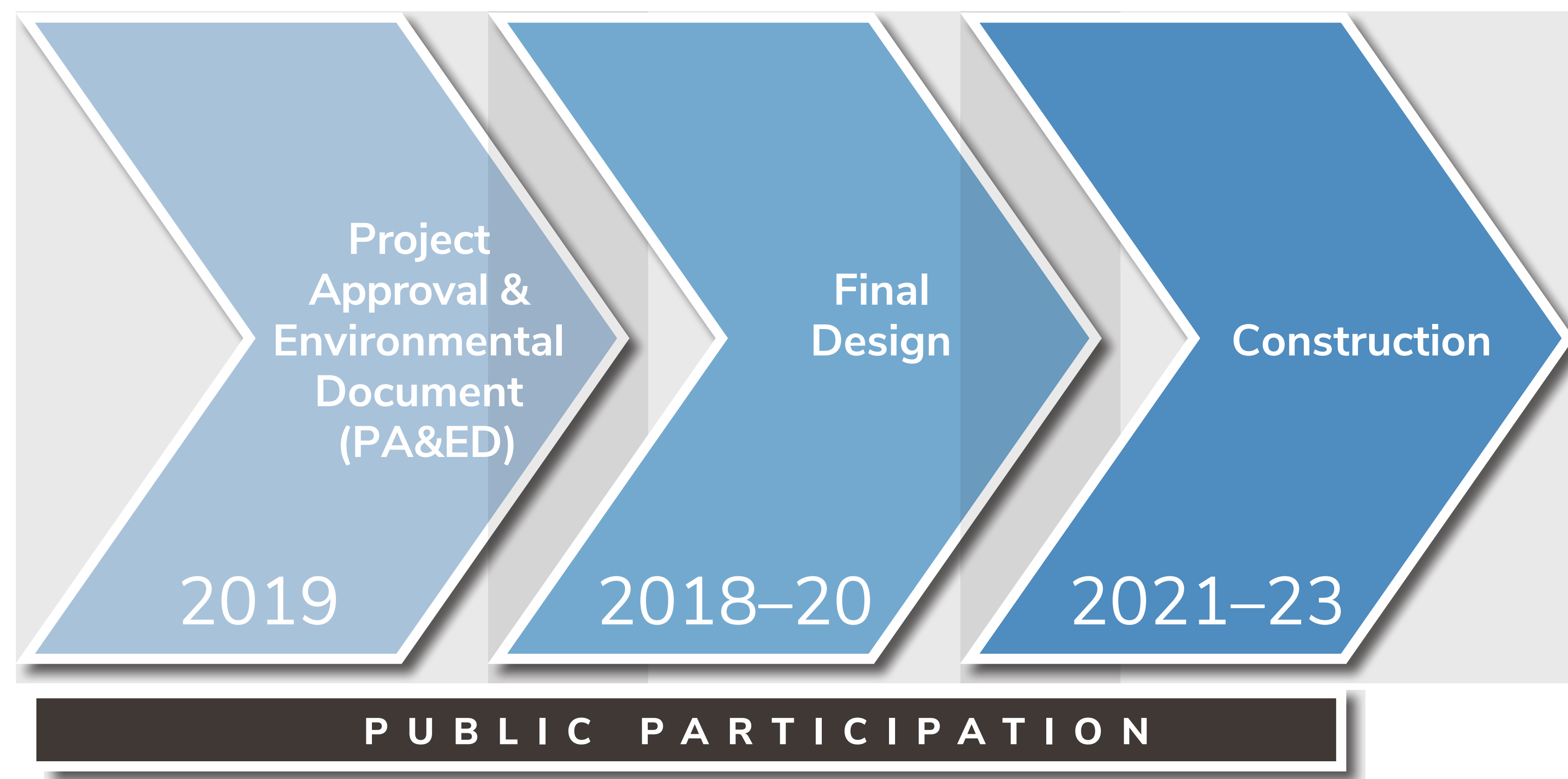
The cities of West Sacramento and Sacramento have agreed to share the local expenses associated with constructing and delivering the project. This includes federal matching requirements and other non-federally eligible expenses.

Total project construction and delivery costs for the new bridge are estimated at \$150–250M. The cities have identified approximately \$138M in state and local funding, and are continuing to seek additional funding sources.

