

Asphalt Zipper[®]

World Leader in Portable Reclamation

**The most cost-effective
and productive way
to repair roads
and open utility trenches**

What Road Professionals Are Saying



"In my 25 years in construction, prior to spending 11 years as a professor at the University of Florida, I feel the Asphalt Zipper is the most innovative product I've seen come out of the construction industry in my time."

Dr. Charles R. Glagola, P.E.
University of Florida; NOVA Juror



"I have been in this road business for 42 years. We have to find a way to make our money go farther and the Zipper is the best game in town that we have found. It totally exceeded my expectations."

Jerry Sikes
Public Works Director
Suwannee County, FL



"I have seen the bigger machines work and I was skeptical of whether this smaller machine could wind up with the same type of product. Once you see the finished product, there is no difference. This machine will do everything that I have seen the bigger machines do."

Charlie Tewalt
Supervisor
Mt. Vernon, WA



"Budget is ever on my mind. I am constantly looking for things that will save us time and money. This piece of equipment has saved us both money and time. You can't get any better than that."

Pat Bell
Commissioner
Jackson County, GA



"The good thing about it is every time I use it I am saving money. If you're not Zipping, you are wasting money."

Jerry Haynie
Road Manager
Lafayette County, MS



Visit www.asphaltzipper.com to view the interviews of these and many other road maintenance professionals.

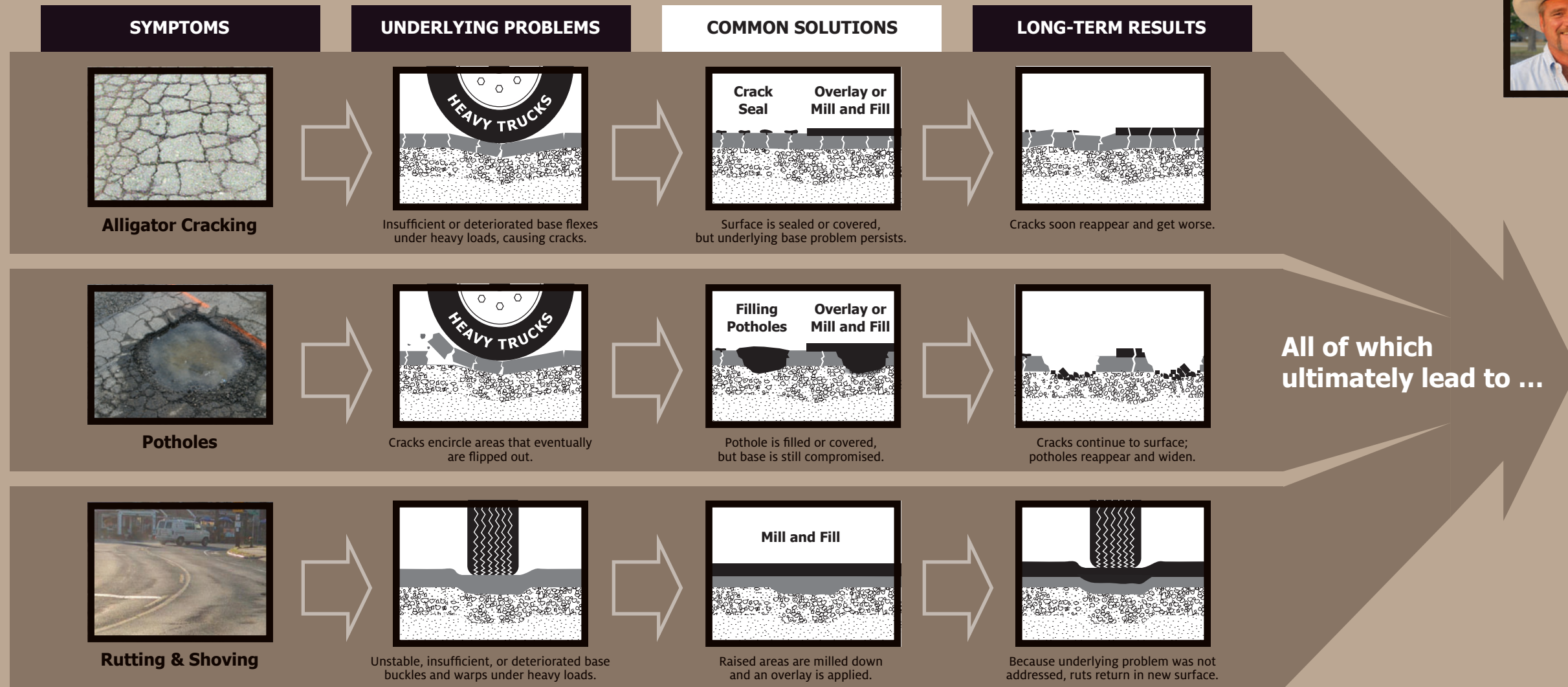
You can waste your time and resources doing temporary fixes over and over ...

