



I-25/Cimarron Interchange Design-Build Project



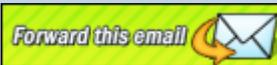
eNewsletter ▶

Colorado Department of Transportation

November/December 2016

In This Issue

- [I-25 Bridge Demolition Something Old Bikers and Pedestrians The Bridges of I-25 A Look Ahead](#)



Please forward/share this email with others who may have an interest in the I-25/Cimarron Interchange project.

Project Schedule

- Phase 0 Construction (offline): complete
- Phase 1 Construction (mainline work) begins: completes Fall 2016
- Phase 2 Construction begins: Late Fall 2016
- Fully Operational: Fall 2017

Stay Connected

Website: [Colorado Info Project](#)
 Email: dot_i25Cimarron@state.co.us
 Hotline: (719) 302-6781
 To receive project updates and construction notices, send an email to: dot_i25Cimarron@state.co.us

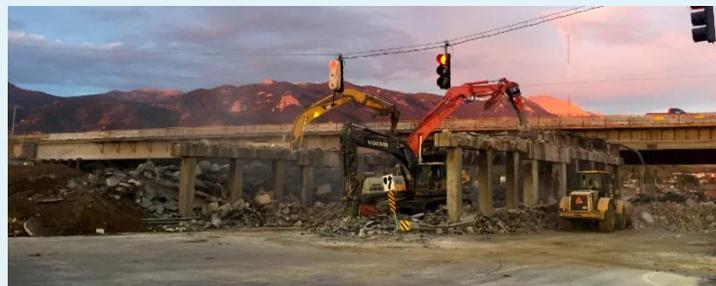
Quick Links

- [Project Website](#)
- [CDOT Website](#)

Project Team Completes 27-Hour Demolition of Old I-25 Bridge



After much anticipation and planning, demolition of the old Interstate-25 bridge is complete following a weekend closure of US 24/Cimarron Street. Months of planning and collaboration between the Colorado Department of Transportation, Kraemer North America LLC, City of Colorado Springs, Veterans Day Parade management and other key stakeholders, resulted in the successful demolition of the 1950's era bridge being completed in 27 hours and the reopening of US 24/Cimarron Street 24 hours earlier than expected.



The I-25 bridge crossing over Cimarron Street/US 24 is the largest bridge demolished on the I-25/Cimarron Interchange Design-Build project. The ability to temporarily close Cimarron Street/US 24 under the interstate for quick demolition saved what would otherwise have required several weeks (2-3) of overnight closures had the old bridge been removed in pieces. Not only that, but implementing a full weekend closure resulted in a much safer operation and guaranteed quality work.

"We appreciate the efforts of Kraemer and the entire project team to get the bridge demolition work done both efficiently and safely," said Dave Watt, CDOT

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Project Company Spotlight - Humane Society of the Pikes Peak Region

Founded in 1949, the Humane Society of the Pikes Peak Region (HSPPR) is a private, nonprofit animal welfare organization dedicated to the animals and people in our community. HSPPR rescues and cares for animals in distress, reunites lost pets with their owners, finds loving homes for homeless animals and teaches people how to properly care for and respect animals, as well as enforces licensing and other animal ordinances. Mission: A compassionate community where animals and people are cared for and valued. [CLICK HERE](#) for more information about the Humane Society of the Pikes Peak Region.

Prioritized Project Goals

Project goals were established and approved by the Executive Oversight Committee. The goals provide direction to the project team and to the design-build contractor team.

Project Goals

1. Maximize overall safety, capacity and operation of the interchange and the surrounding transportation network within the Project budget;
2. Complete Project construction to be fully operational before winter 2017;

Project Manager. "We know the temporary closure of US 24/Cimarron Street was an inconvenience for the traveling public, so it's a bonus the work was completed earlier than originally expected."