### Cost Categories

\$ Low	\$150 - 180M Thru, Spring
\$\$ Medium	\$180 - 250M Garden, Solar

## Project Schedule



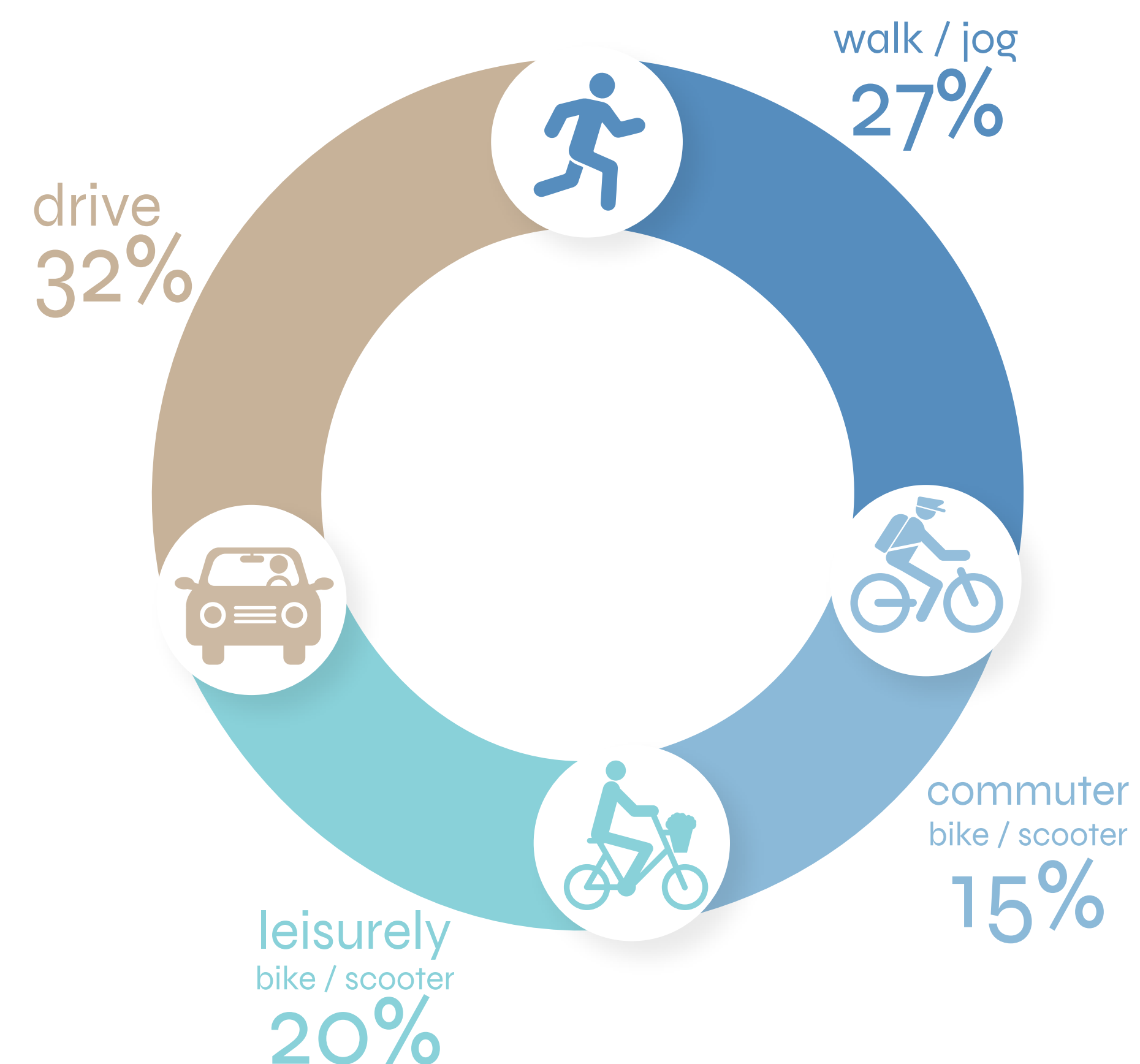
# What We Heard

## What We Heard

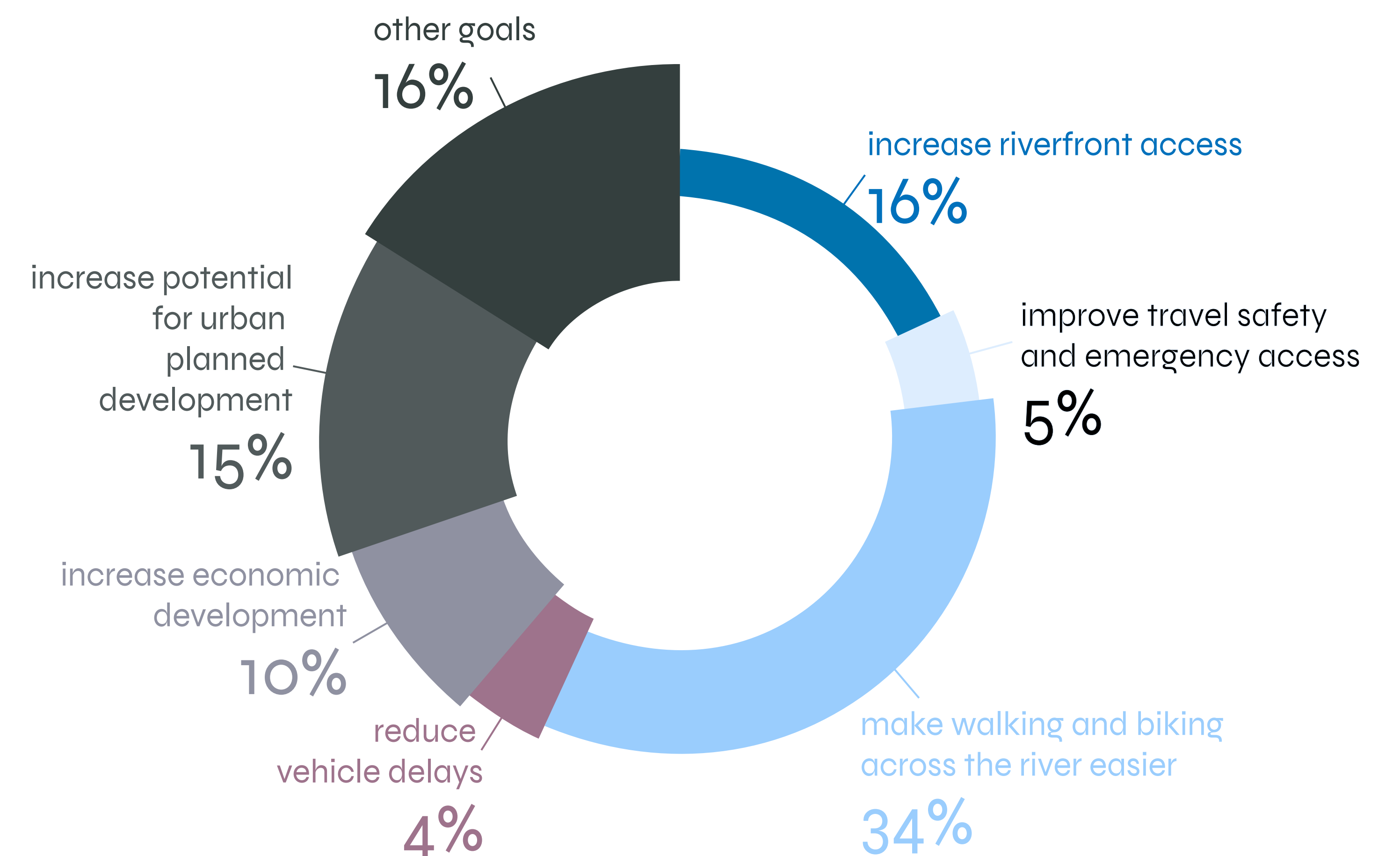
In April 2019, the cities and project team held an in-person community workshop and a virtual community workshop to present and obtain input on the nine early bridge design concepts, project goals, contextual inspiration, and community values. More than 1,500 community members participated in these outreach opportunities combined.

An overview of the in-person community workshop responses are shown below.