Many common solutions to road and street problems are only temporary.



“Surface treatment ... is like putting lipstick on a pig—you can doll it up all you want to, but you still have a pig.”

Terry Garrett
Road Superintendent
Brownwood, TX



RECONSTRUCTION

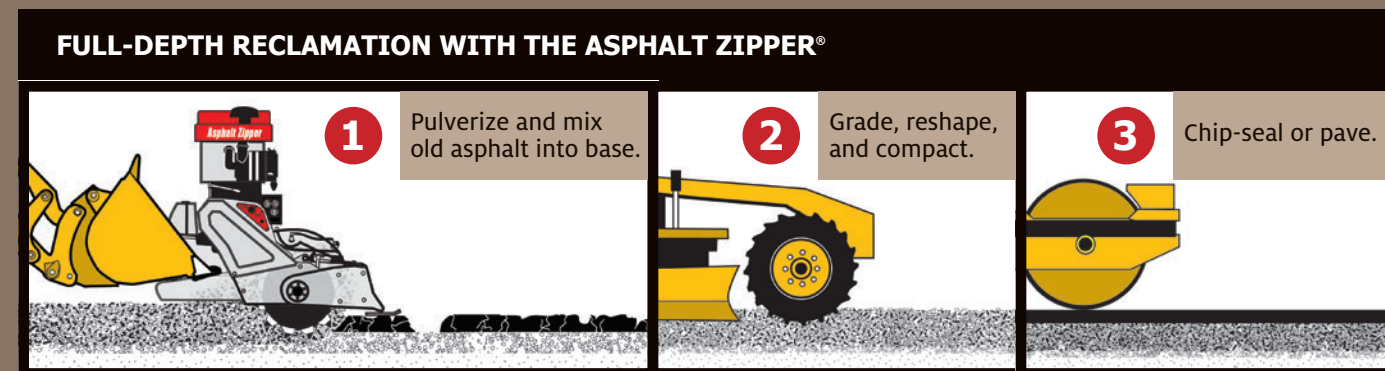
A time-consuming and expensive process



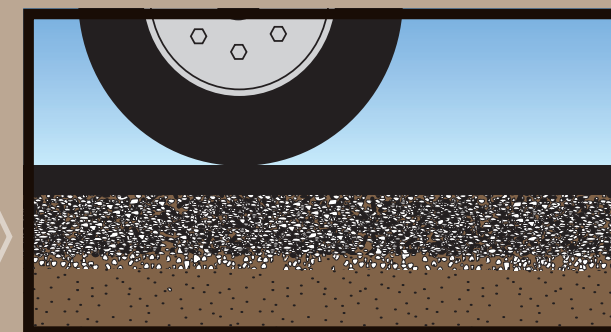
Generally, the old asphalt has to be ripped up and hauled off, the subsurface replaced with new fill, the roadbed recompact, and the road repaved.

OR You can solve the problems quickly and permanently ...

One cost-effective approach solves most common road and street problems.



LONG-TERM SOLUTION



New, stabilized base keeps problems from reappearing.



“Full-depth reclamation projects we did ten years ago, we haven’t had to do anything to.”

Fred Nardini
County Commissioner
San Patricio County, TX

How Full-Depth Reclamation Works

“Full-depth reclamation is a reclamation technique in which the full, flexible pavement section and a predetermined portion of the underlying materials are crushed, pulverized, or blended, resulting in a stabilized base course.”

Asphalt Recycling and Reclaiming Association



“I saw a need immediately with the Zipper in being able to reclaim that asphalt and incorporate it right back into the project, instead of wasting it.”