With traffic now on the new pavement of the recently opened I-25 southbound lanes and with the old interstate bridge over US 24/Cimarron Street now removed, the project moves forward to its second half of work on the northbound I-25 mainline and off- and on-ramps. [CLICK HERE](#) to view demolition of the I-25 bridge.

Something Old, Something New



Something old is now something new. New for Humane Society of the Pikes Peak Region (HSPPR), that is. A pedestrian bridge that once spanned Fountain Creek to the north of Cimarron Street, east of I-25 was planned for demolition because a new pedestrian bridge is being built as part of the I-25/Cimarron Interchange project trail improvement work. Instead, the project contractor, Kraemer, relocated the intact old bridge structure at the Humane Society site, connecting the main animal shelter over a drainage canal to their future dog park area.

Months of coordination between the I-25/ Cimarron project team and the Humane Society was required. Prior to the installation, the Humane Society hired G.E. Johnson to pour the bridge foundation. After disconnecting the old bridge, the project team used a crane to lift it onto a flatbed truck and transported it to its final destination. Once there, the crane lifted the bridge and set it into place. The partnership between both entities made use of an otherwise no longer needed bridge while providing a much needed connection for the Humane Society.

"The repurposed bridge will work well for the Humane Society of the Pikes Peak Region for years to come. We

3. Minimize impacts and inconvenience to the community, motorists, businesses, downtown and the public during construction; and

4. Achieve an aesthetically pleasing design compatible with current and future amenities and enhancements in and around the interchange.

Phase 1 Complete

April 2016 to Late 2016
Online Work

- Northbound I-25 off-ramp fill south of US 24
- Permanently closed/removed southbound I-25 loop exit ramp to Cimarron Street/US 24
- Opened new southbound I-25 exit ramp to Cimarron Street/US 24
- Temporary concrete plant will remain operational through next summer, 2016
- Fill under I-25 Southbound on-ramp
- Southbound I-25 south end - fill under new alignment
- Pave US 24 and Cimarron tie-ins
- Southbound south-end overlay for tie-in
- Upper Fountain Creek work
- Completed Phase 1 foundation work for the new I-25 bridge (piers, abutments, etc.)
- Demolition of the south half of the Cimarron over Fountain Creek bridge
- Phase 1 girder set and deck pour for the US 24 bridge over Fountain Creek
- Implemented southbound I-25 lane split to allow for reconstruction of the southbound lanes and to prepare for the final alignment of I-25
- Phase 2 girder set for the US 24 bridge over

were glad we could be a part of it," said Mike Ingram, Kraemer project manager.

Now that the dogs and volunteers will have access, HSPPR is raising funds to complete the dog park. "Every dog is walked every single day, made possible thanks to nearly 1,000 caring volunteers," said Director of Development Randy Harrelson of the HSPPR.

With as many as 150 dogs in HSPPR care on any given day, the dogs and dog walkers are covering a lot of ground. "For a limited time, every donation will go even further! Thanks to a generous contribution from the Sonny Hearst Charitable Fund, gifts will be matched up to \$20,000!," said Harrelson.



The Humane Society is seeking help to build its dog park for furry friends to run and play while they wait for their new forever home. Donations will go toward tree plantings, walking path construction, fenced off-leash areas, and other aspects of the dog park. For more information visit:

<https://www.hsppr.org/springs/HSPPR>

Bikers and Pedestrians will Experience Improvements

The Interstate-25 and US 24/Cimarron Street Interchange Design-Build project includes several bike and pedestrian trail improvements. Design of the project is nearing completion, and construction has passed the half-way mark, scheduled to be operationally complete by December 2017.

Fountain Creek

- Set girders for the Cimarron and I-25 bridges

[CLICK HERE](#) to view the project phasing information.