**What do you anticipate to be your common mode of travel across the bridge?**

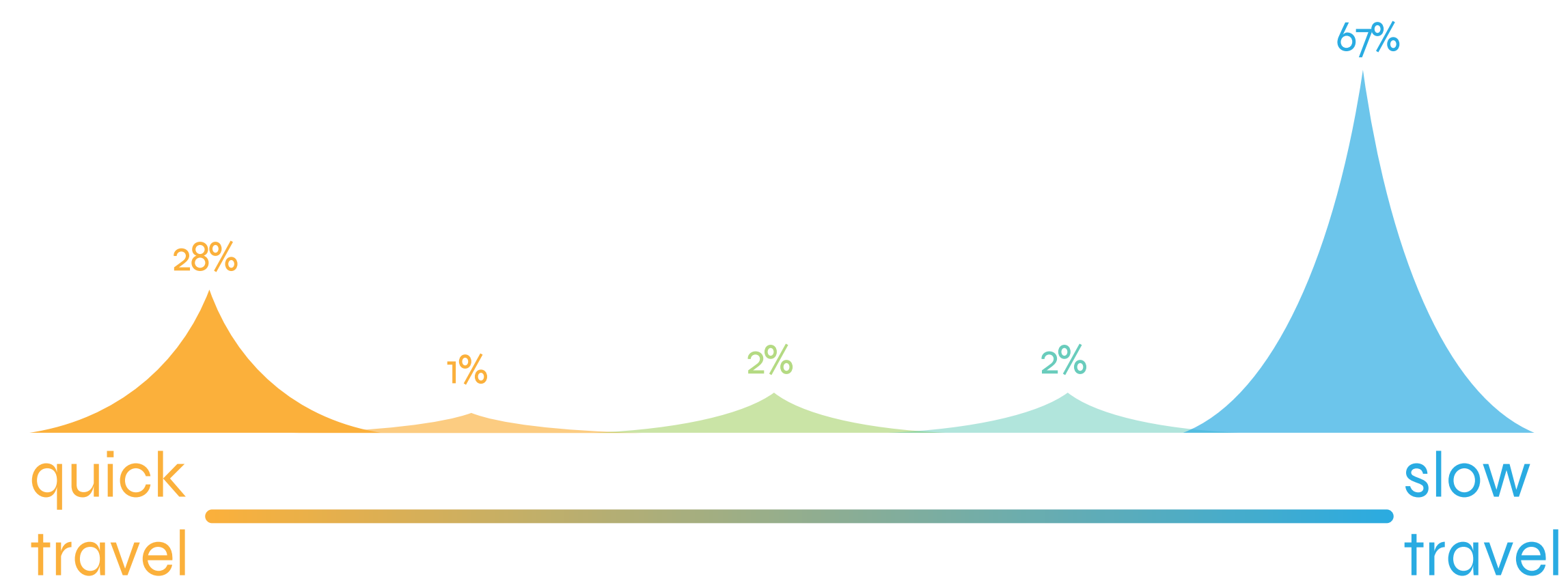


**Which project goals speak to you the most?**

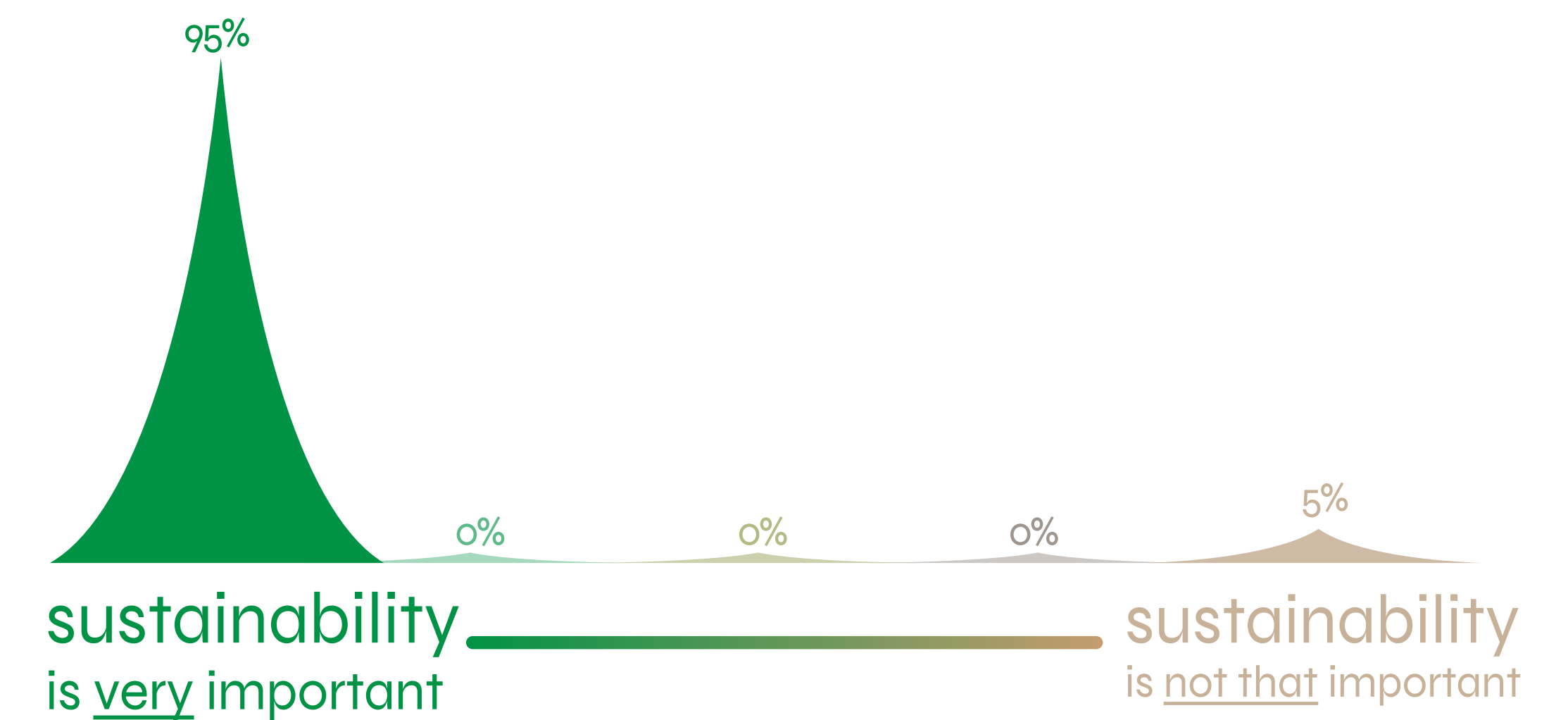


# What We Heard

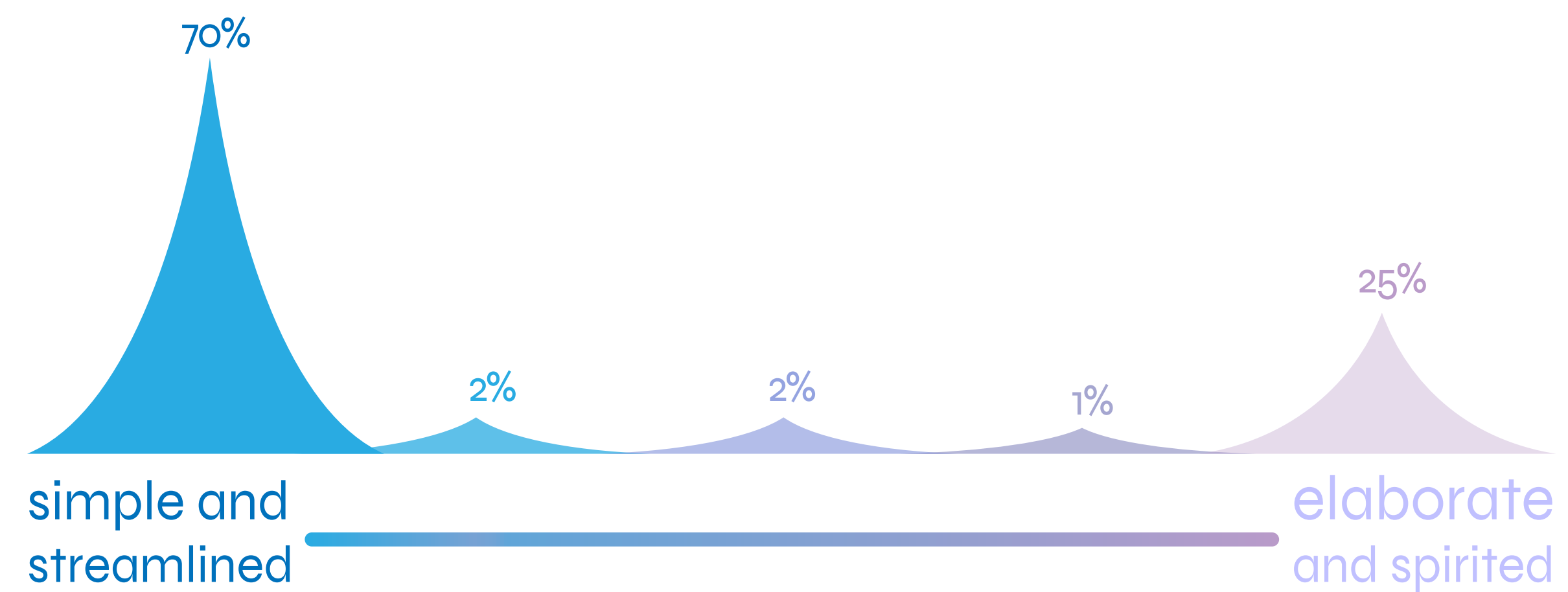
I envision my main use of the bridge to be...



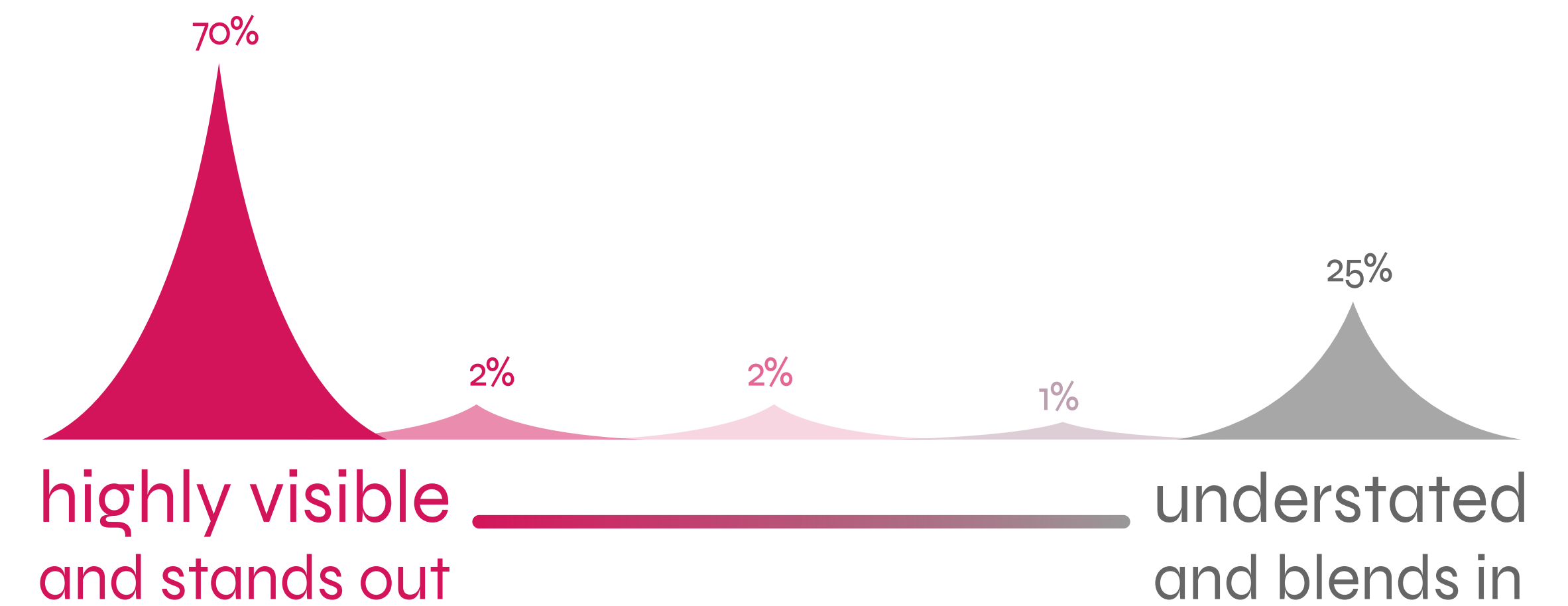
When it comes to whether or not the bridge uses and/or shows sustainable principles...



The overall design style i prefer is...



When seen from the surrounding area, the design i want to see is...



# Thru





THRU DESIGN ELEMENTS

For this concept, select the two design elements you like the most.



