



I-70 Floyd Hill | The Live Lift

Building the future, one segment at a time

The I-70 Floyd Hill Project is entering a major construction phase as crews build a new westbound I-70 alignment along the hillside south of Clear Creek. This realignment will reduce the steep grade and sharp curve drivers experience today on I-70 at Floyd Hill to improve safety and traffic flow through the corridor. Construction of a cast-in-place segmental bridge, which will carry westbound I-70 in its new alignment, will begin in spring 2026 and continue through mid-2027.

What to Expect?

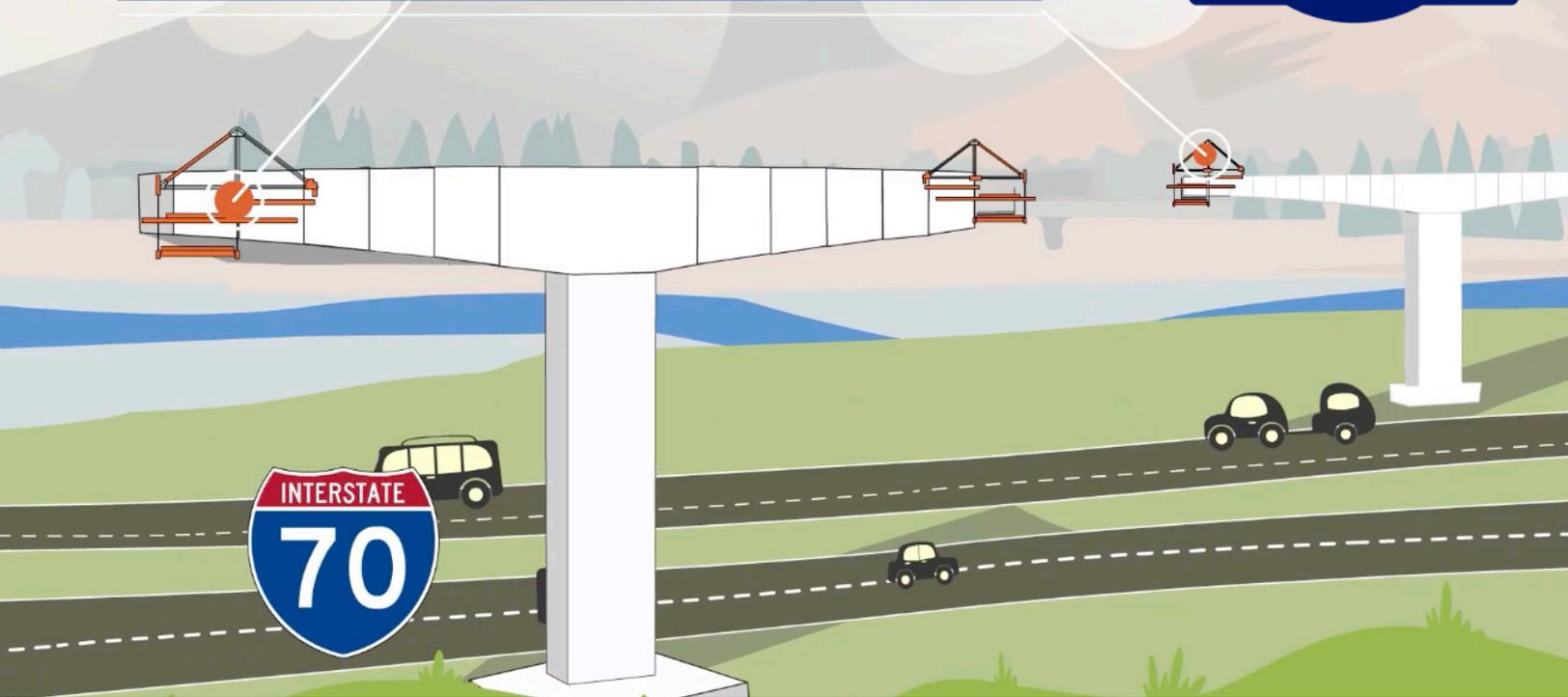
- A new westbound I-70 concrete cast-in-place segmental bridge will take shape at the bottom of Floyd Hill near the US 6 interchange (Exit 244) approximately 20 to 30 feet above the current I-70 alignment.
- A cast-in-place segmental bridge is built piece by piece: crews pour 15-foot concrete sections that extend outward from each bridge pier column like balanced arms (or a “T”) until the full span connects.
- Work will begin at the north pier over the current westbound I-70 lanes at the bottom of Floyd Hill, then shift to the south pier to complete the span over eastbound lanes.
- This construction method, which occurs above existing I-70 traffic, allows long-span bridges to be built with less impact to motorists, waterways and all nearby areas, and improves safety for the traveling public and crews.
- Intermittent overnight I-70 closures will occur as crews install, reposition and remove a movable platform, called a form traveler, which will be used to construct the bridge in segments.
- Stay focused, keep your eyes on the road and avoid distractions while driving through the work zone!

Rendering of the completed I-70 Floyd Hill Project alignment looking southwest, with westbound I-70 braiding over eastbound I-70 at the bottom of Floyd Hill and the new US 6 frontage road that connects to the Hidden Valley/Central City Parkway (Exit 243) interchange. The new westbound I-70 viaduct will be a concrete cast-in-place segmental bridge.





Movable platform that supports bridge construction



Cartoon animation illustrating segmental bridge construction, with two bridge columns and form travelers supporting the construction. Vehicles are shown traveling underneath construction.

Construction Terms. What's that?

- **Concrete Cast-in-Place Segmental Bridge:** A method for building a long-span bridge by adding concrete sections that extend outward from a bridge pier like balanced arms (or a "T"), gradually forming the full bridge span.
- **Bridge Pier:** A vertical, pillar-like structure that supports a bridge and the form traveler during construction.
- **Form Traveler:** A temporary, movable platform that supports the bridge deck during construction.
- **Span:** The distance between two support points for a horizontal bridge structure.

How is the segmental bridge built?



Check out The Live Lift animation video to see how the bridge is built!

Visit The Live Lift webpage at <http://codot.gov/projects/i70floydhill/livelift>

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