



Recipient, E-Award for Excellence in Exports, US Department of Commerce

POWER CURBER PROFILES

Our Commitment Shows

7700 TRUSTED IN THAILAND



A Power Curber 7700 Multipurpose Machine paving at a 7.1% super-elevation in Thailand

You have one of the largest opportunities of your career within reach but you lack the tools to take advantage. Would you throw up your hands and miss out because you aren't prepared? Or would you take a leap of faith and get the best tool for the job even if you aren't sure how it works. Udomsak Chiang Mai Company of Chiang Mai, Thailand has plenty of paving experience using fixed forms and a roller screed. Khun Pisit Trakarnsiri, Managing Director, had a chance to pave the large four-lane, 5.6-mile job near Korat. However, the deadlines on the job were too tight for forms and a screed. To seize the opportunity, a slipform paver would be required. After considering all the options, Khun purchased a Power Curber 7700 Multipurpose Slipform Machine because its advanced control system is easy to operate and its designed to excel at standard and offset paving.

The job conditions were challenging for a slipform paving machine. Historically, Udomsak prepares their paving jobs with a compacted subgrade and a ten-centimeter (four-inch) subbase of

low-compaction sand. While that works well when using forms and a screed, the heavy, four-track 7700 required additional compaction. Thananut Trakan, Project Engineer, describes the International Roughness Index (IRI) specifications saying that "the road authority required less than 2.5, but we achieved an average of 1.9." The road used continuous reinforcement, so placing the concrete was a concern. Using the cross-slope function, the 7700 was able to save setup time by running on a single stringline and allowed the mixer trucks to pour from the opposite side. The single stringline was remarkable considering the job's frequent transitions from a two-percent to over seven-percent super elevation. The twenty-eight-centimeter (eleven-inch) thick lanes were slipformed in two passes at 3.5 meters (11.5') wide with a third pass of 2.5 meter (eight-foot) wide offset paving for the left shoulder, and a fourth pass of 1.5 meter (five-foot) wide offset paving for the right shoulder. To join the slabs together, a side tie-bar-inserter was used to add tie-bars on sixty-centimeter (two-foot) centers.

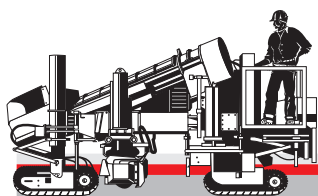
While the versatile 7700 overcame the site challenges, Udomsak succeeded with thorough training and support. Power Curbers' commitment was absolute, with multiple support technicians instructing on site. ItalThai Industrial Co Ltd, Power Curbers' Thailand dealer was a valuable asset as well. They were essential in coordinating the mix design, concrete supply, and ensuring continuous support. On their best days, Udomsak managed over 730 linear meters (2400 linear feet) with the 7700 compared to the 215 linear meters (700 linear feet) with their forms and screed. Khun compared that "the cost of labor broke down to sixty to seventy baht (\$ 1.95 - 2.27) per square meter, but with the 7700 it is reduced to twenty-five baht (\$ 0.81) per square meter. The leap of faith is working out for Udomsak. Khun shared his thoughts on the purchase, "I see that it is very effective. I use it and it delivers. We can see the cost savings and I can trust in the quality of work."



The 7700 is a capable offset-paving solution



A 7700 paving a 2.5 meter (eight-foot) wide shoulder in the offset position.



UNDER THE ARCHWAY GUARDRAIL

Continued from cover

Hank's Excavating led by Hank Rohwedder, President, and his son Corey Rohwedder, Superintendent, poured an eight-inch-wide (twenty-centimeter) and six-inch-tall (fifteen-centimeter) curb. The typically-simple profile was complicated because of its location beneath a guardrail so the mold had to be specially designed to offset the concrete. In addition, IDOT required that the curb be poured over 950 eight-inch dowel pins spaced on two-foot (sixty-centimeter) centers that had been sunk five inches (thirteen centimeters) deep into the asphalt road. A slot was required on the front of the mold to pass over the pins. Despite the intricate mold design, Corey was quite happy with it, asserting "I've never ordered a mold from Power Curbers and it was not exactly right when we got it." To get the curb matched up evenly with the guardrail, steering for the machine was sensed off of the rail and the grade adjustment was set to follow the pavement. Using the guardrail and pavement for steering eliminated the need for stringline saving time and money.

