



BEFORE

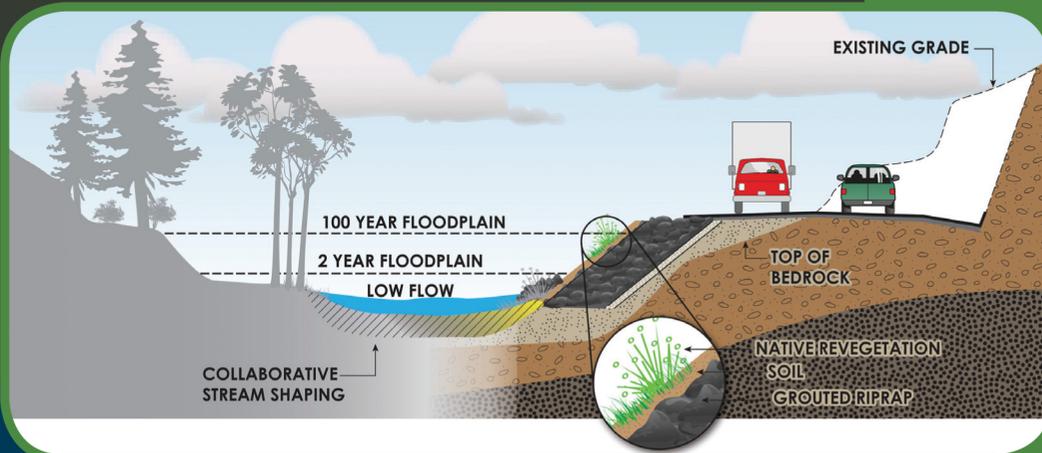


AFTER



COLORADO
Department of
Transportation

www.coloradodot.info/projects/floodrelatedprojects
Hotline: 720.263.1589



Permanent Repair Phase

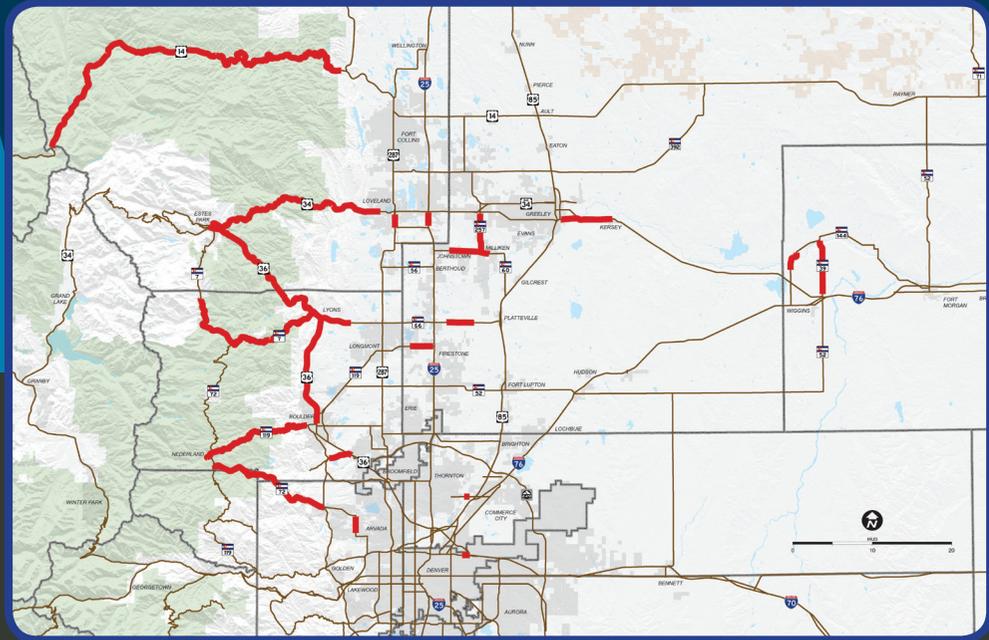
- Governor’s Challenge – “Build back better than before”
- There are **26 state permanent repair projects** covering 120 miles of roadway with a three-year goal for construction completion
- There are **47 local agency permanent repair projects** with a five-year construction completion goal
- Many projects, including US 34 Canyon and State Highway 7 Canyon, are in the planning stages – others are nearly ready to go to bid

Risk and Resiliency

- CDOT looking to build **resiliency** into the infrastructure system in order to be better prepared for future natural disasters.
- Working in partnership with Federal Highway Administration (FHWA) on Risk and Resiliency pilot allowing FHWA-Emergency Relief funding to be used toward roadway projects that take into consideration social, economic and environmental impacts.



The disaster impact area extends over 200 miles from north to south and includes communities from Pueblo to Fort Collins. Major statistics include the following:



- 486 miles of CDOT roadway were affected at the peak of the flood event, and 39 roadways were temporarily closed
- 200+ CDOT bridges and culverts were damaged
- More than 140,000 cubic yards of debris removed from highways, culverts, and stream channels
- More than \$535 million estimated in state highway and local roadway damage
- 10 fatalities
- 18,000 people forced from their homes
- 1,882 homes and structures destroyed 16,000 more damaged
- \$450 million received in FHWA emergency relief funds



Major Upcoming Flood Recovery Projects

US 34 (BIG THOMPSON CANYON)

- Scheduled to start in late 2015, this project will include removing and replacing much of the temporary asphalt, embankment fill and temporary channel protection; as well as re-vegetating, replacing guardrails, repairing a mile and a half of walls and repairing fencing. Several design solutions will be developed to evaluate ways to increase the capacity of the Big Thompson channel and provide the roadway additional high water relief to handle a large storm event.

US 34 (EAST OF GREELEY)

- Permanent repairs will include removal of debris and sediment, removal and replacement of concrete pavement overtopped by floodwaters, repair of damages utilities, removal of the temporary detour and construction of a new bridge. Project will begin in fall of 2014.

STATE HIGHWAY 7

- CDOT will be removing much of the temporary asphalt, embankment fill and temporary channel protection that took place during the emergency repair along with re-seeding and replacing guardrail. Alternatives will be evaluated to provide the St. Vrain River

increased channel capacity and room for a dynamic channel, while attempting to reconstruct the roadway outside the floodplain with adequate embankment armoring to protect for future storm events. This project is estimated to start late 2015.

STATE HIGHWAY 119 (BOULDER CREEK CANYON)

- Estimated to start in the spring of 2016, this project will include mitigating landslide areas, removing and replacing emergency repair asphalt and embankment, cleaning culverts, and guardrail replacement. For approximately two miles of severely damage roadway, the team will also evaluate potential alignments shifts and widening, rock blasting and safety improvements.

STATE HIGHWAY 72 (COAL CREEK CANYON)

- Permanent repairs will include culvert repairs, removing and replacing emergency repair asphalt and slope stabilization. Potential roadway alignment shifts and widening of almost two miles of severely damaged roadway, including new structures and rock blasting will be evaluated during the design process. This project is estimated to begin in late summer of 2015.