Doug Davis, P.E.
County Engineer
Muskingum County, OH



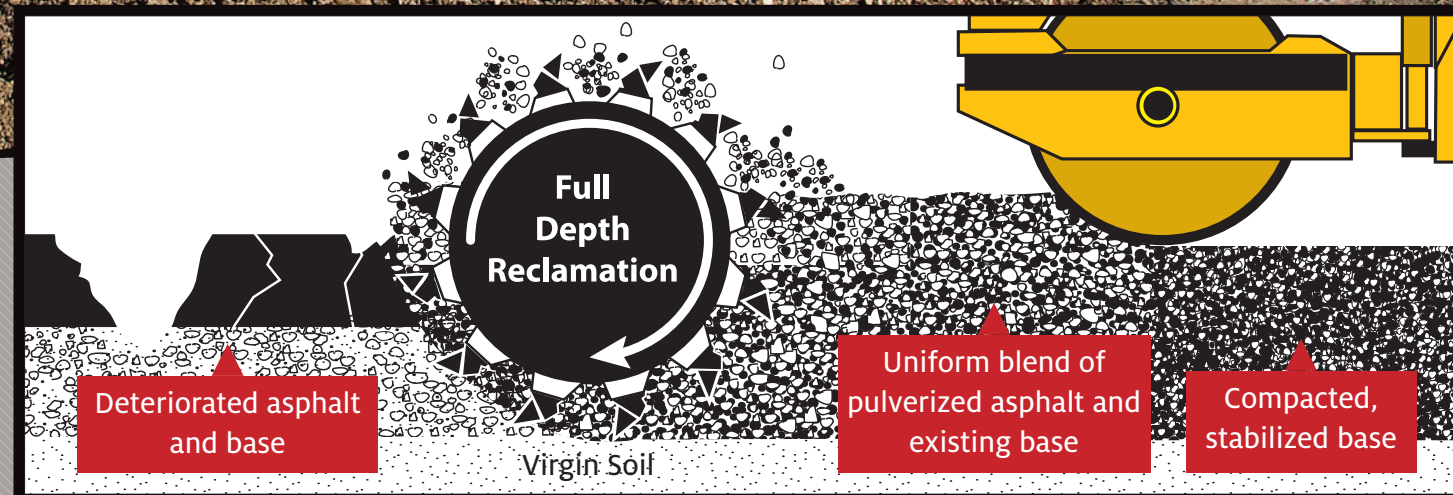
“The best part is that when we grind it we have a product we can use. It’s not a waste product anymore. We can take a waste product and turn it into money and put it back in our pocket.”

Joe Hoke
Road Superintendent
Del Norte County, CA



“This material is wonderful for making a perfect base. We did cost studies using different types of reclamation processes and we found this one to be the least expensive.”

Bob Johnson
Public Works Director
Glenn County, CA



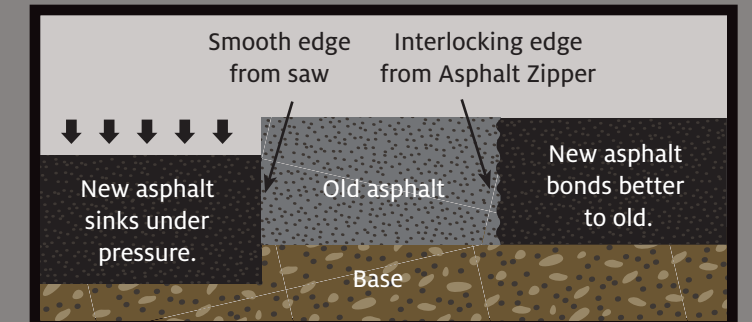
Superior Straight Edge

Creates better bonding surface than a saw-cut edge.



University research has shown that the Zipper edge improves patch joint bond strength by 25 percent over a saw-cut edge.

Guthrie, PhD; Egget, PhD; Woffinden, EIT, “Effect of Scarification on Asphalt Patch Joint Strength,” Transportation Research Board Annual Meeting, 2005.



“The Zipper makes a very clean edge, which enables the asphalt crews to come in and join that and have a cold lap joint with no problem whatsoever.”

