

Hanson El Mirage Project

Increasing output while maintaining quality standards....

ACT was brought in to Hanson Pipe & Products; El Mirage, Arizona facility to design and install a mixing batching plant that had to significantly boost production and make the most of previously installed equipment from another vendor.



Project Highlights

- Plant output was significantly increased
- Quality control was significantly improved through equipment reliability, fully-automated PCS control, and ACT operator training
- Twin HPGM 3750 planetary mixers provide a maximum output capability of approximately 252 tons of pipe and box culverts per hour
- Twin aggregate holding hoppers mounted above each mixer boost time cycle efficiency

Hanson El Mirage Specs

Twin MobilMat Mo110-4-PCS with twin mixers feeding two separate dry cast production lines and an additional discharge gate for future plant expansion

4 Compartment aggregate bins row type silo with maximum capacity 530 tons of aggregates. Aggregate bins are charged directly from the truck dump hopper and the automatically material handling system

3 Cement silos, each with approx 375 tons combined storage capacity

Each mixer has a fully automatic mixer cleaning system reducing clean up time and labor

State of the art PCS Computer Control system for truly unattended operation

4 admixture metering control each mixer

Hydrotester aggregate bin probes automatically adjust for aggregate batch yield

Hydromat mixer probes automatically adjust batch water to compensate for actual aggregate moisture and to maintain perfect consistent W/C ratio each batch



WE ADD PROFITABILITY TO THE MIX.

ACT's state-of-the-art technology, unparalleled service and commitment to customer success came through...



Significant expansion in capacity was the primary objective of Bryce Scofield, Project Engineer, when he turned to ACT for help. Having struggled through two previous equipment installs from two different companies, Bryce was relieved to work with a complete solution provider like ACT - who could deliver a completely automated, turnkey mixing batching plant that would work flawlessly with the previously installed components. ACT's Twin MobilMat Mo110 quickly became the heart of the operation, giving the El Mirage plant the capability of producing roughly 252 tons of pipe and box culverts per hour.

“The install was as smooth as could be, as the plants came pre-wired with all cabling attached and in place. This saved considerable time in set up and commissioning. The ACT crew also went above and beyond in helping us modify existing equipment to work smoothly with the new ACT MobilMat plant. ACT's PCS Control System communicates flawlessly with the outside vendor equipment, is completely intuitive to the operator, and helps us maintain quality control like never before. I'm very happy with the ACT system. It's the third I've installed on the West Coast.” – Bryce Scofield, Project Engineer

Ansicht A
view