**Sustainability**

Not a primary feature for this design



**Path experience**

A wide, communal shared pathway



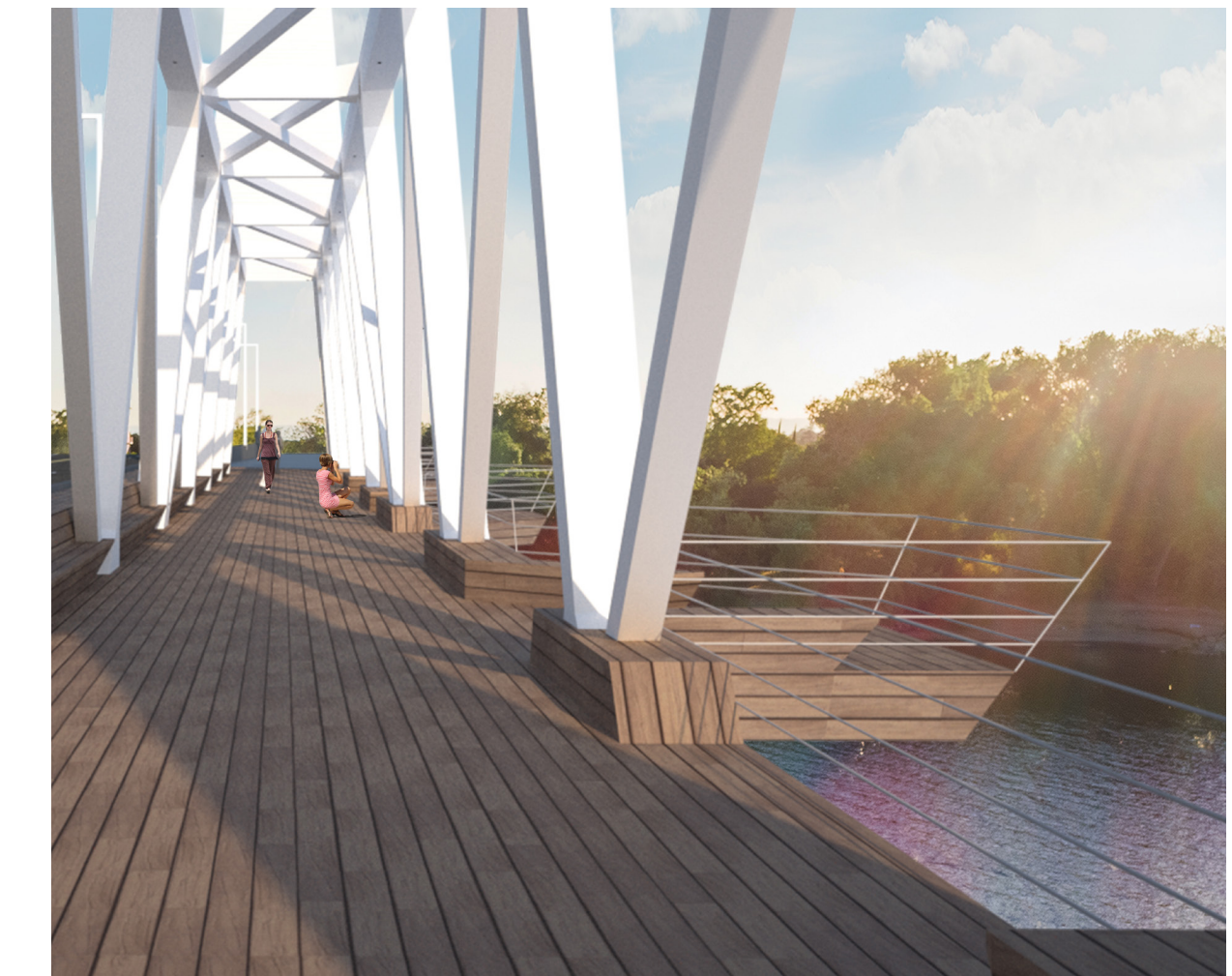
**Driving experience**

Drivers can see the river from the main span



**Form**

A modern evolution of the historic and local truss form

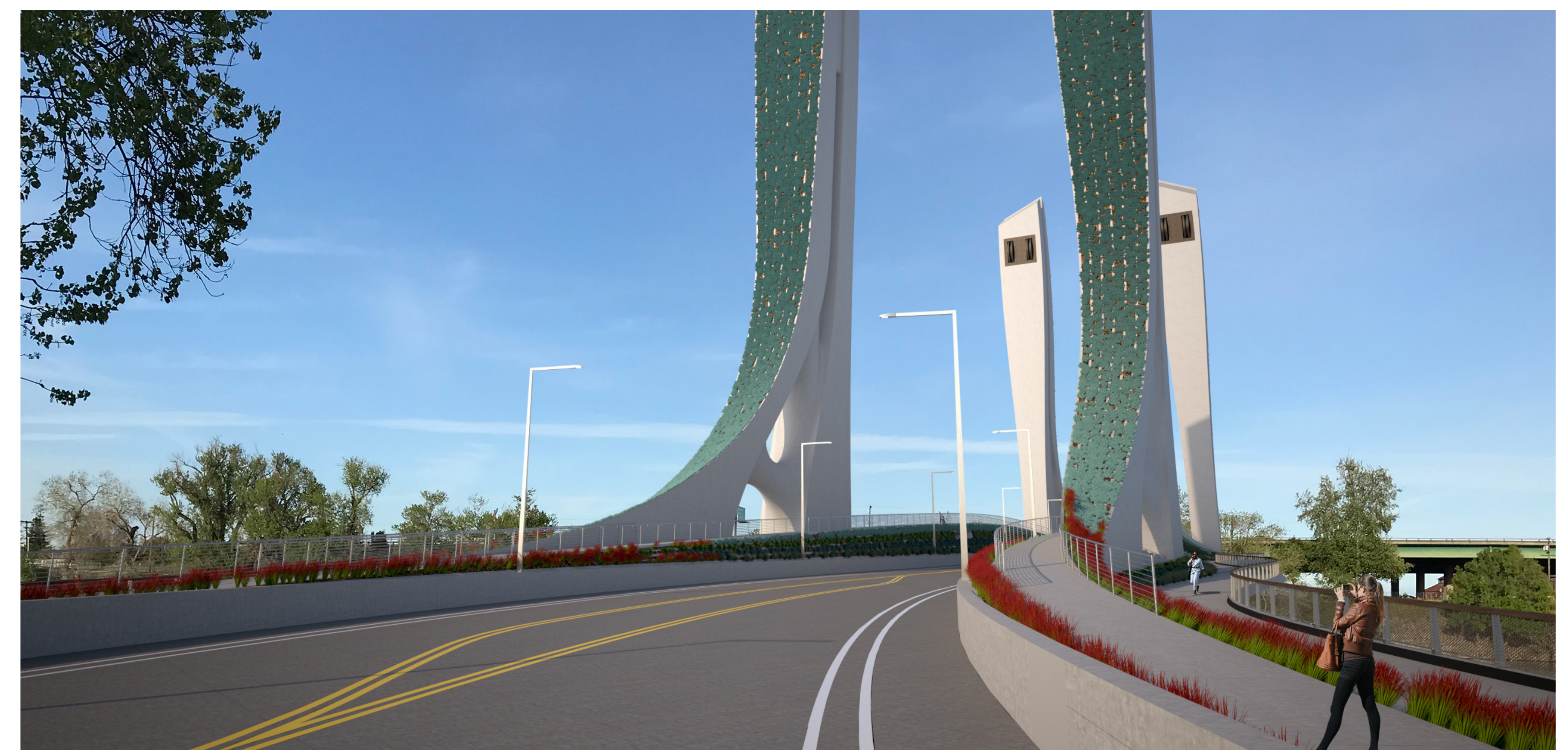


**Overlook experience**

Separate overlooks provide private and more intimate spaces to enjoy the river

# Garden

GARDEN



## GARDEN DESIGN ELEMENTS

For this concept, select the two design elements you like the most.



### Sustainability

Plants symbolize the community's green values; plants lower carbon dioxide



### Path experience

Two pathways allow for different experiences: one elevated and direct, the other low and meandering



### Driving experience

Focus on the road



### Form

An unique form that can both blend in and stand out



### Overlook experience

There are lots of places to sit and look at the river, at an elevated vantage

# Spring

# I Street Bridge Replacement Project

SPRING



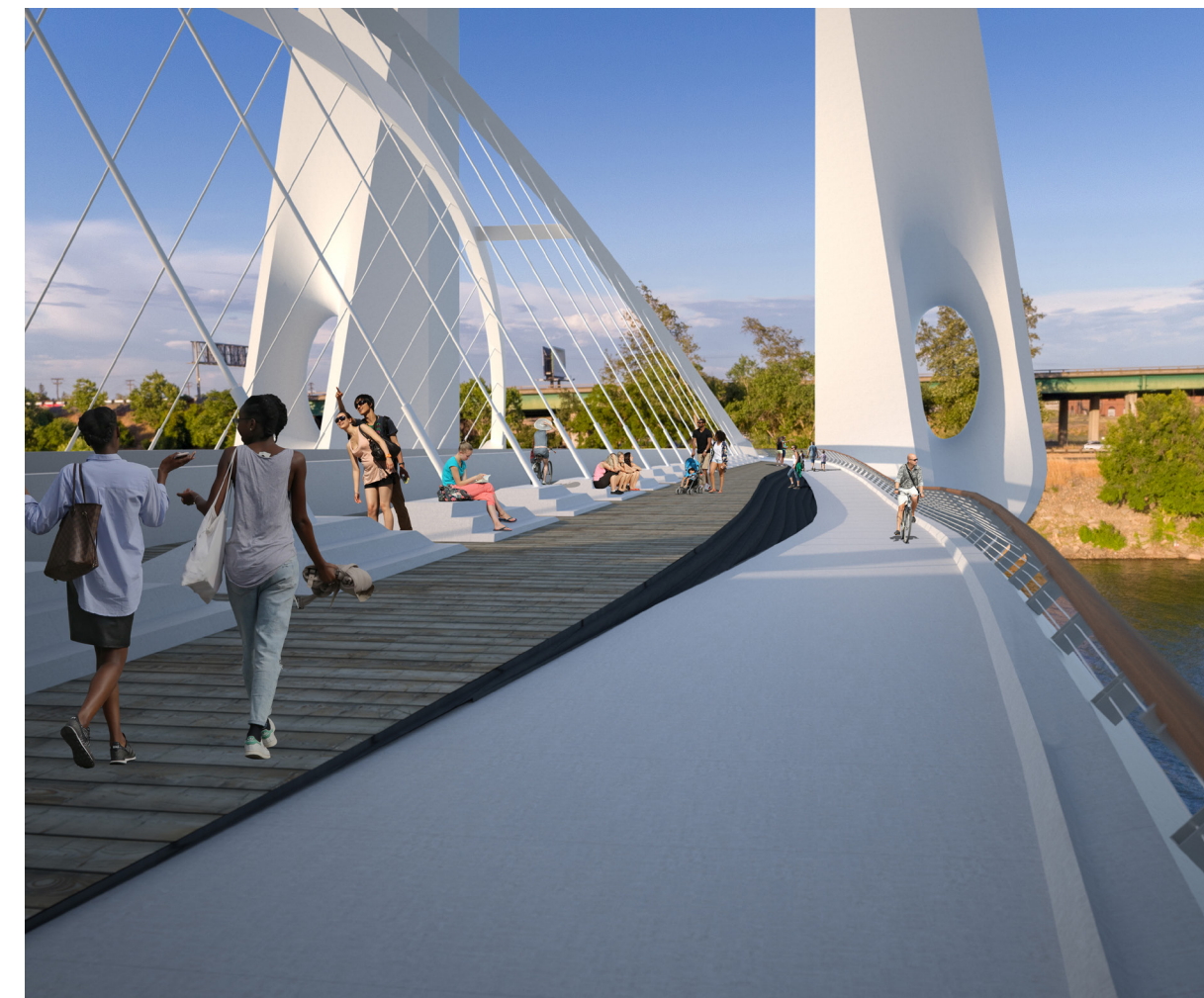
## SPRING DESIGN ELEMENTS

For this concept, select the two design elements you like the most.



