

# Pecos Street over I-70

## Bridge Replacement/Interchange Improvements



December 2012

This month the Colorado Department of Transportation (CDOT) began an interchange improvement project at Pecos Street and I-70 that will replace the Pecos Street bridge over the highway – originally constructed in 1966 – construct roundabouts to improve safety, and build a pedestrian walkway over I-70.

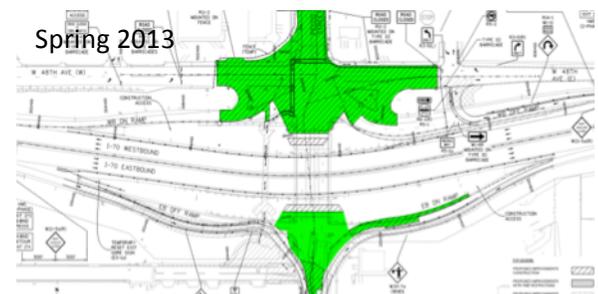
The partners on this \$17.5 million project include CDOT, Federal Highway Administration (FHWA) and the Bridge Enterprise. The project team is comprised of CDOT, Wilson & Company (designer) and Kiewit Infrastructure Inc. (contractor).



Rendering of the I-70/Pecos Street interchange after construction.

Over the next eight months you will see a lot of construction activity at this intersection. Here's a look ahead of what's to come:

- **Fall/winter 2012:** Eastbound I-70 on- and off-ramp work began in November. The ramps will remain open during construction but the lane widths will be reduced. A temporary signal will be installed to replace the existing signal on the south side of the interchange. Minimal utility work will be completed on West 48<sup>th</sup> Avenue in preparation for the full closure of Pecos Street next year. Crews will also be preparing for the installation of the pedestrian bridge and will begin building the Pecos Street bridge off-site, along I-70.
- **Spring 2013:** Pecos Street will close for approximately two months while the bridge support structure is constructed and the roundabouts are built. During this closure, detours will be provided. In late spring, I-70 will be closed for two days while crews roll out the bridge and demolish the existing Pecos Street bridge.



### Stay informed

- Visit the project website at [coloradodot.info/projects/pecosoveri70](http://coloradodot.info/projects/pecosoveri70)
- Contact the Public Information office at [Pecos.I-70@kiewit.com](mailto:Pecos.I-70@kiewit.com), or 303.672.1770.
- Sign up for weekly email updates and alerts by sending an e-mail to [pecosoveri70@wilsonco.com](mailto:pecosoveri70@wilsonco.com)

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- **Summer 2013:** Repair media barrier and minor construction activities.

### Project Funding

The project is being funded by several sources including: the Colorado Bridge Enterprise, a division within CDOT that uses a small portion of vehicle registration fees to repair and replace poor bridges on Colorado's highway system; Hazard Elimination Safety (HES) Program; and a \$4.38 million grant from the FHWA's Highways for Life Program.

### Did you know?

- The final bridge superstructure will weigh more than 2,400 tons and consist of more than 1,000 cubic yards of concrete and 300,000 lbs. of reinforcing steel.
- A recent study shows that roundabouts reduce total crashes by 35 percent and injury crashes by 76 percent (National Cooperative Highway Research Program Report 572).
- CDOT is including additional signage (overhead, roadway and pavement markings) to ensure that drivers can navigate through the roundabouts successfully.
- At this intersection, 130,000 vehicles travel I-70 per day and 19,000 vehicles travel Pecos Street per day.
- 7,200 feet, or 1.3 miles, of Post Tensioning will be used in the bridge deck.
- It will take 88 Self-Propelled Modular Transporters (SPMT) to move the bridge from where it's built off I-70, to its final location as Pecos Street over I-70.
- Each axle line of the SPMT is capable of carrying approximately 30 tons and are moved using computerized controls, run by an operator.
- The project is being delivered using a Construction Manager General Contractor (CMGC) method, which means that the Contractor was brought on during the design process to



Example of a Self-Propelled Modular Transporters (SPMT)

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provide input.

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