J. J. DeCorby
Superintendent, Surerus Pipeline, Inc.
British Columbia

One Machine, Multiple Uses

FULL-WIDTH ROAD REPAIR



"We can do a mile a day. What would have taken 6 to 8 weeks to dig out, we did in 2 weeks with the Zipper."

Stephen Stangland
Road Superintendent
Lake County, CA



SHOULDER STABILIZATION



"It used to take 2 guys a full day to do what we do in less than 2 hours with the Zipper."

Mike Stenhouse
Street Superintendent
Renton, WA



GRAVEL ROADS



"We also use it on our gravel roads. They're hard as a rock! We can do up to a mile and a half in one day."

Edgar Laney
County Commissioner
Palo Pinto County, TX



PATCHING/POTHoles



"Where we used to be able to do 2 a day when we did dig-outs, now we can do 10 to 15 with the Zipper."

Russ Harvey
Operations Manager
San Juan County, WA



PARKING LOTS



"We can pulverize a 10,000 to 17,000 square foot parking lot by mid-morning and have it graded and ready to pave by mid-afternoon."

Jay Armstrong
President, McCann Paving
Stratford, Ontario, Canada



OPENING UTILITY TRENCHES



"We're able to grind a 1000 feet long ditch 9 feet wide in 2 hours to get ready to excavate. It would normally take us 2 days!"

Frank Triplett
Water Division Manager
Spokane, WA



Milling with the Asphalt Zipper®

While the Asphalt Zipper is primarily used for full-depth reclamation, users are also realizing significant cost savings by using it for partial-depth milling operations as well.



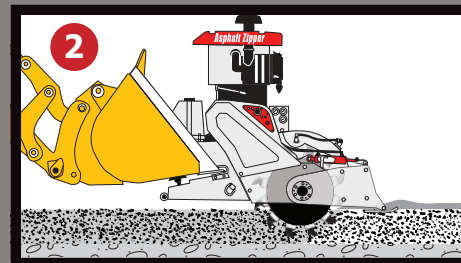
"With labor, fuel, and asphalt the total job for all four decks came in at just under \$100,000, saving the state \$250,000."
State Department of Transportation

Using Additives

Mixing in additives with the Asphalt Zipper® can provide even greater stability and strength.



Spread additional material or additive (crushed rock, cement, fly ash, lime, etc.).



Uniformly blend with an Asphalt Zipper.



"I can't think of a more cost-effective and sustainable way to eliminate chronic pavement distresses than through FDR (full-depth reclamation). It has been my experience that the incorporation of small amounts of additives such as cement or fly ash can turn even the worst roadways into stronger, more durable, and longer-lasting pavements."

Greg Halsted, P.E.

"We use it for everything. We use it on softball diamonds, trenching, for reclaiming, and on our gravel roads. The more we own it, the more we find to use it. Once you have it, you aren't going to live without it. Really."

Frank Shea
Street Superintendent
Wilbraham, MA

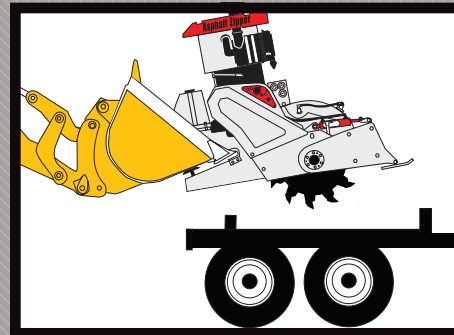
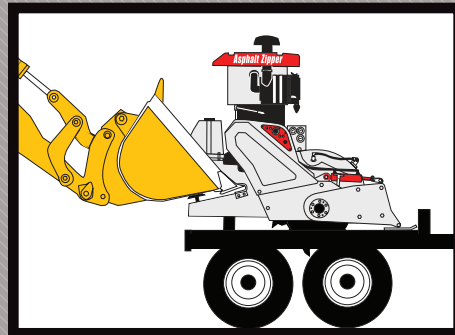
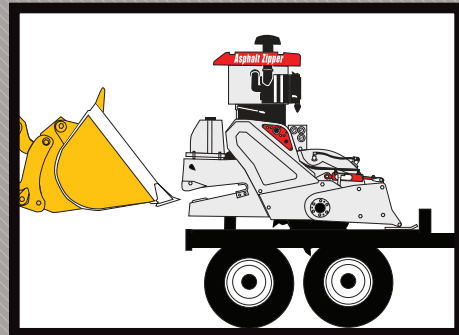


Easy to Use

Versa-Mount™ Easy-Connect System



Asphalt Zipper's patented Versa-Mount™ universal bucket mounting system allows the Zipper to fit the widest possible range of loaders, backhoes, and skid steers. The Asphalt Zipper® mounts securely in just minutes. Optional quick-connect system also available.



