



DENVER
THE MILE HIGH CITY

Project At-a-Glance

Project Scope

The US 6 Bridges Design-Build Project includes improvements along US 6 from approximately Knox Court on the west through the existing US 6 bridge over the Burlington Northern Santa Fe Railroad tracks just east of I-25.

The project includes replacing six existing bridges and building six new bridges, building new ramp structures to accommodate traffic exiting and entering US 6 while minimizing traffic weave movements, constructing a bicycle/pedestrian bridge over US 6 to connect Barnum Park North and Barnum Park South, improving mobility through the I-25/US 6 interchange and replacing impacted facilities in Barnum Park East.

Project Partners

The Federal Highway Administration, Colorado Department of Transportation (CDOT), City and County of Denver and the Colorado Bridge Enterprise are all providing funding for this project, which will cost an estimated \$98 million. Edward Kraemer and Sons, Inc. is delivering the project with the assistance of their lead design consultant Felsburg, Holt & Ullevig.

Project Timeline

Roadwork is scheduled to begin in February 2014 and the project is scheduled to be complete by the fall of 2015. This anticipated completion timeframe is nearly one year ahead of CDOT's original completion deadline.

Project Benefits

This project has several benefits both for drivers and park users. In terms of roadway improvements, this project will replace bridges that are in poor condition and/or functionally obsolete. It will also improve traffic flow through the I-25/US 6 interchange and address "bottleneck" conditions by building separate ramp lanes for motorists to exit or enter US 6 without mixing with through traffic. The improvements to safety and mobility will provide for an efficient transportation system that supports economic and job growth.

In terms of off-road enhancements, the project will connect Barnum Park facilities on the north and south sides of US 6 with a bicycle/pedestrian bridge, improve park trails and landscaping and facilitate all-season use of Barnum Park East with the construction of a synthetic turf field.

The Design-Build Team

The US 6 Bridges Design-Build Project is being designed and constructed by a single, unified team comprised of the construction contractor, Edward Kraemer and Sons, Inc., and the designer, Felsburg Holt & Ullevig (FHU). These companies bring a true understanding of the community, having worked on more than 20 projects within a three mile radius of this project area.



Edward Kraemer and Sons, Inc.

Edward Kraemer and Sons, Inc. was established in 1911 with roots founded in the construction of bridges and highways. Since then the firm, which has a regional office in Castle Rock, has grown into a full service heavy civil and industrial contractor.

Along with rebuilding the Speer Boulevard bridge over the Platte River and Water Street for the City and County of Denver, Kraemer and Sons built the first phase of improvements in the Academy Boulevard and Woodmen Road intersection in Colorado Springs to convert the at-grade intersection into a grade separated interchange by lowering Academy Boulevard approximately 12 feet. This project received the 2012 Engineering Excellence Award from the American Council of Engineers in Colorado and was recognized as the Best Civil Works Project in the mountain states by Engineering News Record magazine.

Felsburg Holt & Ullevig (FHU)

Based in Centennial, FHU is a consulting firm that specializes in transportation and environmental planning, traffic engineering and transportation system design.

Transportation planning has been a core practice area since the company's founding in 1984, and the firm has completed thousands of projects for public and private sector clients, always with a goal of keeping traffic flowing and efficiently and safely as possible.

The Colorado chapter of the American Council of Engineering Companies recognized FHU with its 2013 Engineering Excellence Award for the design of the I-25 and Alameda Avenue Bridge reconstruction project.



Ramp Closures and Traffic Impacts

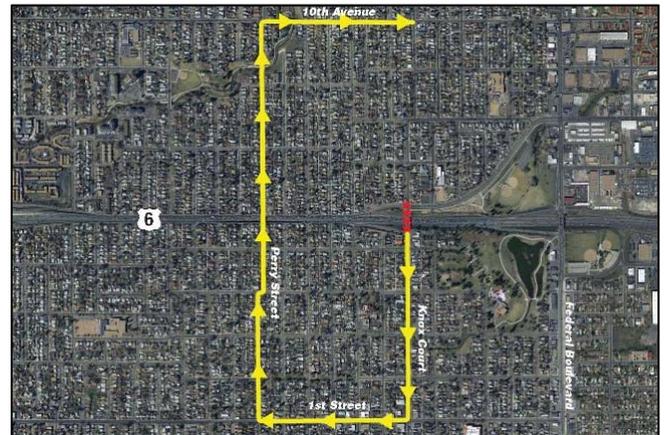
To facilitate the construction of new bridge structures and the reconstruction of several existing bridges, motorists can expect various ramp closures and traffic impacts which include:

Knox Court Bridge over US 6

This bridge will close in February and remain closed for about 3 months



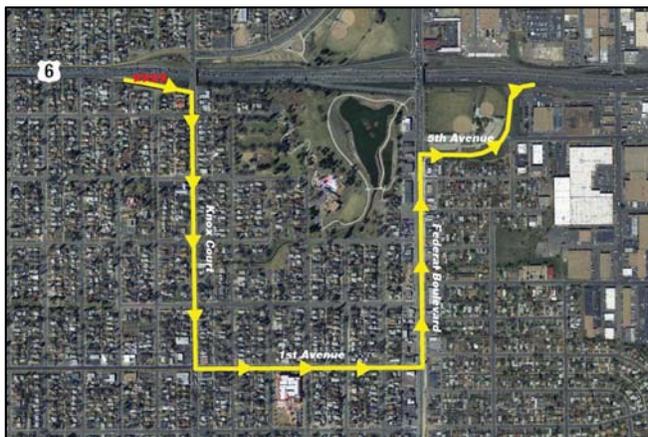
Detour route from the north side of US 6 to the south: West on US 6 Frontage Road to Perry Street; south on Perry Street to eastbound US 6 Frontage Road; east on Frontage Road to Knox Court



Detour route from the south side of US 6 to the north: South on Knox Court to 1st Avenue; west on 1st Avenue to Perry Street; north on Perry Street to 10th Avenue; east on 10th Avenue to Knox Court

Eastbound US 6 Frontage Road on-ramp to eastbound US 6

This on-ramp will close in February and remain closed for about 3 months



Detour route: South on Knox Court to 1st Avenue; east on 1st Avenue to Federal Boulevard; north on Federal Boulevard to 5th Avenue to reach eastbound US 6

Northbound I-25 off-ramp to EB US 6

This off-ramp will close in February and remain closed for about 6 months



Detour route: Exit at 8th Avenue; east on 8th Avenue to Kalamath Street; south on Kalamath Street to eastbound US 6

Southbound I-25 off-ramp to EB US 6

This off-ramp will close in the summer of 2014 and remain closed for about 8 months



Detour: South on I-25 to 8th Avenue; east on 8th Avenue to Kalamath Street; south on Kalamath Street to eastbound US 6

Bryant St. on-ramp to westbound US 6

This on-ramp will close in February and remain closed for about 1 year



Detour route north of 6th Avenue: Take Bryant Street/Canosa Court north to 8th Avenue; east on 8th Avenue to Zuni Street; south on I-25 to westbound US 6.

Alternate detour route: Go west on 8th Avenue to Federal Boulevard and south on Federal to the westbound US 6 on-ramp.

Eastbound US 6 off-ramp to Bryant St.

This off-ramp will close in February and remain closed for about 1 year



Detour route: Exit at Federal Boulevard

Federal Boulevard Bridge over US 6

While the Federal Boulevard Bridge will be rebuilt in phases and will remain open during reconstruction, motorists can expect lane reductions on Federal Boulevard.

Overview of Barnum Park Improvements

Along with the roadway improvements being made as part of the US 6 Bridges Design-Build Project, there are various enhancements planned for the Barnum Park facilities. While some of the park work will be done this spring, much of it will continue until the spring of 2015. Overall project completion is scheduled for fall 2015. Park improvements being made as part of this project include:

Barnum Park North

- Pedestrian bridge connection to Barnum Park South
- Reconstruction of Weir Gulch trail along 8th Avenue
- New drop-off area to south of existing parking lot
- Parking lot improvements
- Trail connection to Federal Boulevard

Barnum Park South

- Pedestrian bridge connection to Barnum Park North
- New trail connection
- Shelters and benches



When the project is complete in 2015, a bicycle/pedestrian bridge will span US 6 to connect Barnum Park North with Barnum Park South.

