

# Civil Infrastructure

December 2005

*Promoting Development, Planning and Maintenance*

[www.cimagazine.net](http://www.cimagazine.net)

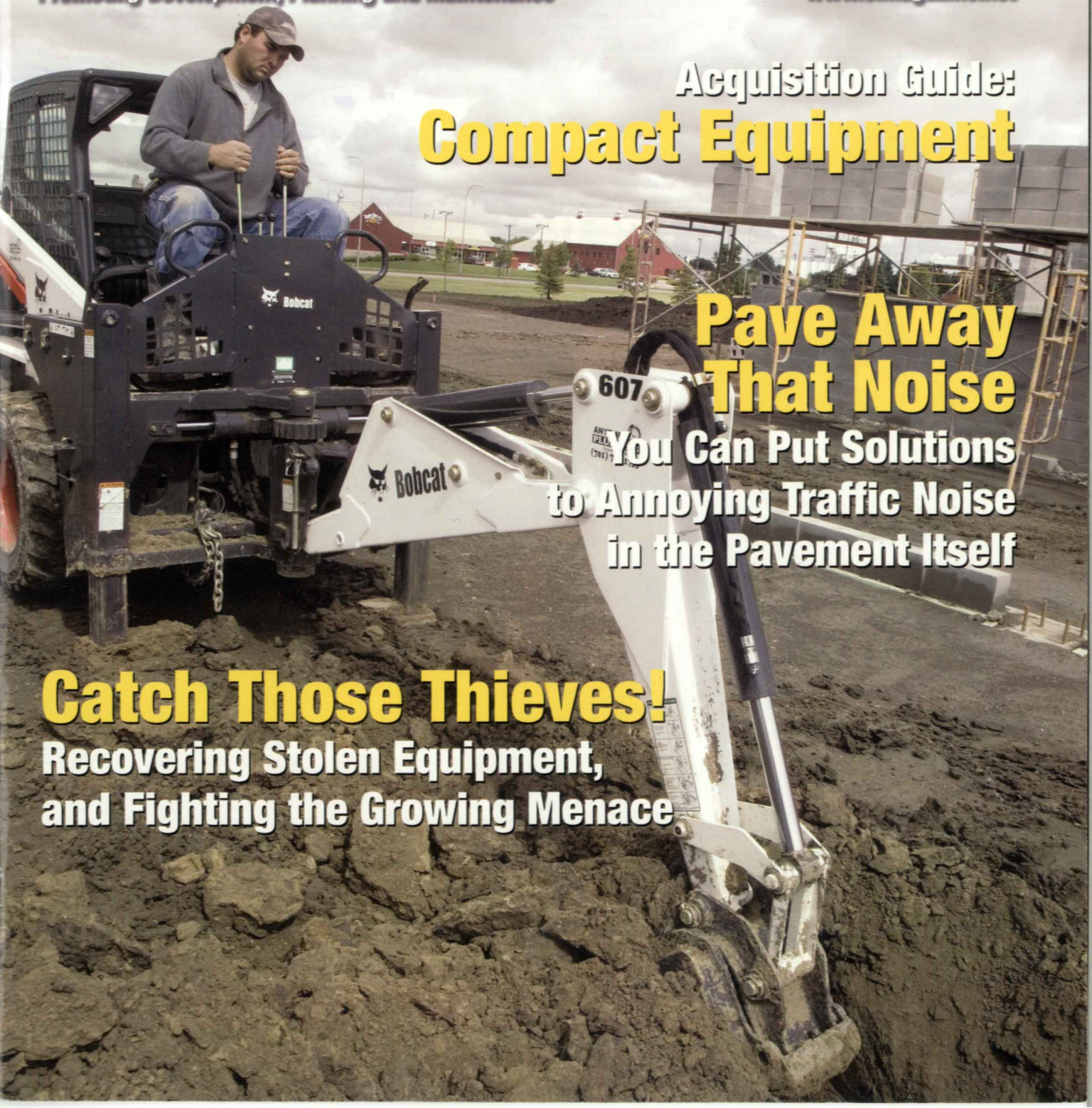
Acquisition Guide:  
**Compact Equipment**

**Pave Away  
That Noise**

**You Can Put Solutions  
to Annoying Traffic Noise  
in the Pavement Itself**

**Catch Those Thieves!**

**Recovering Stolen Equipment,  
and Fighting the Growing Menace**





PHOTOS COURTESY OF ALLIED GATOR

# Process While You Demolish

*For the Demolition of a Cooling Tower, the Crew Processed the Materials as They Took Them Down.*

The assignment was to demolish a cooling tower in Gary, Indiana. Jim Gomori of Allied Erecting and Dismantling Co., Inc., a company with excellent experience in this kind of work, was the project superintendent. "The efficiency of this project can be credited to the tools we used, because we were able not only to demolish the tower in a timely fashion, but process it at the same time," comments Gomori. The tower was 50' tall, 60' long and 30' wide. The tower material was heavily-reinforced concrete that was 24" thick at the bottom and 18" thick at the top, with the center walls 12" thick. Two weeks were scheduled for the project, but it took only five days of 10-hour shifts. The equipment used must take the credit for that success.