"One of the things we like about it is the portability. We can put it on any loader we've got in any section. I have six sections in the county and one Asphalt Zipper. It's a do-all piece of equipment."

Paul Wynek
Supervisor of County Roads
Burlington County, NJ



Easy to Operate



"Our crew has really liked it. It is easier on them to do a good day's work."

Wayne Dierlam
County Commissioner
Victoria County, TX



Easy to Transport

on custom trailer (included)



"It's great; the guys love it. It's real simple, easy to transport, and easy to use."

Marty DiAlexander
Street Supervisor
Ft. Lauderdale, FL



Easy to Maintain



"The guys like it a lot. It makes their job simpler for them. ... The amount of maintenance I have had to do on it ... has been very minimal and it makes my job easier."

Chuck Callari
Fleet Manager
North Miami Beach, FL

Superior Results That Cost Less



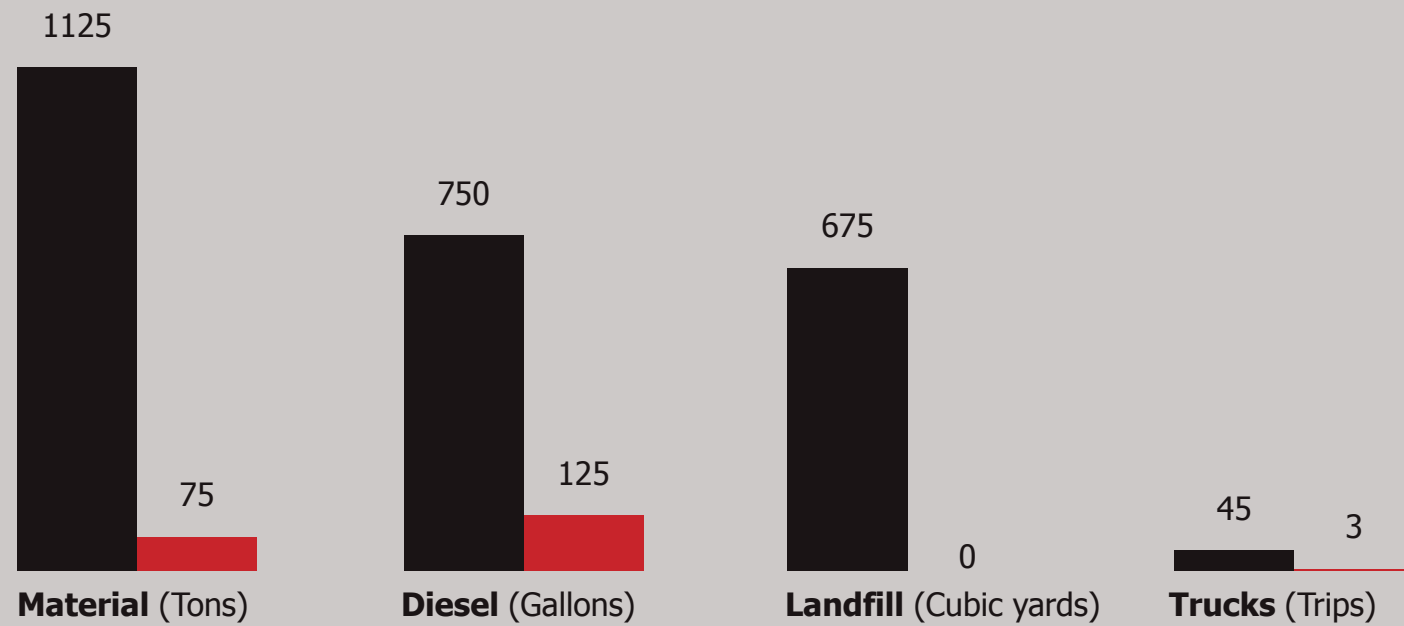
“There’s no way the Zipper can’t save money—unless you purchase it, park it in the garage, and never use it.”