### Sustainability

Not a primary feature for this design



### Path experience

Three travel zones separate faster commuters, regular speed walkers, and stationary loungers.



### Driving experience

Drivers can see the river from the main span



### Form

Towers at an iconic skyline scale; a main span that is a recognizable arch form unique to the area



### Overlook experience

The bridge provides a communal area to enjoy the river



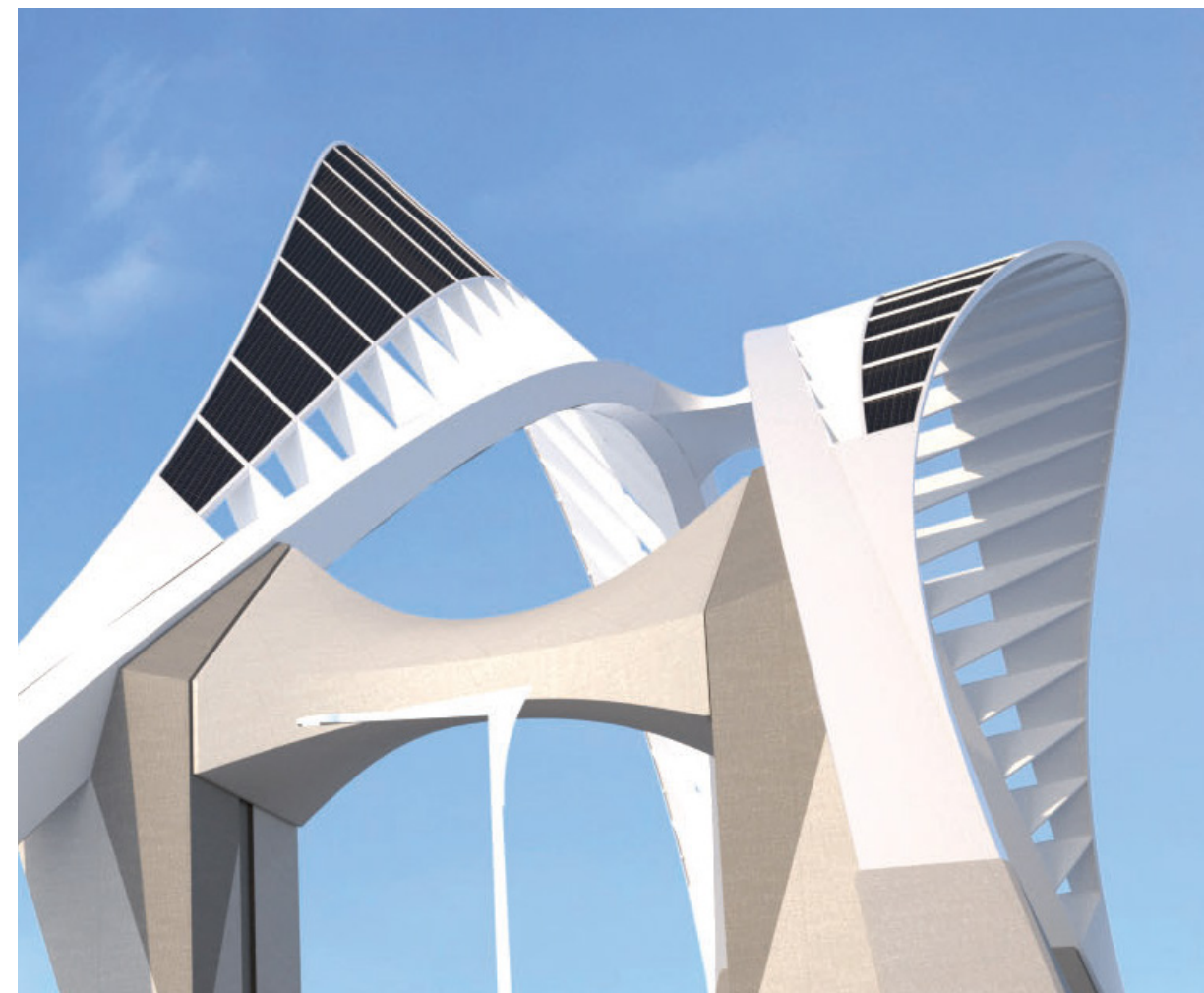
# Solar Arch

SOLAR ARCH



## SOLAR ARCH DESIGN ELEMENTS

For this concept, select the two design elements you like the most.



### Sustainability

A flagship statement for renewable energy; working photovoltaic panels give energy back to the grid



### Path experience

A wide, communal pathway is streamlined with minimal amenities



### Driving experience

Focus on the road; the driver's view is slightly obstructed by the main span structure



### Form

A grand, immediately recognizable icon for the city and region



### Overlook experience

Streamlined pedestrian travel is the most important

# Other Design Elements

## Other Design Elements

There are additional bridge design elements the architect and project team will need to consider as the final design phase progresses. For each of the design element categories, select only one answer and tell us why you chose it.

### Plants on the main lifting span of the bridge



### Materials



## Other Design Elements



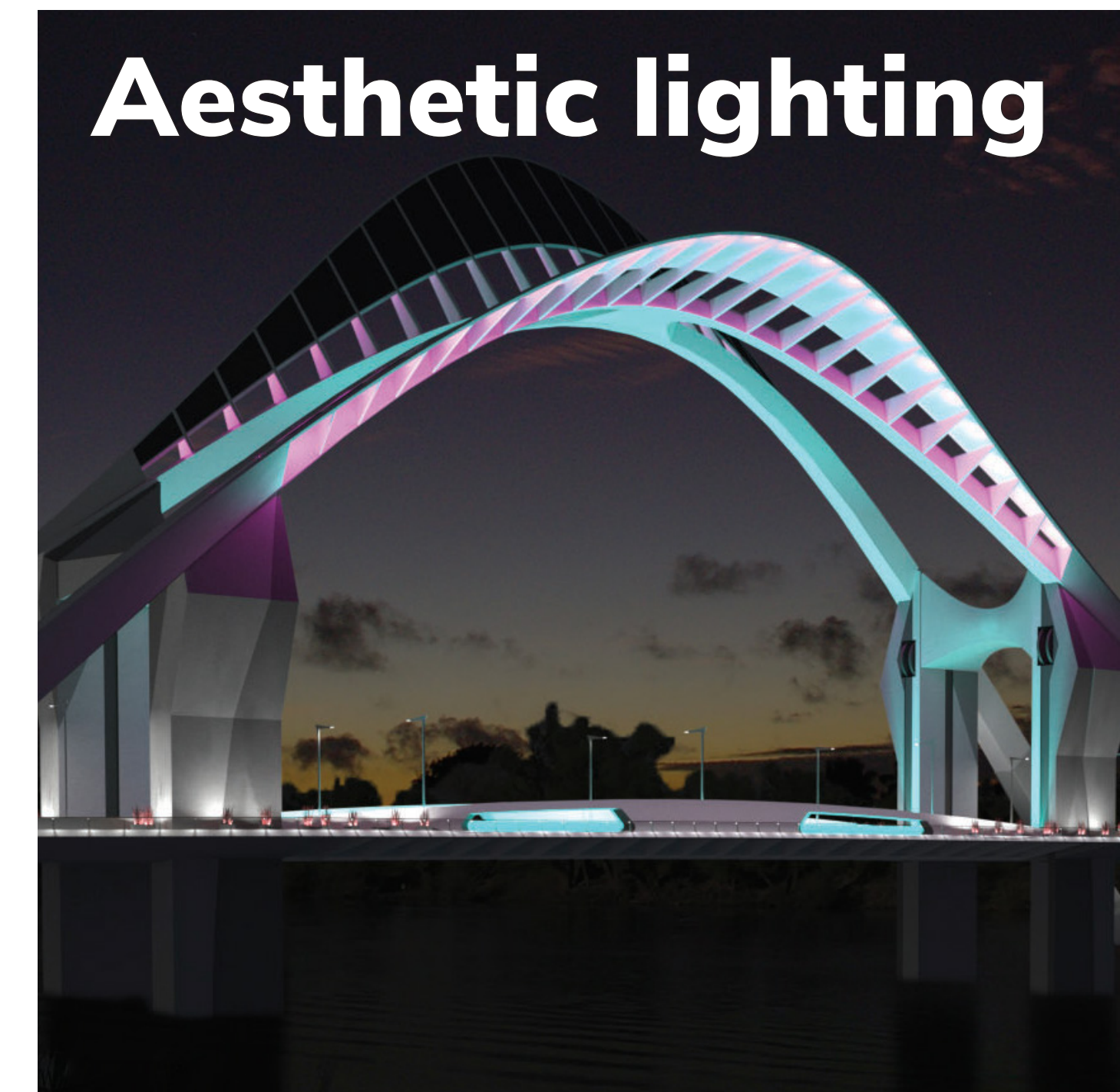
Vital to the success  
of pedestrian spaces.

