



## Becco Relies on Topcon Millimeter GPS™ for Fast-Paced Projects



**B**ecco Contractors, Inc., had just 325 days to complete a major contract on I-44 near downtown Tulsa, Oklahoma. The project only incorporates 2,000 feet of roadway, but it's six lanes wide and has two major interchanges. "You have to have the right tools to finish a job like this in the time allowed," said Harvey Titus, the project supervisor.

For Becco, the right tools include a full complement Topcon products sold and serviced by Ozark Laser and Shoring of Tulsa. Topcon products onsite include 3D-MC systems on motor graders and bulldozers, Millimeter GPS™, and Dual Sonic Cross Slope System 5. There are also several smaller pieces of equipment, such as pipe lasers and auto levels.

**Company:** Becco Contractors, Inc.

**Location:** Tulsa, OK

**Project:** I-44

**Location:** Tulsa, OK

**Scope:** 41,500 yd<sup>2</sup>

**Topcon Products:**

PZL-1 Millimeter GPS transmitters

PZS-1 Millimeter GPS rover sensor

GTS-823A robotic total station

TopSURV

HiPer Lite + base and rover

FC-100 with Pocket 3D

**Topcon Dealer:**

Ozark Laser and Shoring

*Continued on page 2*

# AT WORK

Becco Relies on Topcon Millimeter GPS™ for Fast-Paced Projects

'Based on my experience, I'd say that using GPS and lasers will cut the average operator's time in half.' - Ike Pettigrew

*Continued from page 1*

The central nervous system that controls all this technology is a Topcon GTS-823A robotic total station with TopSURV software. Becco also uses a HiPerLite Plus base and rover, FC-100 data collector with Pocket 3-D, two PZL transmitters and a Millimeter GPS rover.

With all this technology, the work site is nearly stakeless. "We used to have a stake every 50 feet," said Titus, "and every 20 feet in five rows on super-elevated sections. We've pretty much done away with those, which saves hours of lost time. We used to spend an entire day setting hubs on a long stretch. Now we just go to work. By not fooling around with hubs and stakes, we're saving about 20 percent of the time it would have taken without the Topcon technology."

Ike Pettigrew, a blade operator with 43 years of experience, sees the time savings, too. "I used to have to wait (on a crew) to set hubs or line me out," he says. "Now all I have to do is wait a few minutes for them to set a tower and I'm off and running. Based on my experience, I'd say that using GPS and lasers will cut the average operator's time in half."

Saving time improves profit by allowing Becco to move on to the next project more quickly and by reducing waste. Excess concrete, for example, has been cut by about 80 percent. Improved profitability also comes from



incentives built into the contract. Becco can get \$10,000 for each day they beat their deadline.

"The key to all this is Topcon's Millimeter GPS," said Titus. "It's the enabling technology that allows everything else to take place. We're faster, more profitable, and able to provide a better finished product because we use Millimeter GPS. It's that simple."

To read other Topcon At Work stories go to [www.topconatwork.com](http://www.topconatwork.com)

## Topcon's Millimeter GPS™

**World's first millimeter-accurate  
GPS system - up to 300% more  
accurate than standard GPS!**

Combine LazerZone™ with GPS+ to achieve millimeter accuracy. LazerZone™ transmitter provides wide vertical measurement area - 600m/2,000 ft diameter, 10m/33 ft. height.

Simply set up your Topcon RTK GPS+ system as usual, add a wireless PZS-1 sensor to your mobile rover, and set up the PZL-1 transmitter to get instant millimeter accurate elevations anywhere in the LazerZone™!

