

Traylor Brothers Project

Furnishing a plant.

Sometimes certain projects demand the expertise of more than one company. So in February of 2001, two U.S. contractors, the Traylor Brothers and the J.F. Shea Company, partnered to build and operate a state-of-the-art tunnel segment-casting plant for a tunnel contract in Los Angeles, California.



**outside operation in desert heat*



It was decided that the most efficient way to meet the stringent requirements of the job was to set up a manufacturing facility nearby. Traylor Brothers, having successfully managed a similar on-site project before, contacted Advanced Concrete Technologies to furnish the new mixing/batching plant.

Project Highlights

- *Customized batch plant met customer's unique set of needs - feeds flying bucket concrete delivery system*
- *2.5 minute mix cycle, including discharge, allows high output*
- *Highly sensitive weigh belt scale weighs aggregate and microwave probes automatically correct for aggregate moisture, ensuring absolute yield consistency in quality*
- *PCS control can automatically determine actual w/c ratio and adds requisite water, maintaining production with precise w/c ratio no matter what the aggregate delivery or weather conditions are*
- *Quick, 10-minute self-cleaning mixers allows mixer cleaning twice per shift – for more production without interruption and with labor savings*
- *Since 2002, over 10,000 truck loads of tunnel segments have been delivered to various tunnel projects in the L.A. area*



WE ADD PROFITABILITY TO THE MIX.

Traylor Brothers Specs

MobilMat MO80 Twin Mixer Plant

(2) HPGM 2250 planetary mixers with 2 CuYd output

(2) Skip hoists to mixer

PCS control automation

(2) Flying buckets with integral feed belts

HYDROMAT microwave probe mounted in mixer floor

Hydrotester moisture probes in aggregate bins

(3) Aggregate bins (80 tons) with reversing weigh belt

(2) Automatic mixer cleaning systems

Weight based AC liquid admixture metering scale

Two cement silos 700 BBL & 550 BBL with automatic overfill protection

Ahead of schedule.



ACT came in and installed a turnkey twin Wiggert mixer plant type Mobil-Mat MO80 - 4 - PCS. In a mere 15 weeks from the time they were given notice to proceed, ACT had completed turnkey set-up of the plant...even before the contractors were ready to begin using it.

Its PCS automated control is designed to be unattended, with statistical information always stored and compiled for quality control. These and other features are the keys to always delivering precise, uniform segments, every time. Because on a project like this, there is never room for error. And that's why ACT is always the one that can be counted on.