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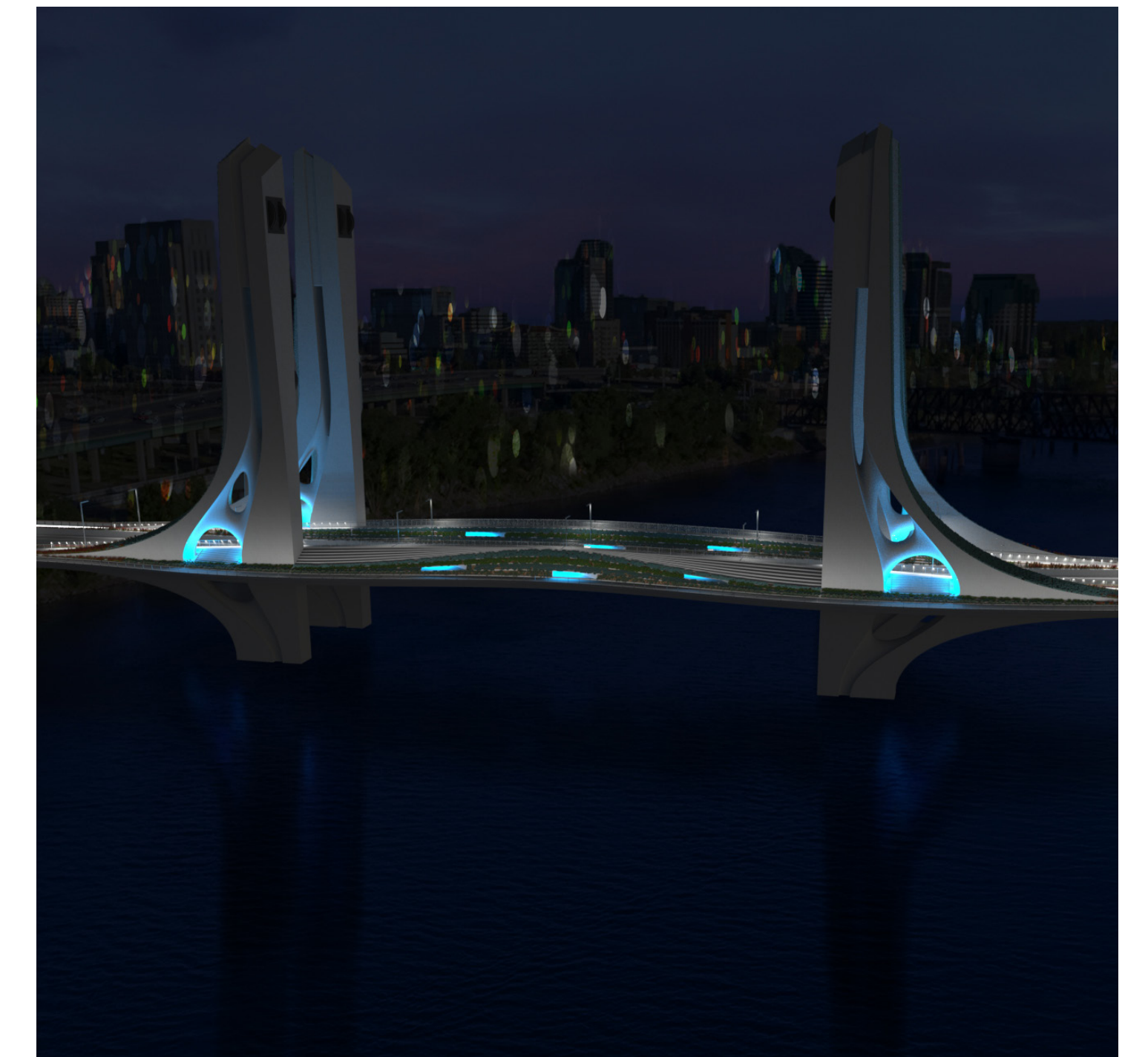
Nice to have,  
but not essential.

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Not needed.  
The river breeze will cool  
the bridge.



Highly visible



Minimal

# I Street Deck Conversion

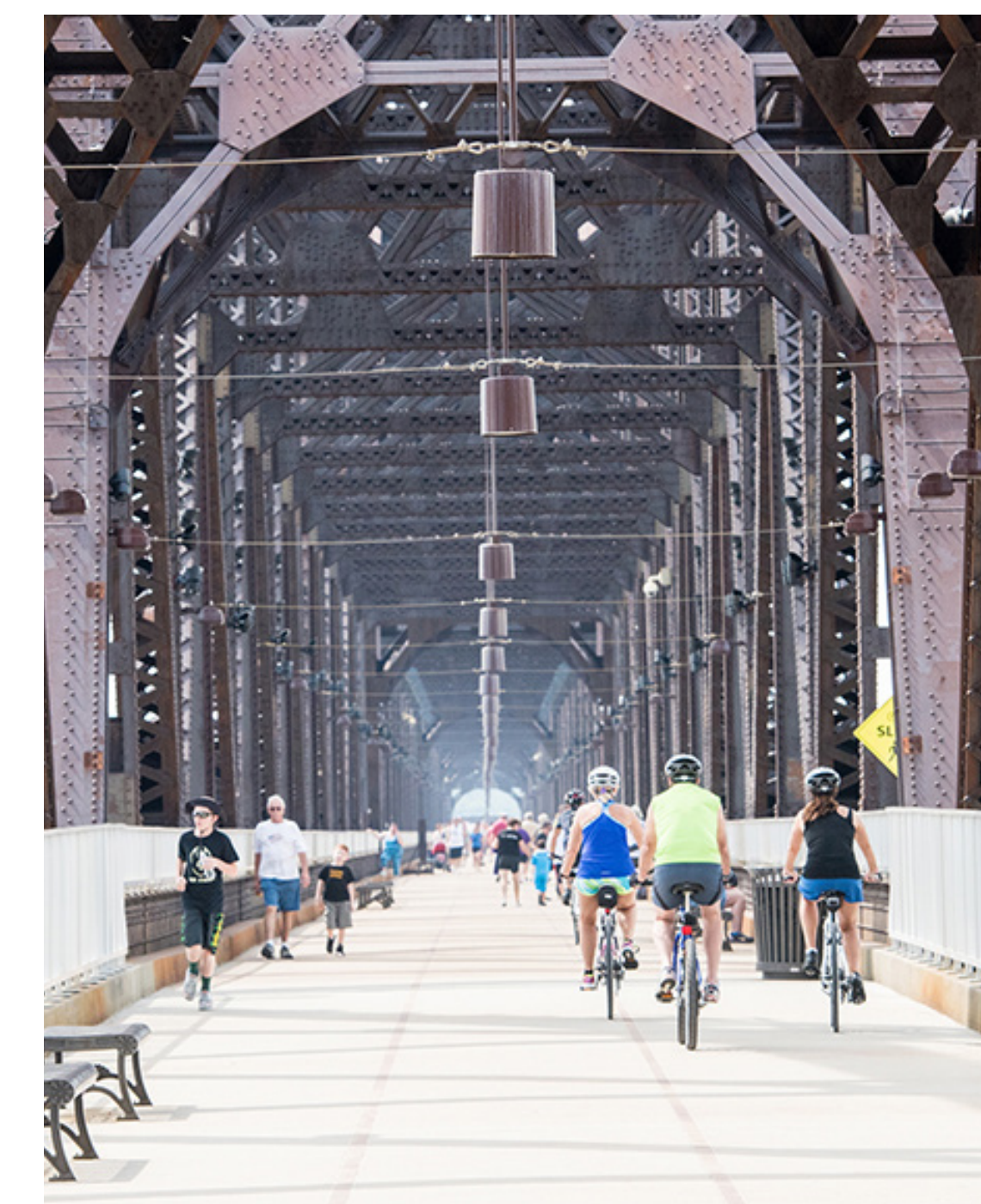
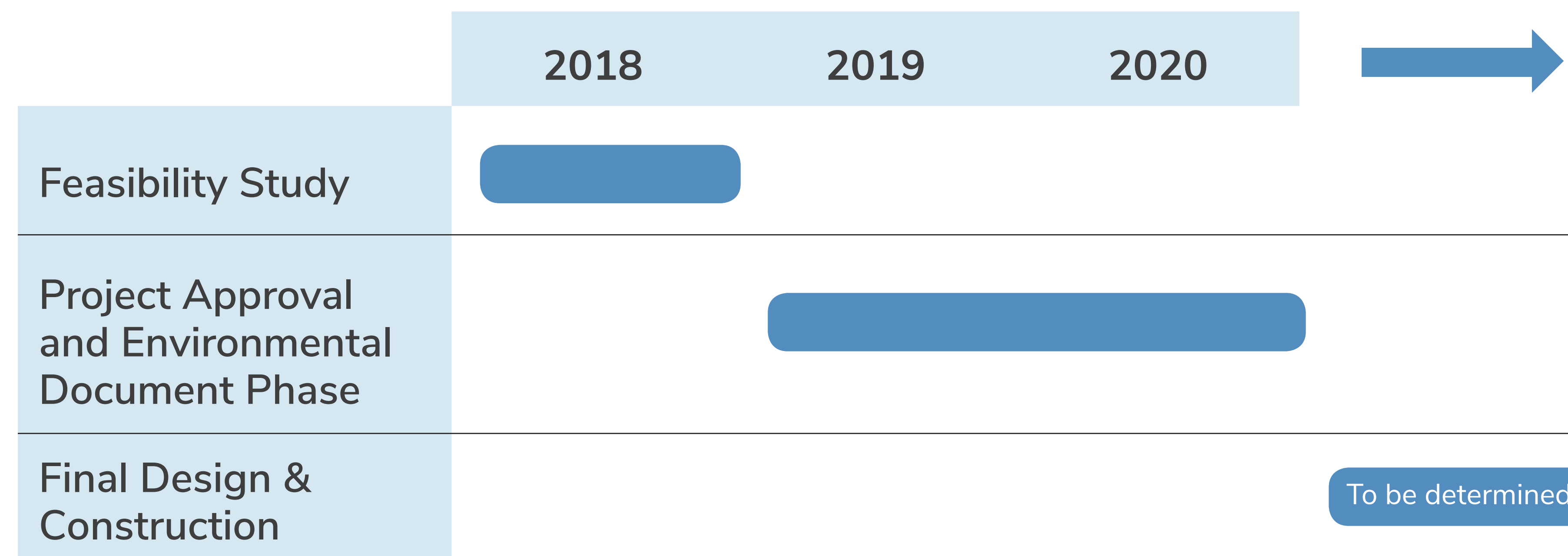
# I Street Bridge Deck Conversion

West Sacramento is partnering with the City of Sacramento on the I Street Bridge Deck Conversion Project, which proposes to transform the upper deck of the existing I Street Bridge to serve only pedestrians and bicyclists.

