

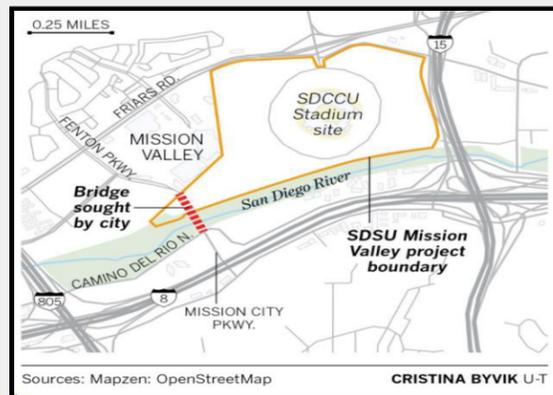
Why Fenton Parkway Bridge?

Fenton Parkway Bridge will add to the **legacy** of San Diego. And bring **economic benefits** to what is a tourism based economy. We have the pedestrian bridge at Petco Park, the unparalleled ComicCon, the resurgent San Diego Padres, and a coming brand new SDSU Aztecs stadium and SDSU West campus. Mission Valley will offer the same thrills of the Gaslamp Quarter, but with the added educational and research functionality of SDSU. Fenton Parkway Bridge could become another symbol of San Diego, something for tourists to remember as they see all that Mission Valley has to offer. Fenton Parkway Bridge will boost the economy in adding to the transportation infrastructure. Once upgraded to 21st century status, Mission Valley may exceed the economic dominance of the Gaslamp Quarter.

Has Fenton Parkway Bridge been proposed before?

Yes. In the 1985 Mission Valley Community Plan. It has taken a long time, though, to get this project through the design phase and to completion. There has been the rise in the environmental movement that has slowed new development. However, we have just one planet (we're not on Mars yet). So it might have been a blessing in disguise to have left a sizable area of the San Diego River in its natural state. Of course, there is always the monetary aspect of a project. With increased delays comes increased costs. Our design may be expensive, but it will be well worth it to do a sustainable project that has **ISI Silver Award Level Best Management Practices**.

Vicinity Map:



Site Constraints:

- Environmentally sensitive area (San Diego River)
- Existing traffic on Camino Del Rio North
- Existing MTS Green Line Trolley
- Liquefaction zone in the San Diego River
- Bridge cannot touch the San Diego River

Engineering Design Services for Fenton Parkway Bridge

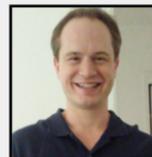
Prepared for:
The City of
SAN DIEGO

Prepared by:
STEEL
GOING STRONG
Engineering

Team Members



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Structural Engineer



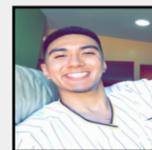
Wayne Thorn
Stormwater Engineer



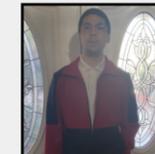
Nathan Whitmore
Geotechnical Engineer



Vicente Buenrostro
Transportation Engineer



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Transportation Engineer



Gabriel Lopez (CAD Lead)
Structural Engineer

About Us:

Steel Going Strong Engineering has been an industry leader for 30 years. Our team is highly experienced and has engineers with expertise in various disciplines. Our passion is designing bridges that satisfy the client and the greater public. We want our designs to be something our friends and family will want to utilize and enjoy. And something that we ourselves will gladly use. As we always say, we design with our friends and family in mind!

Our Plan:

Our site is on the San Diego River, which is mostly undisturbed land. We will try to live up to our reputation as sustainable designers who problem solve without compromising stakeholders that often go unnoticed--humans and the environment alike.

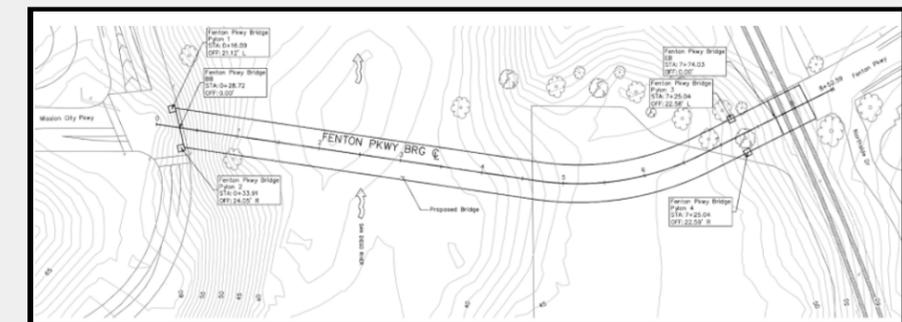
We know our alternatives for the bridge are something that you will love. First is the more environmentally friendly cable stayed bridge. While the cost of this option is higher, paying more upfront for something that could satisfy you for decades to come is well worth the investment.

Our second alternative is a combination of a post-tensioned bridge that begins at Mission City Parkway and a reinforced concrete bridge that starts at Fenton Parkway. This alternative is much cheaper than the first alternative.

Mission City Parkway/Camino Del Rio North intersection will be redesigned so the abutment of the bridge will go under the intersection. Traffic control devices, including trolley grade crossings on the Fenton Parkway entry point, will be added to ensure safe and efficient travel of vehicles over the bridge.

Recommendations:

Alternative 1
(Cable Stayed Bridge)



Alternative 2
(Post-Tension / RC Slab Bridge)