Project Partners

- Colorado Department of Transportation
- Federal Highway Administration
- City of Colorado Springs
- El Paso County
- The Community

Construction Vocabulary:

- Precast: Concrete building components, formed and cured at an off-site fabrication yard and transported to a work site for erection.
- Girder: structural beams supporting the bridge deck.
- Span: horizontal distance between structural supports such as walls, columns and abutments.
- BulbTee or BT: I-shaped girders.
- Box girders: box shaped girders; inside is hollow or filled with foam
- Splice: connection point of girders.
- Pre-tension: cables are stressed (pulled or tensioned) before concrete is cast.
- Post-tension: cables are stressed (pulled or tensioned) after concrete is cast.

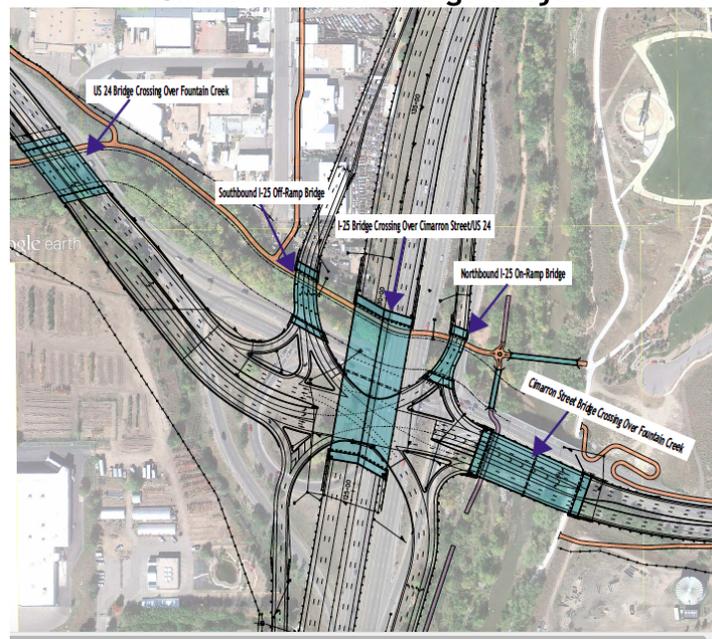
What the Project Involves

Planned improvements include reconstructing I-25 between Colorado Avenue (to the north) and the Nevada Avenue/Tejon Street interchange (to the south), and include a continuous northbound travel lane between the south Nevada Avenue/ Tejon Street interchange and the

- The previous asphalt-surfaced Midland Trail passed below I-25 through a former railroad tunnel. The new alignment of the Midland Trail will be along Upper Fountain Creek with a concrete surface, aesthetic features and improved lighting under I-25.
- Construction of new trails will connect to the regional trail system in Colorado Springs to the east and west of the project.
- Placement of one new pedestrian bridge over Monument Creek enables more convenient connection between the Midland Trail and pedestrian/bicycle transportation routes to the east of the project, including a new access pathway to America the Beautiful Park.
- Replacement of one pedestrian bridge over Upper Fountain Creek.
- Coordination with the City of Colorado Springs for construction of new trail system west of US 24, which connects to city trails planned west of the project limits and along Fountain Creek.
- Improved landscaping, decorative panels, and other aesthetic features along trails throughout the project limits.



The Bridges of I-25 / Cimarron Interchange Project



[CLICK HERE](#) to enlarge

Cimarron interchange. Project boundaries on Cimarron are between 8th Street to the west and the Cimarron bridge over Fountain Creek to the east. Once construction is complete in 2017, the project will provide:

- Improved interstate and interchange operations and safety;
- Improved highway alignment and improved ramps, acceleration/deceleration lanes for increased vehicle storage and safety;
- New I-25 bridge structures;
- New connection between 8th Street and Cimarron Street;
- Improved trail connectivity and aesthetic treatments.
- Reconstruction of approximately 2,100 feet of Upper Fountain Creek, enhancing stream habitat.

Progress Photos



I-25 Bridge Demolition



I-25 Bridge Demolition

Five roadway bridges are being constructed as part of the I-25/Cimarron Interchange Design-Build project. Due to tight geometric constraints on the project, each bridge is unique. Below you will find what makes each of these bridges different.