A skilled operator and trusted machine were important as some manual steering was needed where the curb and guardrail diverged. Colin Baltz, machine operator, has been with Hank's Excavating since before their first curb machine purchase in 1994 and has put thousands of hours on the two Power Curbers since then. He commented that "Power Curbers puts out a good, reliable product that we aren't afraid to run all day." The factory-direct support impresses Colin. He emphasized that "we can call in and get set-up or maintenance details right there on the phone, they know exactly what you are talking about. Your support team is awesome." Colin is one of Hank's many long-term employees. Others have passed their thirty and even forty-year anniversaries with the company. Corey, who is now in his thirties, began helping out when he was twelve years old by washing some of the vehicles and equipment. After college, he worked as an operator and eventually transitioned into a superintendent. Like Colin, Corey shares the confidence in their curb machines expressing "ever since I've been working around them, we've never had a lost-time breakdown on our Power Curbers."

Established in 1978, Hank began the company with a John Deere 2240 tractor, a Ford F250 Ranger pickup truck and a trailer that he used to haul the tractor around. He used the tractor fitted with a simple box blade to grade homeowners' yards. The original tractor and pickup which are both still in clean, working condition, are stored on the company's yard. They have expanded the facility over the years by leveling their property with excess dirt from their work and between jobs, they construct new structures to protect their many pieces of equipment. Hank's is a highly diversified company of over seventy employees experienced in earthwork, concrete work of all types, asphalt paving, traffic control, landscaping, and sanitary sewer installation, inspection, and maintenance. The



The Illinois Department of Transportation required that the curb be slipformed directly under the guardrail.

company's diverse offerings engage crews at about a dozen separate jobs each day. To maximize their efficiency Hank runs a night crew that cleans up and maintains the equipment once the day shift leaves. The night shift can also load and prepare supplies for the following day. That lets the day crews mobilize when they get to the shop each morning, and go straight home when they get back to the yard in the afternoon.

Hank's efficient operation is highly employee and family-oriented. His daughter Amanda Bayer works as his assistant, and her husband, Chris Bayer helps in IT, accounting, and legal areas. Pictures of the upcoming 3rd generation hang on the walls of Hank's office showing Corey's son Corbin riding a toy truck. It

is obvious when looking at his employees, facility, and quality of work that Hank and his company take pride in what they do. Hank chooses Power Curbers because they are "durable,

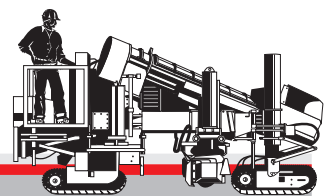
"POWER CURBERS ARE DURABLE, RELIABLE, CONSISTENT, GREAT-POURING MACHINES THAT MAKE A WONDERFUL FINISHED PRODUCT."

— HANK ROHWEDDER, PRESIDENT

reliable, consistent, great-pouring machines that make a wonderful finished product." A durable 5700-series machine from Power Curbers may last you twenty-five years too with care and diligent maintenance like that of Hank's Excavating.



The slot for the front of the mold where the dowel pins were able to enter.



5700-C DOES A FAIR JOB



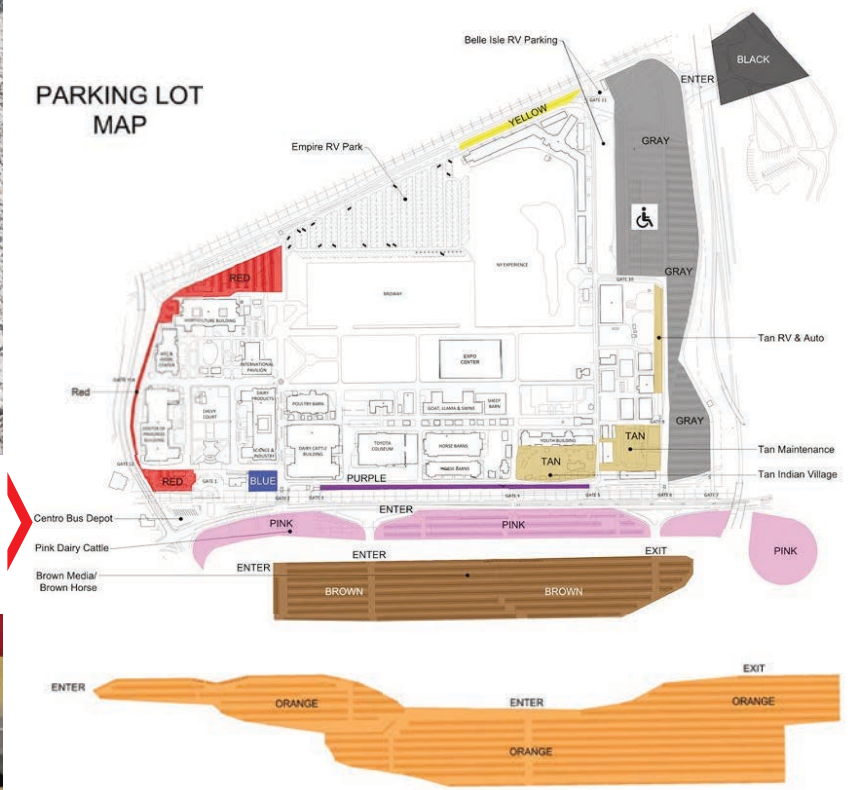
JJP Slipforming a unique semicircle-shaped island

