



Company: Pulice Construction Inc.

Location: Phoenix, AZ

Project: Santan Freeway—Power Rd. to Frye Rd.

Location: Phoenix, AZ

Scope: 4.59 miles 6-lane concrete highway

Contract Amount: \$58,900,000

Topcon Products:

(2) HiPer Lite+ GPS+ base/rover with Millimeter GPS™

(2) FC-100 field controllers w/Pocket 3D

3D-GPS+ automatic w/Millimeter GPS™/Cat 140H



Mark Soyster, vice president, operations manager

Pulice Construction, based in Phoenix, Arizona, is celebrating its 50th year in business. Pulice started as a concrete specialty contractor subbing curbs and sidewalks to major developers in the area. Today, the company is a leading highway and heavy civil contractor with over 550 employees. Pulice promotes mutual respect between employer and employees and unwavering integrity in

its relationships with project owners.

Pulice performs the mass excavation on roadway projects and brings subgrade to within one-tenth of a foot. Arizona DOT specifications require a tolerance 0.02 foot high to 0.04 foot low. Pulice's concrete paving subcontractor uses a wireline-guided trimmer to bring subgrade to the required elevation.

Pulice started construction of the Santan Freeway project in October 2004. When it came time to bring the trimmer in, the concrete paving subcontractor had a work backlog and couldn't meet the production schedule. Pulice faced a dilemma – should they invest in a trimmer or consider machine control technology?

Bill Conover, owner of Branco Machinery, told Pulice about Topcon's 3D-GPS+ automatic machine control system with Millimeter GPS. Mark Soyster, vice president and operations manager, explained that Pulice wanted to see the equipment in operation before considering a purchase. "We like to see the products work," he said. "We're not big on brochures and hearing about who has the best slope system. We like to see the equipment perform before we make an investment."

Conover supplied a motor grader, Topcon's Millimeter GPS+ system - even the surface file for one mile of roadway. Branco's demo convinced Soyster and Jim Meadows, project superintendent. "The biggest point for me was that they brought the machine out to physically show that it worked," Meadows said. "Bill Conover stuck his neck out, brought a \$300,000 blade out here, and trusted us with the system. It paid off."

Pulice purchased the system shortly thereafter and finished the subgrade ahead of schedule.



Jim Meadows, project superintendent

Topcon Dealer:

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