The project may save a portion of the roadway approach structures on each end of the existing bridge to accommodate access points for pedestrians and bicyclists. Access to the elevated structure may include a combination of ADA compliant ramps, stairways, and possible elevators on both sides of the Sacramento River.



## Anticipated Timeline







# Welcome!

The I Street Bridge Replacement Project will include the construction of a new bridge upstream of the existing I Street Bridge. The bridge will provide a new connection across the Sacramento River between the Sacramento Railyards planned development and the West Sacramento Washington Neighborhood. It will serve automobile, bicycle, transit, and pedestrian users.

The project is currently in the final design phase. The design process will take place over the course of 2019, with in-person community workshops and virtual community workshops taking place at key milestones.

This workshop guide is designed to help you capture your thoughts and share them with the lead architect and project team. Please visit all seven stations, respond to the questions in this guide or on the boards at the stations, and return this guidebook at the end of your visit. If you share your email address with us, we'll keep you up to date on project progress and future opportunities to get involved.

**NAME** \_\_\_\_\_

**EMAIL** \_\_\_\_\_

**ZIP CODE** \_\_\_\_\_

**I LIVE/WORK IN  
SACRAMENTO**

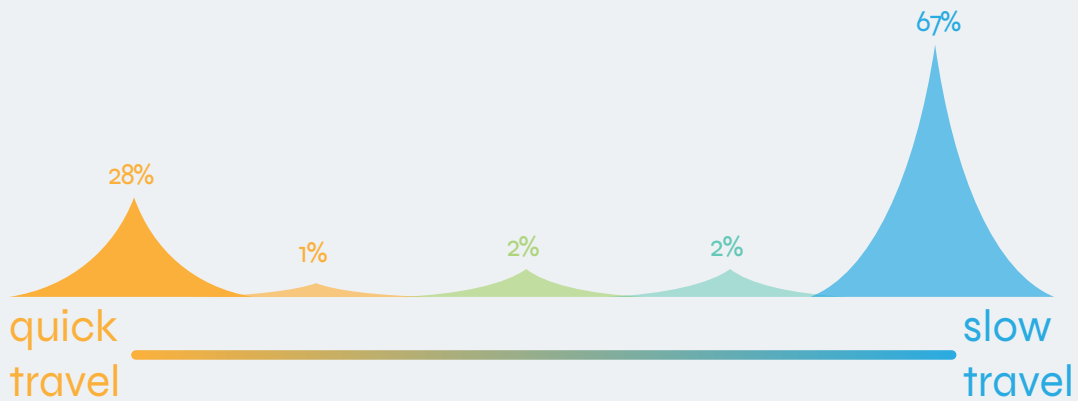
**I LIVE/WORK IN  
WEST SACRAMENTO**



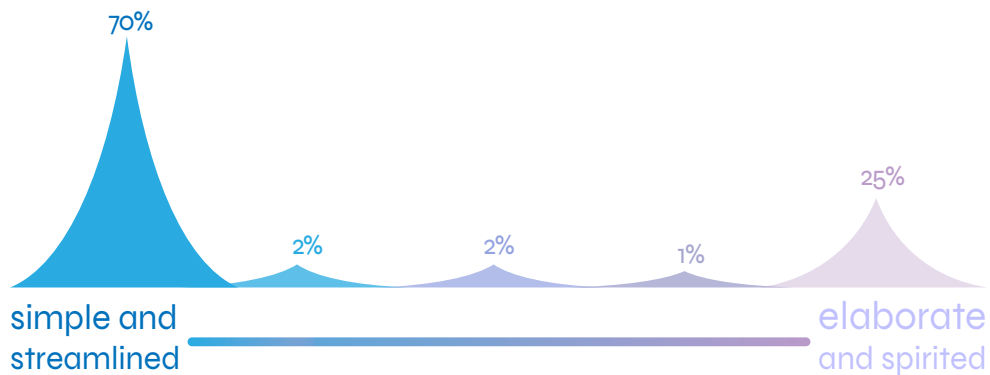
## Station 2: What We Heard

In April 2019, the cities and project team held an in-person community workshop and a virtual community workshop to present and obtain input on the nine early bridge design concepts, project goals, contextual inspiration, and community values. More than 1,500 community members participated in these outreach opportunities combined. An overview of the in-person community workshop responses are shown below.

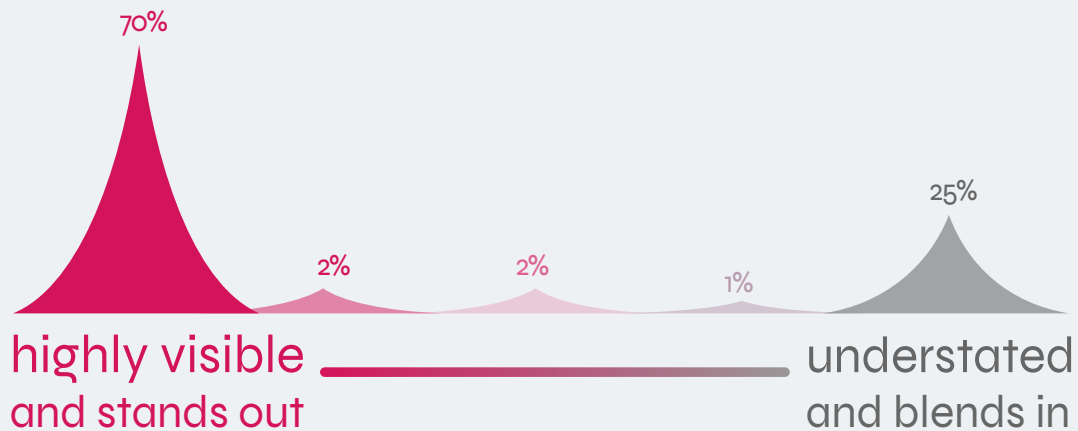
### I ENVISION MY MAIN USE OF THE BRIDGE TO BE...



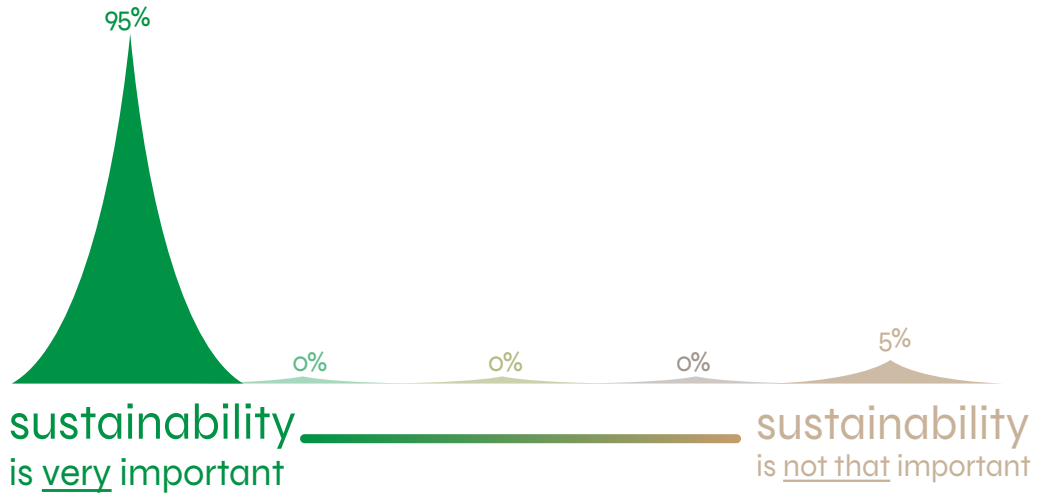
### THE OVERALL DESIGN STYLE I PREFER IS...



