



# CONSTRUCTION ANNOUNCEMENT

## US 34 EAST PERMANENT FLOOD REPAIRS

### ◆ HISTORIC FLOODING REQUIRED TEMPORARY EMERGENCY REPAIRS

Historic rain in September 2013 caused a significant flood on the South Platte River near Greeley. As a result of water flooding over and pushing against US 34, an entire section roadway washed out east of the highway's intersection with US 34 Business. Portions of the westbound lanes were undermined east and west of the US 34 Business intersection. Sediment and debris were deposited throughout the area.

Within 17 days of the flood, CDOT built a temporary road around the area to re-establish this critical east-west connection. The temporary roadway work was completed quickly under state and federal emergency declarations. This allowed roadway work to be performed swiftly and safely, but the emergency repairs were never intended to be permanent.



### ◆ CDOT BUILDS BACK BETTER WITH RESILIENT DESIGN

The Colorado Department of Transportation (CDOT) has begun permanent flood repair work on US 34 between mileposts 114 and 116. CDOT has prepared a design that will be stronger and more resilient should another flood event occur. This \$22 million project will construct a new bridge where US 34 washed out. The project also includes installing a box culvert under the roadway and upgrading design elements to current CDOT standards. Engineering the roads better than they were before is at the heart of all of the permanent construction planned by CDOT in the wake of the 2013 flood.

#### *By the numbers...*

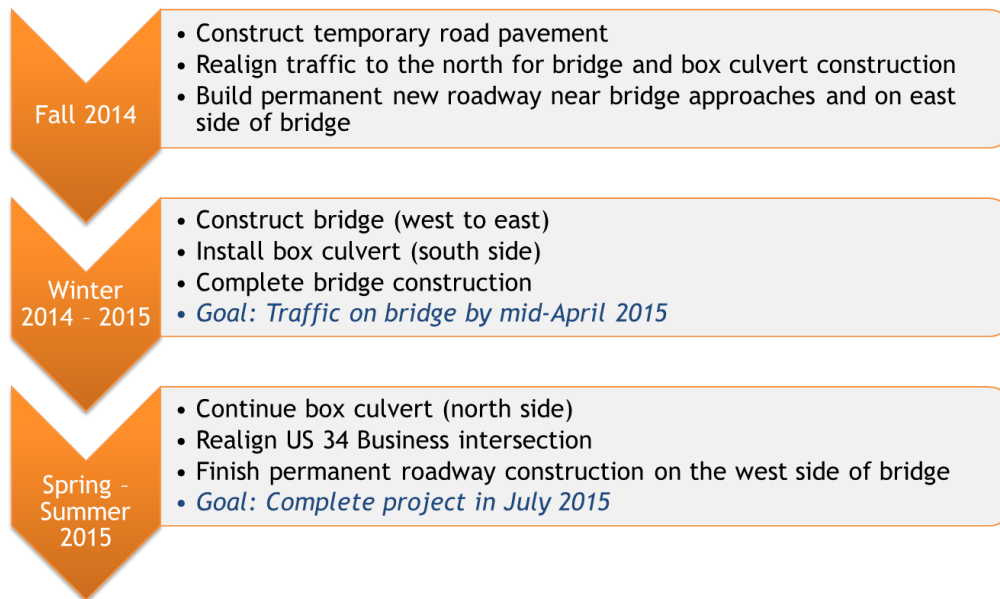
- 12,000 vehicles** - US 34 annual average daily traffic
- 16 feet** - depth of water applying pressure to south side of US 34 before failure
- 18,000 cubic yards** of dirt displaced
- 17 days** - duration of full road closure after the flood event
- 500 feet** of US 34 missing at the washout location
- \$1,500,000** emergency flood repair cost
- \$22,000,000** permanent flood repair cost
- 46,000 square yards** of new concrete pavement needed for construction
- 63,000 cubic yards** of new embankment material anticipated

## ◆ TEMPORARY ROAD MINIMIZES TRAFFIC IMPACTS

The contractor, Flatiron Constructors, will work through winter to expedite construction. Project completion is anticipated by mid-summer of 2015. The first phase of work includes constructing temporary road pavement; filling scour holes; realigning traffic to the north for bridge and box culvert construction; and building permanent new roadway near bridge approaches and on the east side of the bridge. By using a temporary road around the work zone, traffic conditions will stay similar to how they are today. Infrequent lane closures may be required during off peak hours.



### Project Milestones



## ◆ STAY INFORMED

Visit the project website at [www.coloradodot.info/projects/floodrelatedprojects/us-34-east](http://www.coloradodot.info/projects/floodrelatedprojects/us-34-east) for more information. Sign up for email and wireless (text) alerts. Go to CDOT's website at [www.coloradodot.info](http://www.coloradodot.info) and click on the green cell phone icon in the upper right hand corner of the page. Enter your information and choose "US34 Flood Repairs" under the "Colorado Flooding" list.

If you have questions or concerns, please call the project information line or send an email to the project email address below.

Project Information Line: 970-815-0901  
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