Tracy Jackson
Street Superintendent
Lincoln, IL

Zipper users report significant cost and time savings in their road repair and trenching work.

Comparative Cost of Full-Depth Reclamation (FDR) versus Conventional Reconstruction

Quarter-mile 24-foot-wide road with 6" thick asphalt



Source: Portland Cement Association study.



“Whether you’re going to be out there 2 weeks with a crew or 4 hours—that’s your justification for purchasing a Zipper.”

Richie Beyer, P.E.
County Engineer
Elmore County, AL



“We can do more in a day with the Zipper than we could do the old way with a backhoe in a week.”

Jake Sones
Road Manager
Lamar County, MS



“We can mobilize within minutes and get done in a couple of days what would have taken us weeks.”

Kelvin Baker
Director
North Miami Beach, FL



“When we saw it cut 300 feet of trench in 20 minutes we were all standing around with our mouths open. We can now do in 15 to 20 minutes what used to take all day.”

Johnny Beane
Utility Superintendent
Blacksburg, VA

4 Ways Zipper Owners Are Saving Money:

1

Reusing existing material and reducing expense of material haul-out and haul-in



“The taxpayers have already paid one time for what’s on the road. Why make them pay for something else when you can reuse what’s already there? We’re cutting our costs and time at least in half!”

Dennis Corder
District Supervisor
Pontotoc County, MS

2

Doing work in-house with own crews



“I don’t have to bring in outside contractors. We can get the job done between ¼ and ⅓ of what the bids are for.”

Bruce Hamann
Commissioner
Will Township, IL

3

Cutting down on repeat repairs



“With the Zipper you can fix it and be done permanently. You’re not coming back on a repeat and wasting money. You’re doing it once, doing it right. That’s where the Zipper really pays off.”

Jerry Meyer
Commissioner
Washington Township, IL

4

Freeing up labor and resources for other projects



“What would have taken 6 guys all day, 2 guys can do in 1½ hours. Doing a job in ⅓ of the time means you can now move onto other city services that need to be done and the money saved can be used for other jobs.”

Jay Olson
Public Works Director
Crown Point, IN

Are you already paying for a Zipper without getting the benefits?



