



#405Improvement

I-405 Improvement Project

Edinger Avenue Bridge

Frequently Asked Questions

What's involved in constructing the new Edinger bridge?

The bridge will be rebuilt in one stage. Detours are in place and are included in our interactive map at octa.net/405map. View a detailed list of closures and detours on the project website at octa.net/405improvement. The list is available as a PDF for printing or as an Excel file that can be sorted and filtered.

How long will it take to construct the new bridge?

Construction will take approximately 18 months.

How much wider will the new Edinger bridge be?

The new bridge will be approximately 83 feet wide, which is about 10 feet wider than the existing bridge.

What will be the height of the new Edinger bridge?

The new bridge will be approximately 26 feet tall, which is about 2 feet taller than the existing bridge.

Will any new ramps be constructed?

No. However, the existing on-ramp from eastbound Edinger to southbound I-405 is being reconfigured to two lanes for the length of the ramp.

How many lanes will the new Edinger bridge have?

The new bridge will have four lanes, the same as the existing bridge.

What about for bicyclists and pedestrians?

Once completed, the new Edinger bridge will have sidewalks and bicycle lanes in each direction.

What are the hours of construction activities?

In general, the contractor works two shifts, Monday through Saturday – a day shift from approximately 6 a.m. to 4 p.m. and a night shift from approximately 9 p.m. to 6 a.m. While much of the work will take place during the day, some activities, such as placing temporary barriers, striping lanes, shifting traffic and demolishing the bridge, must be done at night for safety reasons.

Other nighttime activities include placing and excavating dirt fill for the bridge abutments (the concrete structures supporting each side of the bridge). This work requires closing lanes on the freeway, which Caltrans only allows at night because of the impact on traffic. All activities that require freeway lane closures typically will be conducted at night.

What should the neighborhood expect during demolition?

Demolition of the bridge spans typically occurs across two weekends, one night per weekend. The bridge columns and abutments typically are demolished on weekdays, during the day and at night.

Demolition will include the use of equipment to break up concrete, metal workers removing rebar, and excavators, bulldozers and trucks to remove rubble. Water trucks will be on-site to keep dust to a minimum, as required. Additionally, crews haul demolished material to a nearby crusher yard to further break down materials.

Please be advised that these activities may be loud.

What's involved in constructing the new bridge?

After demolition, the general process is:

- Build the bridge abutments, which includes installing temporary shoring and excavation work, pile driving, and constructing the steel and concrete abutments.
- Construct new outside lanes on the freeway, adjacent to the abutments. Once completed, traffic will be shifted to these lanes to give crews access to the area in the middle of the freeway where the bridge center columns will be built.
- Build the bridge center columns, which includes excavation, pile driving, and constructing the steel and concrete columns.
- Install falsework for the new bridge. Falsework is the temporary steel beam and timber structure put in place to support the new bridge until it can support itself.
- Construct bridge superstructure and deck, the horizontal bridge component that spans the freeway.
- Construct bridge barrier and approaches; pour sidewalks, curbs and gutters; pave roadway; and perform electrical work.

When construction of the Edinger Avenue bridge begins, will traffic lights be metered to mitigate increased morning traffic going over Newland bridge from Westminster to Huntington Beach?

Signal timing adjustments have been made to the Edinger intersections at Newland Street and Beach Boulevard to optimize traffic flow.

Increased traffic on Newland is anticipated as it is an approved detour for the Edinger bridge closure. Motorists should expect delays and use alternate routes when possible.

The area will be monitored during construction and adjustments will be made as needed to help traffic flow.

Will construction of the Newland Street bridge begin construction before Edinger is complete?

No, we do not anticipate the Newland bridge to close before Edinger is reopened to traffic.



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What is the status of construction of the Heil Avenue Pedestrian Bridge? What are some upcoming activities?

The Heil pedestrian bridge was demolished in August 2020. Crews have begun constructing the foundation of the bridge abutments. Upcoming activities include excavation, pile installation, and rebar and concrete work. The bridge is anticipated to take approximately 12 months to complete.

Will noise levels be monitored?

Yes. Caltrans standards will be enforced. Residents may hear back-up alarms and noise from other construction activities. The alarms are required for employee safety purposes by state regulation on all construction equipment in use. The sound level must be audible for 200 feet and distinguishable from the surrounding noise.

How will the neighborhood be notified of upcoming activities?

Flyers will be delivered approximately one week prior to all major activities such as demolition and pile driving. In addition, the OCTA Community Outreach Team will notify residents, businesses and motorists of all activities via weekly email and text alerts, through automated phone calls, on the project website and via social media.

Whom do residents contact if they have questions, concerns or claims?

Contact the Community Outreach Team by emailing 405project@octa.net, or by calling the project helplines. For **English** or **Spanish**, call **888-400-8994**; for **Vietnamese**, call **888-662-6569**. You may also message us on social media.