The fairgrounds renovated the Orange Lot to ease traffic (map used with permission by the New York State fairgrounds)

On its busiest days, the New York State Fair’s attendees nearly match the entire population of Syracuse where the fairgrounds are located. This strains the local infrastructure for thirteen days when the fair is open. In the summer of 2018, the state completed a renovation to their largest, “Orange,” parking lot which added a direct exit onto Interstate 690. Other improvements to aid traffic flow included new lighting and signage.

Using their Power Curber 5700-C, JJP Slipforming Inc. completed over 33,000 linear feet (10,000 meter) of curb including the perimeter of the Orange Lot and more than fifty uniquely-shaped islands within. They used a New York State Class J concrete mix on their six-inch by twelve-inch (fifteen-centimeter by thirty-centimeter) header and mountable curbs. The biggest challenges in the mile-long parking lot were its scale and the bad spring weather. Wet weather forced JJP to juggle crews and equipment to pour in areas with less than twenty-four hours of preparation.

Established in 1988, JJP Slipforming has roughly fifty employees and completes concrete work throughout the state of New York. Family owned and based out of Middleburgh, they own four Power Curbers including a 5700-C-Max for barrier, two 5700-Cs and a 5700-B for curb and gutter. Superintendent Pete Sommerville says he “wouldn’t ever get rid of any of them, they are a vital part of operations.” Pete has decades of slipform experience and has worked around many different machines but he appreciates the factory-direct approach of Power Curbers. He emphasizes that parts ordering and product support are “absolutely great, they all know me and everything goes really well down there.”



JJP pouring a twelve-inch (thirty-centimeter) header curb on the north side of the Orange Lot next to the St. Joseph’s Health Amphitheater

POWER CURBERS POWER PAVERS PROFILES

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Power Curbers Companies, LLC.



UNDER THE ARCHWAY GUARDRAIL

Hank's Excavating has been running its Power Curber 5700-B for twenty-five years. They bought it new in 1994 and it is still their go-to tool for curb & gutter. Recently, the company supplied a unique job with their 2006 Power Curber 5700-Super-B. Hank's poured 1900 linear feet of under-guardrail curb near their headquarters just outside of St. Louis, MO. Within sight of the famous landmark Gateway Arch, on the Illinois side of the Mississippi River, the job consisted of four stretches of curb rising up the approach to each corner of a Route 15 bridge. The Illinois Department of Transportation (IDOT) contracted this job because runoff from the four-lane bridge was eroding its embankments. Installing curb was an effective way to prevent erosion, channel the water into storm drains, and increase driver safety.

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Dealer of the Year Awards



Retired President Dyke Messinger (Left) and Lee Cornwell, Owner, (Right) present the Dealer of the Year Award to Ashok Rao, Managing Director of Allen Buildwell (Center)

Power Curbers Companies recognizes two outstanding dealers for their commitment in 2018. Allen Buildwell, India, and Italthai Industrial, Thailand, exemplified Power Curbers & Power Pavers' mission by providing world-class support, constantly pushing for improvement, and putting the needs of the customer first. We take pride in the dedicated dealers that support us around the globe. Congratulations Allen Buildwell and Italthai Industrial, we wish you continued success.

Customer Recognition

One of our favorite things at Power Curbers Companies is seeing our customers recognized for their excellent work. At the Iowa Concrete Paving Association's 55th Annual Concrete Paving Workshop four outstanding companies were awarded.

- In the Municipal Streets & Intersections less than 15,000 square yards category, K. Cunningham Construction Co., Inc., was selected for their 2017 street construction in Cedar Falls, IA.
- In the Municipal Streets & Intersections greater than 15,000 square yards category, Jones Contracting Corporation was recognized for their South Main Street Improvement in Mount Pleasant, IA.
- In the Subdivisions category, Streb Construction Company, Inc., was honored for their work at Park Place, Tiffin, IA. Streb received additional acknowledgment in the Urban Arterials & Collectors greater than 15,000 square yards category for Dubuque Street, Iowa City, IA.

Congratulations to each of you for your high-quality work. We hope to see you on the list again at the 56th Annual Workshop.