Not familiar with construction jargon? Be sure to refer to the left column for definitions.

I-25 bridge crossing over Cimarron Street/US 24

- Built in Phase 1 and 2
- Spliced, post-tensioned precast BT girders
- 2-span bridge
- Length: 359' 7"
- Width: 151' 4"



Cimarron Street Bridge crossing over Fountain Creek

- Built in Phase 1
- Pre-cast, pre-tensioned BT girders
- 2-span bridge
- Length: 259' 9"
- Width: Varies from 121' 11" to 110' 1"



US 24 bridge crossing over Fountain Creek

- Built in Phase 0 and 1
- Precast, pre-tensioned box girders
- 2-span bridge
- Length: 148' 11"
- Width: 109'



Southbound I-25 off-ramp bridge to Cimarron Street/US 24

- Built in Phase 1
- Cast-in-place slab bridge
- 3-span bridge
- Length: 131' 4"
- Width: Varies from 104' to 58' 6"



Northbound I-25 on-ramp bridge from Cimarron Street/US 24

- Built in Phase 2
- Cast-in-place slab bridge
- 3-span bridge
- Length: 116' 2"
- Width: 82' 1" to 42' 6"



Old Midland Trail Demo under I-25



Old Midland Trail Demo under I-25



Fish panels on Pikes Peak Greenway Trail

Additional Project Information

For more information about the project, visit the [CDOT website project page](#). To receive future I-25/Cimarron project e-newsletters and construction notices, send an email to dot_i25Cimarron@state.co.us.

A Look Ahead

Phase 2 - Late 2016 to Summer 2017

- Pave northbound I-25
- Northbound I-25 on and off-ramp realignment work
- Install lighting signals and signs on Cimarron Street/US 24
- Provide additional lanes for 8th Street connection on US 24
- South end of project - northbound overlay for tie-in
- Northbound I-25 bridge work
- Northbound I-25 on-ramp bridge over Upper Fountain Creek
- Stream channel reconstruction and multi-use trail extension
- Begin landscaping
- Pedestrian bridges over Upper Fountain Creek and Monument Creek

Phase 3 - Summer 2017 to Late 2017

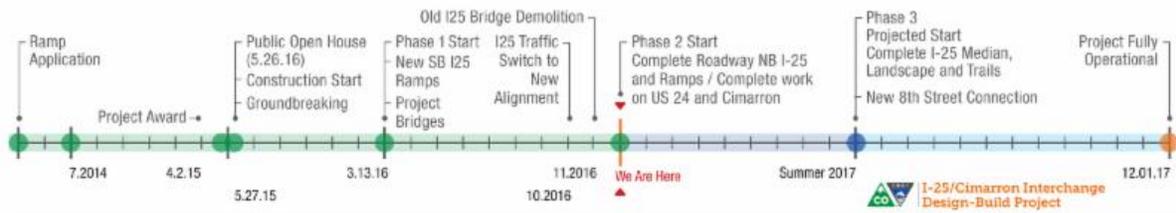
- Landscaping
- Finish aesthetics
- Install median barrier, lighting, conduit
- Final striping
- Laterals/inlet tie-ins
- Finish island/median curbs
- Complete remaining trails and stream improvements
- New connection between 8th St. and Cimarron St. - Connector is anticipated to reduce traffic at the intersection 20 percent on weekdays and 40 percent on weekends.

Pikes Peak Greenway Trail - Gravel Section Closed:

- The gravel section of the Pikes Peak Greenway trail is closed through spring 2017. The paved section of the trail (east of Fountain Creek) will remain open.

You Can Also Expect:

- Speed reduction to 55 mph on I-25 between Colorado Avenue and south Nevada/Tejon Street and 30 mph speed reduction on US 24 between 8th Street and I-25
- Narrowed lanes and reduced shoulders
- Three lanes maintained northbound and southbound I-25 during the day



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