

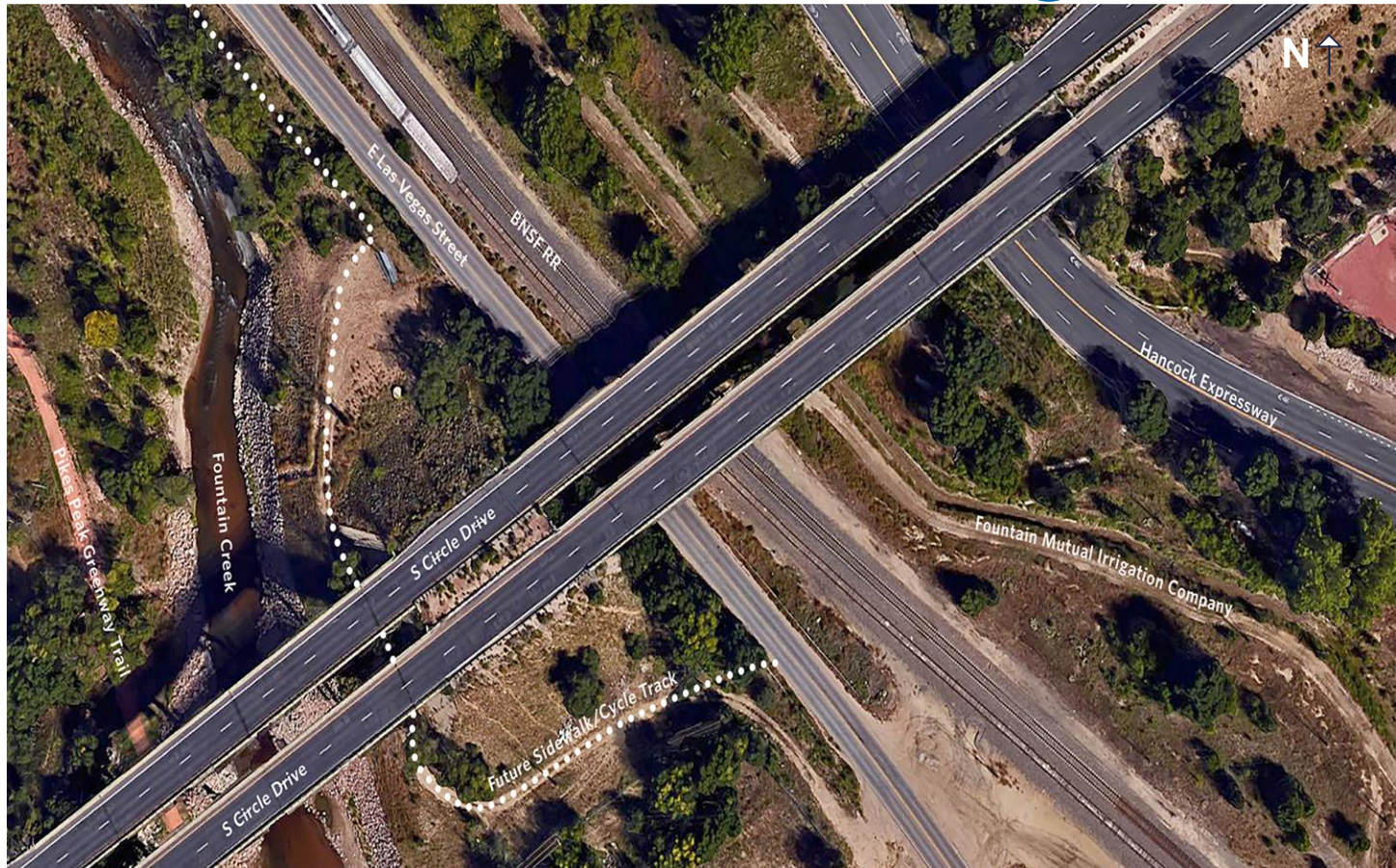
CIRCLE DRIVE BRIDGES REPLACEMENT PROJECT

City Council Presentation

Ryan Phipps, P.E.
and Student Ambassadors

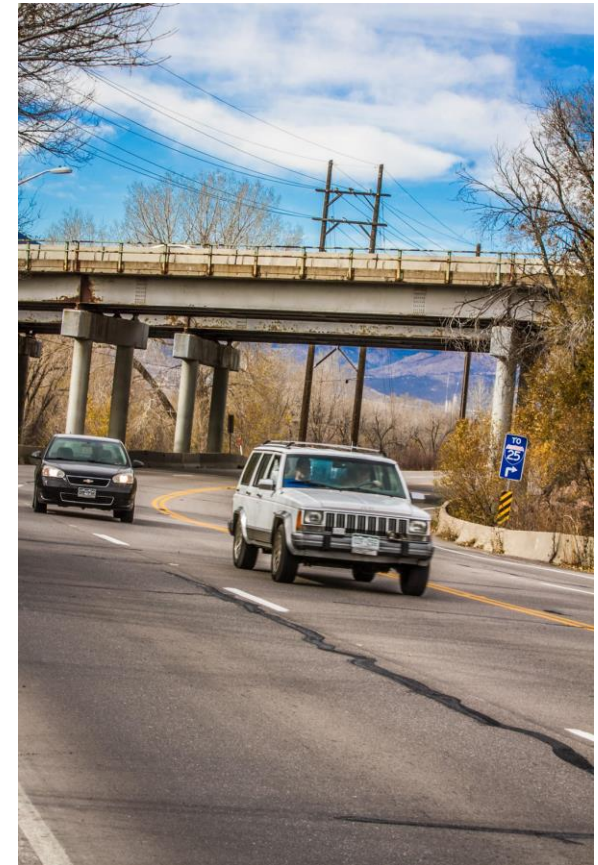


Circle Drive Bridges



About the Bridges

- **1963** – Bridges constructed
- **2007** – The City of Colorado Springs began looking into the rehabilitation of these structures
- **Now** – The bridges have exceeded their 50-year service life by more than five years and are in need of significant repairs!



