

DBE CONNECTION

MID-COAST CORRIDOR TRANSIT PROJECT



September 2018

MCTC



Mid-Coast Transit Constructors
Stacy and Witbeck · Herzog · Skanska

DBE & SB STATS

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DBE & SB STATS (Through July 2018)

83 SB Firms
Contracted with MCTC

\$51 Million
committed to SB firms

89 DBE Firms
Contracted with MCTC

\$87 Million
committed to DBE firms

IMPORTANT UPCOMING DATES

- **September 18th:** CalTrans 14th Annual Procurement and Resource Fair (Click [HERE](#) for more information)
- **September 20th:** WTS San Diego 25th Annual Awards & Scholarship Gala (Click [HERE](#) for more information)
- **September 26th:** SB/DBE Certification Workshop hosted by MCTC (Click [HERE](#) to view the invitation and RSVP)

CONSTRUCTION UPDATE



Aerial view of Genesee Viaduct. Outriggers can be seen in lower right corner.

Why did the San Diego Chicken cross the road?

To watch MCTC pour 34 trucks-worth of concrete in a single night.



Courtesy of Get Witted Sports blog

(Maybe that's not our best punchline, but if the longtime Padres mascot had decided to wander across the Genesee Avenue and Regents Road intersection recently, he would have seen quite an impressive outrigger concrete pour.)

This outrigger (or straddle bent) will allow the Mid-Coast Trolley to run above Genesee Avenue utilizing two supports that straddle the road. Genesee Viaduct runs on a single pier support down the center of the road except at the intersection of Genesee Avenue and Regents Road. This two-pier support system was employed at this location to avoid total reconstruction of the roadway.



South side of the outrigger at the intersection of Genesee Avenue and Regents Road.

Work on this part of the project required some of the biggest road closures of Genesee Avenue including all southbound lanes. Since this is a major roadway in La Jolla, most of the construction had to be done at night to avoid conflicts with commuter traffic. By scheduling the concrete pour at night, it allowed the entire placement to be completed in a seven-hour shift.



Concrete trucks staging, about to begin the outrigger pour.

Heat can also present challenges during a concrete pour, and we're not just talking about San Diego's record summer high temperatures. Heat of hydration refers to the heat produced through the chemical reaction between water and cement - two of the main ingredients in concrete. Typically, this is not a concern when pouring a roadway or sidewalk. However, due to the density of the concrete structure and the quantity of concrete being placed, this factor must be mitigated to prevent adverse effects on the final strength of the concrete. For this pour, MCTC used 24 sensors that monitored both the concrete and the air temperature to ensure it remained within the allowable range. Ice and chilled water were used in the concrete mixture to control the temperature internally. After all the concrete was placed, the outrigger was wrapped in a curing blanket to maintain the concrete's curing temperature. Construction of the Hoover Dam required similar measures including nearly six hundred miles of pipe to pump cold water through the concrete and thousands of pounds of ice produced at onsite refrigeration plants.

DBE FUN FACT

Which of these expires first?

- (a) Honey
- (b) Salt
- (C) Your DBE certification

Trick question! They never expire. (Yes, seriously - per [National Geographic](#), a 3,000 year-old pot of honey was found in the Egyptian pyramids - and it was still edible!)

We're also serious about your DBE certification. Once your business is certified, it will remain so unless removed by due process. Just remember that you are required to annually update your records with your certifying authority by completing an Annual Update Affidavit (AUA). Records may also be updated during a 5th Year AUA process.

PROCUREMENT OPPORTUNITIES

- **RFP #148:** Station Concrete (Bid closes on September 13, 2018)

Visit the Mid-Coast Corridor Transit Project's [Vendor Portal](#) for more information.



CONSTRUCTION BENCH OPPORTUNITIES

- Landscaping and Irrigation
- Painting and Anti-Graffiti Coatings

Click [HERE](#) to fill out the Questionnaire to apply for the MCTC Construction Bench for the above and future opportunities. We encourage all DBEs and SBs to apply!



For additional information about the Mid-Coast Corridor Transit Project,
please visit www.mctcjr.com.

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