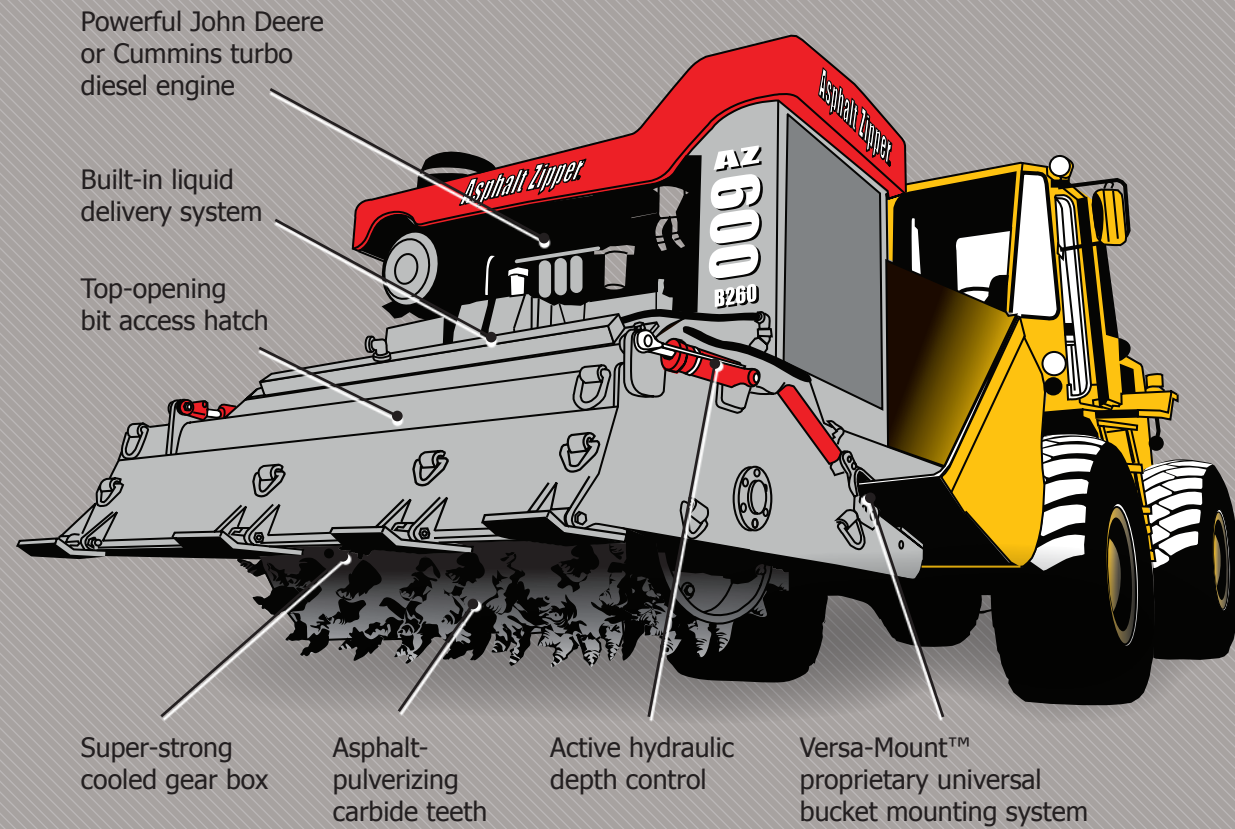
“When we saw this product it was mid-budget year. It was not in our budget. We were going to spend the money anyway. We were going to spend it and throw it away and spend it again every time. Why not buy this piece of equipment, become more productive and eliminate those costs forever? It took some swaying from the rules but it has worked out beyond even our finance office’s expectations.”

Mark Eddington
Utility Superintendent, Pompano Beach, FL



Six Sigma Certified Manufacturing

Asphalt Zipper's Six Sigma Black Belt-certified engineers employ proven methodologies to minimize defects and variability in every aspect of the design and manufacturing process.



Precision Engineering

Over the years our dedicated team of engineers responding to the input and needs of customers have set new benchmarks in design, power and performance. Four generations of machines later, utilizing state-of-the-art design and manufacturing methods, Asphalt Zipper builds the most productive and affordable asphalt reclamation attachments in the world.

AZ-800B	8 foot	2.4 meter
Fits large loaders		
Cutting Width	96"	2438 mm
Maximum Depth	12"	305 mm
Engine Type	Cummins	
Engine Sizes	203 hp 260 hp	
Weight	11,150 lbs.	5058 kg
Other cutting widths available		



AZ-500B	4 foot	1.2 meter
Fits mid to large loaders		
Cutting Width	48"	1219 mm
Maximum Depth	12"	305 mm
Engine Type	John Deere Cummins	
Engine Sizes	99 hp 140 hp 173 hp 203 hp 260 hp	
Weight	8250 lbs.	3742 kg
Other cutting widths available		
3' model available (AZ-400B)		



AZ-600B	6 foot	1.8 meter
Fits mid to large loaders		
Cutting Width	72"	1829 mm
Maximum Depth	12"	305 mm
Engine Type	John Deere Cummins	
Engine Sizes	173 hp 203 hp 260 hp	
Weight	9450 lbs.	4286 kg
Other cutting widths available		



AZ-360B	3 foot	0.9 meter
Fits most loaders		
Cutting Width	36"	915 mm
Maximum Depth	12"	305 mm
Engine Type	John Deere	
Engine Sizes	66 hp 99 hp 140 hp 173 hp	
Weight	6650 lbs.	3016 kg
Other cutting widths available		
4' model available (AZ-480B)		



Accessories

AZ-300B	2½ foot	0.8 meter
Fits most backhoes		
Cutting Width	30"	762 mm
Maximum Depth	10"	254 mm
Engine Type	John Deere	
Engine Sizes	66 hp 99 hp	
Weight	4500 lbs.	2041 kg
Other cutting widths available		



