

Jim Dykes

**MAY BE THE MOST
EXTRAORDINARY
PERSON IN PAVING
& RECYCLING
YOU'LL EVER MEET**

**and we're glad
he came to us
for crushing
equipment.**



Larry Horwedel (left), EXCEL Representative, turns over the new EXCEL 30x62 Jaw Plant to Mr. Jim Dykes

self. He climbs on top of it, over it, under it, and around it until he finds out how he can maximize the use of it. His improvements work and work well because, he believes you have to be able to design something a lay person can operate. "You have to keep it simple," he says.

Needless to say, we were pleased when Jim asked us to engineer and build a crushing plant for him so he could run multiple products without changing screens.

Jim explains, "I keep up with the technology through trade publications and companies through ads so I know who builds equipment. I knew EXCEL builds an impact crusher, and after looking at several others, theirs was as good as anybody else's and more economical. Also, I had asked another manufacturer to give me a price on engineering a plant, but they said they couldn't quote it. They wanted to do it their way. EXCEL said, 'Sure we can do it!' And they did."

At EXCEL, we were very impressed with his design to get change products. Rather than the top screen discharging into the impact or secondary crusher, Jim designed the bottom deck to be able to discharge into the impact crusher. That meant the screen had to be able to be hydraulically raised and locked into place to discharge into the impact crusher. By doing this, 1-1/2" product can be run for base and a bypass chute can get surge stone for stabilization or it can be run back into the impact crusher to produce all 1 1/2" product.

"Also," Jim explains, "we can change one lever on one chute with the lever on the front and get two products. We can get 3/8" minus or 3/8 - 3/4" without changing any screens and then we can close off the 3/8-3/4" chute and recirculate the material through the impact crusher to get all 3/8 minus."

With their 30x42 jaw and EXCEL 1520 secondary impactor they'll crush 200,000 tons of recycled material a year, and with their new EXCEL 30x62 jaw plant they expect to crush 350,000 tons the first year. The new 30x62 plant with a 6x20 triple deck horizontal screen is specially designed to raise the screen to facilitate the bottom deck to discharge into the 1520 impact crusher mounted on the same chassis.

**We salute Jim Dykes for
all of his accomplishments
and are proud to list him as
one of our customers.**

LARRY HORWEDEL
EVES. 806-354-2551

EDDIE HERRERA
EVES. 806-373-5801

JIM DYKES IS 15 TO 20 YEARS AHEAD OF MOST OTHERS IN THE PAVING BUSINESS. 20 years ago, he developed a system called Permafex Paving — a crack retarding system that prevents reflective cracking in asphalt paving. Today Permafex Paving is used extensively throughout Georgia and some other states are now beginning to enjoy its benefits. 15 years ago Jim Dykes developed the technology and was producing high quality 100% recycled asphalt base material long before the industry was even beginning to consider producing product using 15-20% recycled material.

Dykes Paving and Construction located in Norcross, Georgia, does strictly commercial and industrial paving and supplies asphalt to the commercial and industrial market. They produce over 300,000 tons of hot mix a year without doing any state work, and they pride themselves on maintaining the highest standard in the market at the best cost. They can produce anything from 100% virgin to 100% recycled mix. They use 50% of their production and they sell 50%.

About his company, Jim says, "We are developing not only recycled products, but we are looking to develop better, long-

paving that is more economical to use and has much higher stability. We've been able to create 5,000 psi plus asphalt surface mix using recycled material." In addition, Jim Dykes also came up with the first stone matrix asphalt and paved a 75-acre shopping center with it.

Jim Dykes started his paving business in 1968 right out of college with \$5,000 borrowed money. The jobs were small. He did driveways and patched potholes. He invested back into the company, and, as he puts it, "Grew as Atlanta grew." But there is more to it than that. The ingredient that has propelled the company into a successful business with an extremely bright future is Jim's ability and his constant striving to improve things — to develop newer and better products that cost the same or less than any other on the market. "There's always a better way of doing the same things, and you need to find it," he says.

"I've always been kind of an inventor of sorts," Jim says of himself. He has an Engineering and a Business degree from Georgia Tech and Georgia State, but Jim's success comes from more than just a formal education. He's an experimenter with what most would call "good old American ingenuity," and he sticks to an idea until he gets the results he wants. He runs the equipment him-



self.

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and a mean
bite.**

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