Barnum Park East

- Installation of synthetic turf field
- Raising the grade of the synthetic turf field to provide a noise barrier between US 6 and residents along 5th Avenue
- Expansion of ball field warm-up area
- Enhanced landscaping



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Initial project work requires full US 6 closure

What

US 6 will be closed in both directions between I-25 and Sheridan Boulevard

When

Friday, Feb. 7 at 9 p.m. until Monday, Feb. 10 at 5 a.m.

Why

Crews will be doing several activities during the weekend that individually would require additional highway closures. To minimize impact on the traveling public, the following work will be done during this single highway closure:

- Demolition of the Knox Court bridge over US 6
- Partial removal of the Federal Boulevard bridge over US 6
- Relocation of an overhead power line near the S. Platte River
- Removal of the center median barrier and sign structures to facilitate US 6 traffic shifts
- Installation of temporary concrete barriers along US 6
- Temporary asphalt paving and lane restriping for highway traffic shifts

Details

When the highway reopens Monday, Feb. 10, US 6 traffic will be put in a temporary alignment that will remain the same for about eight months. If the center median barrier removal was done with overnight single lane closures it would take about three weeks to do this work and traffic would be shifted gradually day-by-day, creating a condition of continual change for motorists. By performing this work concurrently, it also eliminates two full closures of US 6.

Traffic impacts

The following closures will still be in effect when the highway reopens Monday, Feb. 10:

- The Knox Court bridge over US 6 will be closed for about three months for reconstruction
- The Lowell on-ramp to eastbound US 6 and the off-ramp from westbound US 6 also will be closed for about three months while this bridge is being rebuilt
- The Bryant Street on and off-ramps will be closed for about one year for construction of the collector-distributor roads on both sides of US 6
- The Federal Boulevard bridge over US 6 will be reduced to two lanes in each direction and the eastbound US 6 off-ramp to Federal Boulevard will be reduced to one lane

US 6 Detours

During the weekend closure of US 6, through traffic should use US 285, I-70 and C-470 while local traffic can use Alameda Avenue or Colfax Avenue to detour around the closure

Knox Bridge Detours

During the three-month closure of the bridge, motorists should use Perry Street to cross over US 6. Cyclists should use 5th Avenue, Perry Street and 7th Avenue to cross from one side of the highway to the other while pedestrians should follow the Barnum Park trail system that connects to Federal Boulevard.

Bryant Street on-ramp to westbound US 6 Detour



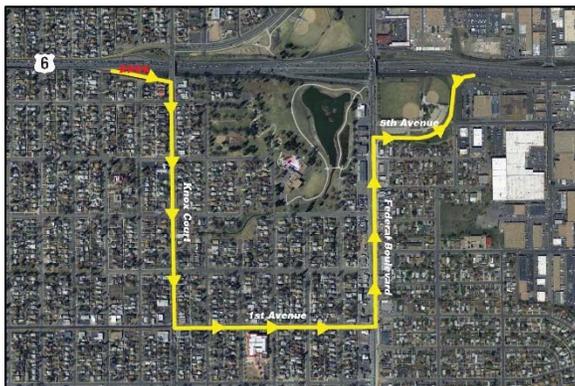
Vehicles should go north on Bryant Street/Canosa Court to 8th Avenue and either go east on 8th Avenue to Zuni to access southbound I-25 to westbound US 6 or west on 8th Avenue to Federal Boulevard. As of Feb. 7, 5th Avenue will open to two-way travel between Federal Boulevard and Decatur Street to get in and out of the industrial area.

Eastbound US 6 off-ramp to Bryant Street Detour



Eastbound US 6 vehicles should exit at Federal Boulevard and go south to 5th Avenue to access the industrial area.

Lowell on-ramp to eastbound US 6 Detour



Motorists should go south on Knox Court to 1st Avenue, east on 1st Avenue to Federal Boulevard, and north on Federal Boulevard to access eastbound US 6.

The US 6 Bridges Design-Build Project involves improvements along 6th Avenue from approximately Knox Court on the west through the BNSF railroad track bridge just east of I-25. The project includes building new bridges over Bryant Street, the South Platte River, BNSF railroad tracks, I-25 and over US 6 at Federal Boulevard and Knox Court. Substantial project completion is planned for August 2015.

During construction, commuters might want to consider alternative modes of transportation to help ease the impacts of the project. This could include using the Regional Transportation District's West Rail Line or bus service or taking advantage of carpool/vanpool options. For information on RTD services, call 303-299-6000. For carpool and vanpool information, call 303-458-7665.