AZ-200C	2 foot	0.6 meter
Fits most medium skid steer tool bars		
Cutting Width	24"	610 mm
Maximum Depth	8"	203 mm
Engine Type	John Deere	
Engine Size	66 hp	
Weight	5200 lbs.	2359 kg
Other cutting widths available		



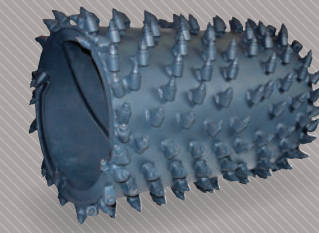
Cutter Heads

Choose the type of cutter head best suited to your needs. Cutter heads are available in 18", 24", 30", 36", 42", 48", 72", and 96" widths. Custom sizes also available.



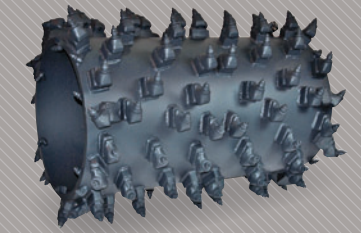
Standard

Good all-around cutter head for a wide variety of jobs. Designed to handle most asphalt recycling applications.



Extra Fine

Produces finer material. Engineered specifically for thinner deteriorated asphalt.



Z-Mag

Our heaviest-duty cutter head, engineered to provide greater production in thicker asphalt.

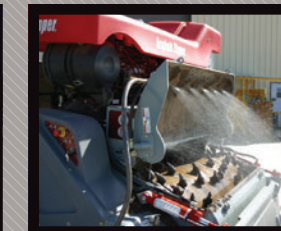
GrindBox™



Enhanced pulverizing capability in thin, cracked and severely alligatored asphalt

Using an asphalt grinder of any type on chip seal or on thin or badly alligatored asphalt typically leaves larger chunks in the finished product. The increased processing capability of Asphalt Zipper's GrindBox™ (patent pending) produces the finest material achievable in this type of material.

Water System



Water extends bit life and is essential for optimum compaction, but it is not always available when and where you need it. With Asphalt Zipper's portable 150 and 300 gallon water systems, you can always have access to the water you need.

Quick-Connect with Side Shift and Tilt



Asphalt Zipper's optional quick-connect system secures into the Versa-Mount™ bucket slot. Its side shift and tilt capability provides an impressive 36 inches of reach and 9 degrees of tilt, making profiling and grinding next to curbs a snap. Also, the quick-connect system can be removed when you want to use the Zipper on other loader buckets.



In 2005 Asphalt Zipper received the NOVA Award, the preeminent international award for innovation in construction.



"The NOVA Award is the pinnacle; it's recognized as the top award in construction worldwide."

Dr. Robert I. Carr, P.E.
Professor of Engineering
University of Michigan



"Of all the companies I have dealt with, I would put Asphalt Zipper right at the top."

Tim Dow
Superintendent
Lisbon, NY



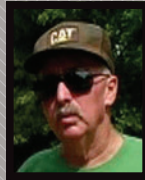
"You can't beat it. We are all in the same budget crunch, and the best bang for your dollar is through a machine like this. I haven't seen anything that will equal the Asphalt Zipper. I would recommend it 150%."

Virgil Hardy
Public Works Manager
Siskiyou County, CA



"Once you have had one, you will never want to go away from it. It's a great company. It's a great machine. These are the guys to work with."

Tad Blanton
Supervisor
Medford, OR



"Until you see one at work, you won't believe what this machine will do. It will cut a road as good as any big machine I have seen, and cost-wise you can't beat it. This is one of the best pieces of equipment we have bought."

Rodney Colvin
Road Foreman
Lincoln Parish, LA



"It's really about the utilization of our manpower. It's like having a fourth or fifth or sixth guy on the crew. It is an excellent machine."

Gary Fenstermaker
Public Works Director
Snowflake, AZ



"It will pay for itself in a short period of time. The guys love it. They know no piece of equipment will ever take the place of a good man but this equipment helps a good man do a better job."

Mike Ackerman
Street Supervisor
Round Rock, TX

For more information
or to schedule a demo, call
1-888-ZIPPER-8
(1-888-947-7378)

www.asphaltzipper.com

LOCAL REPRESENTATIVE