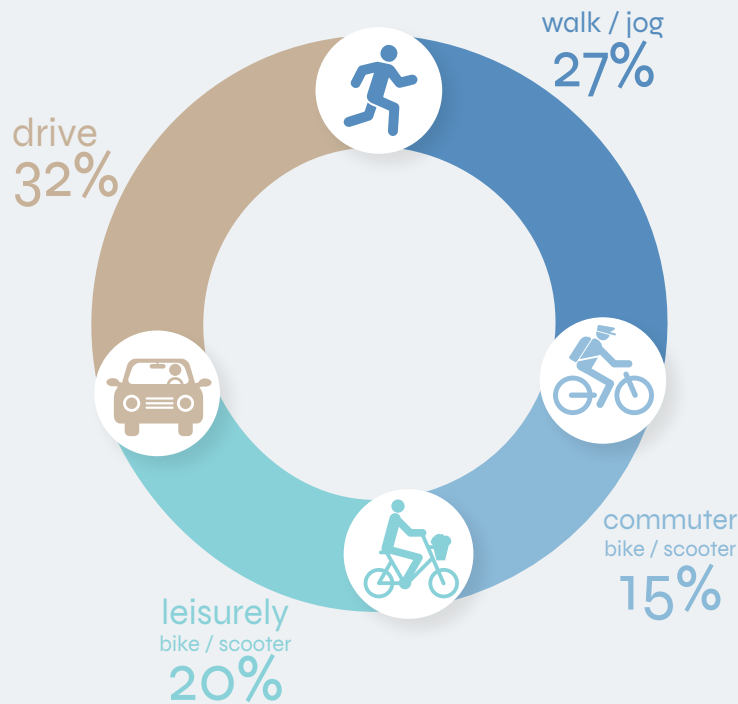
### WHEN SEEN FROM THE SURROUNDING AREA, THE DESIGN I WANT TO SEE IS...



WHEN IT COMES TO WHETHER OR NOT THE BRIDGE USES AND/OR SHOWS SUSTAINABLE PRINCIPLES...



I ANTICIPATE MY COMMON MODE OF TRAVEL ACROSS THE BRIDGE WILL BE...



## Bridge Design Elements

As the lead architect continues to develop bridge design concepts, we need your input on key bridge design elements. This input will help inform future bridge design concepts, so the concepts reflect the community's values.

Please review the boards at the next four stations and share your thoughts about which key design elements you like the most, and why.

## Station 3: Thru

This station shares a revised illustration of the Thru concept, along with the design elements it includes that make it unique. The design elements are listed below.



### **SUSTAINABILITY**

Not a primary feature for this design



### **PATH EXPERIENCE**

A wide, communal shared pathway



### **DRIVING EXPERIENCE**

Drivers can see the river from the main span



### **FORM**

A modern evolution of the historic and local truss form



### **OVERLOOK EXPERIENCE**

Separate overlooks provide private and more intimate spaces to enjoy the river

For this concept, select the two design elements you like the most:

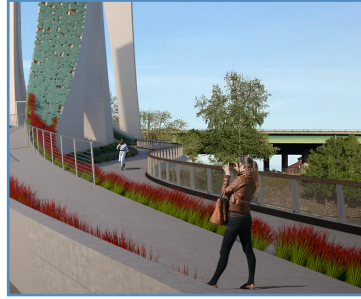
- Sustainability Why? \_\_\_\_\_
- Path experience Why? \_\_\_\_\_
- Driving experience Why? \_\_\_\_\_
- Overlook experience Why? \_\_\_\_\_
- Form Why? \_\_\_\_\_

# Station 4: Garden

This station shares a revised illustration of the Garden concept, along with the design elements it includes that make it unique. The design elements are listed below.



**SUSTAINABILITY**  
Plants symbolize the community's green values; plants lower carbon dioxide



**PATH EXPERIENCE**  
Two pathways allow for different experiences: one elevated and direct, the other low and meandering



**DRIVING EXPERIENCE**  
Focus on the road



**FORM**  
An unique form that can both blend in and stand out



**OVERLOOK EXPERIENCE**  
There are lots of places to sit and look at the river, at an elevated vantage

For this concept, select the two design elements you like the most:

- Sustainability      Why? \_\_\_\_\_
- Path experience      Why? \_\_\_\_\_
- Driving experience      Why? \_\_\_\_\_
- Overlook experience      Why? \_\_\_\_\_
- Form      Why? \_\_\_\_\_

# Station 5: Spring

This station shares a revised illustration of the Spring concept, along with the design elements it includes that make it unique. The design elements are listed below.



**SUSTAINABILITY**  
Not a primary feature for this design



**PATH EXPERIENCE**  
Three travel zones separate faster commuters, regular speed walkers, and stationary loungers.



**DRIVING EXPERIENCE**  
Drivers can see the river from the main span



**FORM**  
Towers at an iconic skyline scale; a main span that is a recognizable arch form unique to the area



**OVERLOOK EXPERIENCE**  
The bridge provides a communal area to enjoy the river

For this concept, select the two design elements you like the most:

- Sustainability      Why? \_\_\_\_\_
- Path experience      Why? \_\_\_\_\_
- Driving experience      Why? \_\_\_\_\_
- Overlook experience      Why? \_\_\_\_\_
- Form      Why? \_\_\_\_\_

## Station 6: Solar Arch

This station shares a revised illustration of the Solar Arch concept, along with the design elements it includes that make it unique. The design elements are listed below.



### SUSTAINABILITY

A flagship statement for renewable energy; working photovoltaic panels give energy back to the grid



### PATH EXPERIENCE

A wide, communal pathway is streamlined with minimal amenities



### DRIVING EXPERIENCE

Focus on the road; the driver's view is slightly obstructed by the main span structure



### FORM

A grand, immediately recognizable icon for the city and region



### OVERLOOK EXPERIENCE

Streamlined pedestrian travel is the most important

For this concept, select the two design elements you like the most:

- Sustainability      Why? \_\_\_\_\_
- Path experience      Why? \_\_\_\_\_
- Driving experience      Why? \_\_\_\_\_
- Overlook experience      Why? \_\_\_\_\_
- Form      Why? \_\_\_\_\_





Are there any other design elements the team should consider?

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Rank, in order of preference from most important to least important, the bridge design elements.

1 = Most Important

5 = Least Important

- Sustainability
- Path experience
- Driving experience
- Form
- Overlook experience
- Other: \_\_\_\_\_

## Station 7: Other Design Elements

This station provides examples of additional bridge design elements that the architect and project team will need to consider as the final design phase progresses. An overview of these elements are listed below. Please review the board at this station and share your thoughts about these elements.

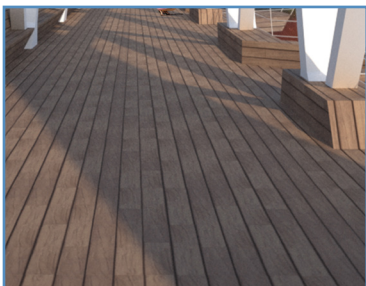
For each of the below design element categories, please select your top favorite only.



### PLANTS ON THE MAIN LIFTING SPAN OF THE BRIDGE

- Important
- Not important

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



### MATERIALS

- Wood**  
Warm, human scale textures

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



- Steel**  
Flexibility with paint color options



- Concrete**  
Durable & maintenance friendly



### SHADE

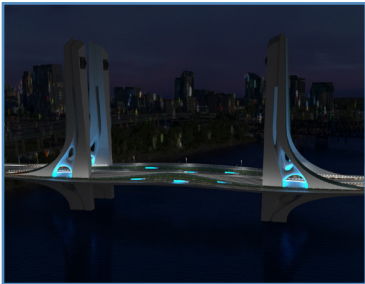
- Vital to the success of pedestrian spaces.
- Nice to have, but not essential.
- Not needed. The river breeze will cool the bridge.

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



### AESTHETIC LIGHTING

- Highly visible**  
An active participant in the city's nightscape
  
- Minimal**  
Understated and simplistic



Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Station 8: I Street Bridge Deck Conversion

West Sacramento is partnering with the City of Sacramento on the I Street Bridge Deck Conversion Project. This station provides an overview and anticipated schedule for the project, which proposes to transform the upper deck of the existing I Street Bridge to serve only pedestrians and bicyclists.

The project may save a portion of the roadway approach structures on each end of the existing bridge to accommodate access points for pedestrians and bicyclists. Access to the elevated structure may include a combination of ADA compliant ramps, stairways, and possible elevators on both sides of the Sacramento River.



# COMMUNITY WORKSHOP #2

## Wednesday, July 10 6:00 - 7:30 p.m.

At 6:30 p.m., Noel Shamble, Lead Architect, will give a short presentation.  
Arrive at 6:00 p.m. for an open house.

### River Walk Park \*

651 2nd Street, West Sacramento

RSVP: [ibridgemeeting.eventbrite.com](http://ibridgemeeting.eventbrite.com)

*RSVPs are requested, but not required.*

Join us at the second of three community workshops to review updated bridge concepts and provide your thoughts on key design elements.

The lead architect and project team will be available to answer questions.



\* new meeting location 651 2nd Street



Paid parking available at the Ziggurat  
Street parking available in West Sacramento

### About the Project:

In October 2018, T.Y. Lin International was selected to join the Mark Thomas and Company project team to provide the architectural design for the I Street Bridge Replacement project.

The new bridge will cross the Sacramento River between the Sacramento Railyards and the West Sacramento Washington neighborhood and provide a new automobile, bicycle, transit, and pedestrian crossing.

Learn more at:

[www.http://bit.ly/istreetbridge](http://bit.ly/istreetbridge)



### Questions?

Call: 916-442-1168 or

email [vbuckley@aimconsultingco.com](mailto:vbuckley@aimconsultingco.com)