Funding for next steps is included as a "Priority A" capital project under the Pikes Peak Rural Transportation Authority (PPRTA)

Phase I: Rehabilitation or Replace?

In 2018, both alternatives were analyzed to determine the best long-term investment for the City.

Evaluation factors include:

- Potential to meet current design requirements
- Initial construction costs
- Long-term operation and maintenance costs



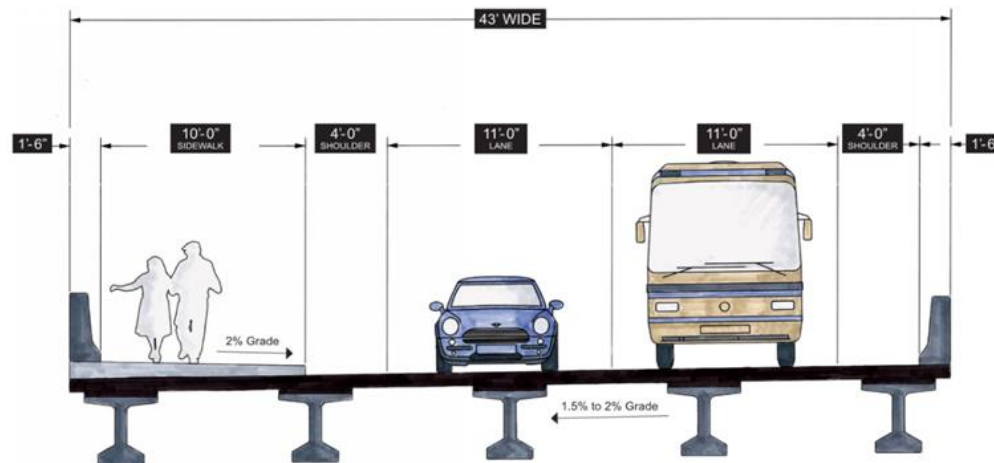
Phase I: Alternatives Comparison and Recommendation

	REPLACEMENT	REHABILITATION
MEETS CURRENT DESIGN LOADS	YES	NO
INITIAL CAPITAL INVESTMENT	5 \$	5 \$
MAINTENANCE COSTS OVER THE NEXT 30 YEARS	1 \$	2 \$
MAINTENANCE COSTS OVER THE NEXT 30-75 YEARS	2 \$	5 \$
ADEQUATE BICYCLE/PEDESTRIAN FACILITIES	Yes (Icons: person, checkmark, bicycle)	No (Icons: person with X, bicycle)
ACCOMMODATES FUTURE REGIONAL TRAIL	YES	YES
CONSTRUCTION DURATION	24 MONTHS	18-24 MONTHS
AESTHETIC OPPORTUNITIES	More Opportunity (Slider: 10% to 90%)	Limited (Slider: 90% to 10%)
ACCOMMODATES HANCOCK BIKEWAY AND LAS VEGAS FUTURE IMPROVEMENTS	More Opportunity (Slider: 10% to 90%)	Limited (Slider: 90% to 10%)
GEOMETRIC AND ENVIRONMENTAL IMPACTS	Increased (Slider: 10% to 90%)	Little (Slider: 90% to 10%)
FOUNTAIN CREEK SCOUR MITIGATION	More Opportunity (Slider: 10% to 90%)	Limited (Slider: 90% to 10%)
	BEST LONG-TERM INVESTMENT	NOT RECOMMENDED

Phase II: Time to Rebuild

Extensive analysis led the City to determine that replacing the bridges is the best solution.

Now: the design team is further evaluating the span configuration, roadway typical section, and traffic phasing.



Student Ambassador Program

Students at Harrison High School have been involved in the project and acting as representatives to their community!

Their role has included:

- Adding ideas and insight to the aesthetics and outreach methods
- Getting feedback from their community and bringing back to the project team
- Learning about the decision to replace the bridges and the design process



Student Ambassadors

Student Introductions

School: Harrison High School

Grade: 10th & 11th

Role in this Project:

We have all chosen to be a part of the communication and community involvement group. We chose this because we would like to gather the opinions of our community members and get a greater input on our final project outcome.



How We are Helping the City

~ We are helping make sure that the City is getting fixed up and looking better to make our environment better than ever.

~ We are also making sure that we are making project decisions not just as a project team but as the community of Colorado Springs.



The Benefits to Us Students

We've learned:

- ~ A different perspective of something we use daily.
- ~ A better understanding of how important a simple structure is to our everyday lives.
- ~ Why the restoration/rebuilding of the bridge will take a while.
- ~ Knowledge on the dangers that the bridge may introduce to our community if not addressed.



A Unique Opportunity

- ~ It teaches us individuals what is really going on in our society (things that need to be fixed).
- ~ We get to lend a hand to our community.
- ~ Not everyday do you get to see a student ambassador out there or helping service their community, so having this opportunity might help student ambassadors seek a career in this field or even take interest into other community service opportunities.
- ~ This opportunity gives us a new perspective on our community and helps us take our own action to help.



Thank you!

Questions?

Please join us for an upcoming public meeting for the project:
Thursday, April 25th from 5:30 – 7 p.m. (formal presentation at 6 p.m.)
Solid Rock Christian Life Center; 2520 Arlington Dr.
Colorado Springs, CO 80910