The contractors used an Allied-Gator MT™ Series Multi-Tool (model MTR 70 C) with crusher teeth mounted second



member (= boom mounted) on a Komatsu PC 400 excavator weighing 95,000 lbs. They also used an Allied-Gator MT 70 S (shear jaw set) and a Cat® 950 front-end

loader with the Allied-Gator Claw Bucket. That claw bucket carried the processed concrete away from the work area and helped sort the clean rebar from the



amazed how fast the work went. Having the rotator on the tool allowed us to crush at all different angles, which was critical to success because we had to stay on a slag pile to access the top of the tower." The slag pile mentioned was where the excavator was positioned; it was next to the cooling tower and allowed the operator to reach the top concrete.

The contractors crushed from the top of the tower down, with operator using the crushed material to fill in the center of the structure. He then took the machine onto that new pile to complete demolition and processing of the lower half. The processed concrete was trucked off site. Most of the rebar was removed cleanly from the concrete with the MTR 70 C, using the bolt-on Crusher Tooth Segments, then processed with the same MTR 70 using the pin-on interchangeable Shear Jaw Set. "We demolished that tower faster than the trucks could haul the concrete off the site," adds Gomori. The speed and ef-

ficiency with which the cooling tower was demolished seem proof enough of the innovative, powerful difference that the Allied-Gator Multi-Tool can make in similar projects. ■

**CIRCLE 20 ON READER SERVICE CARD**

processed concrete piles. The same claw bucket loaded the processed materials into trucks.

The MT in Allied-Gator's MT Series stands for Multi Tool. It means that a single machine with this tool can do shearing, cracking and crushing work all day long. There are interchangeable jaw sets to make this multi-function possible, sets which the operator can switch at the site, by himself, in minutes. "It's so easy to change the jaw sets," observes Greg Biggs, the operator of the Komatsu PC 400 at the Gary site. "I can do it by myself in under 20 minutes." Integral to this innovative multi-function tool is Allied-Gator's Speed-Circuit™ Technology. This ensures smooth, fast cycle times, while the Power-Link and Guide System delivers a continual power increase throughout the tool's closing phase. The further the tool's jaws close, the more force is delivered. The MT Series Multi-Tool offers unrestricted 360° rotation with fixed centerline cycling to optimize the tool's versatility and production output. The tool is available in 22 sizes from 700 to 40,000 lbs, in rotating or non-rotating configurations.

The Shear jaw set serves for quick processing of structural steel and metal scrap. The Cracker-Crusher jaw set processes concrete and cast materials with impressive ease. This jaw set has two bolt-on sets of teeth, to give the best performance in both cracking and crushing. "It just chewed that tower up in no time," notes Jim Gomori. "Everyone on site was



**Firm and Forging Safety Swing Step**

*various sizes, universal mounting, non-rusting*





10 North Sauber Road, Virgil, IL 60151-1000

**800-323-9147**

Fax 800-833-3264

**CIRCLE 12 ON READER SERVICE CARD**



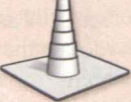



## PIVOTED TURNBUCKLE MANHOLE RISER

**AMERICAN HIGHWAY PRODUCTS, LTD.**  
*Raising America, One Inch at a Time*

### The Most Efficient, Powerful, Expanding Riser on the Market.

**1" diametric variance. Heights of 3/4" and up. All Diameters.**

<b>FLEXIBLE RUBBER ADJUSTMENT RING</b>	<b>SEWER LID SEAL KIT</b>	<b>UTILITY LOCATOR</b>	<b>P2000: ASPHALT/CONCRETE CORING MACHINE</b>
			

**FREE VIDEO/CD ROM**      **SAME DAY SERVICE!**

**Toll Free 1-888-272-2397 • www.ahp1.com • e-mail: sales@ahp1.com**

**CIRCLE 7 ON READER SERVICE CARD**