

ZIPPER®

ELIMINATE POTHOLES, CRACKS & RUTS

**LONGER LASTING ROAD REPAIRS
FOR LESS THAN HALF
THE COST**



NEW **GEN 8** **MACHINES FOR 2025**

Asphalt Zipper®

World Leader in Portable Reclaimers/Stabilizers and Utility Trenchers

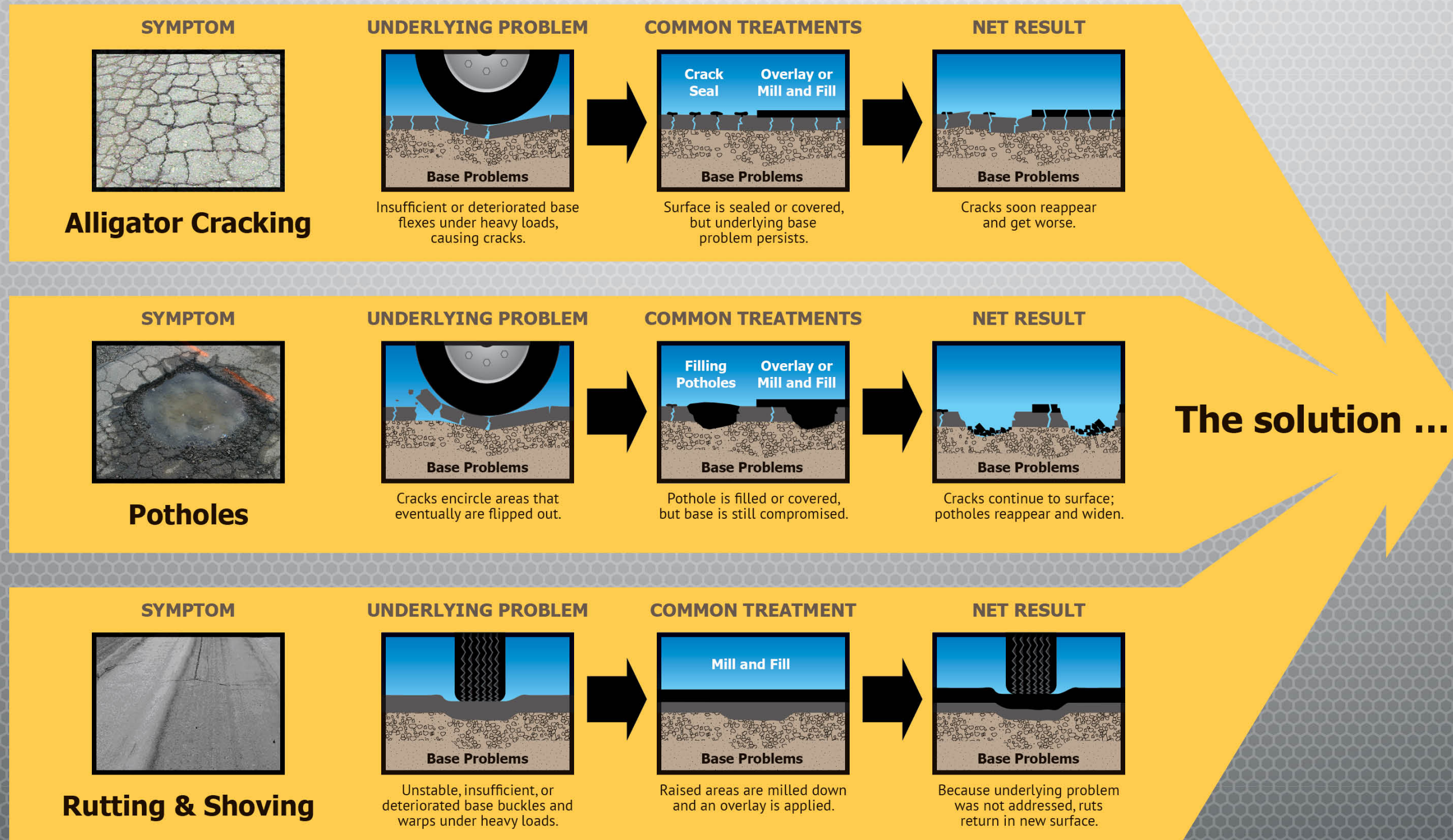
Most Potholes, Cracks and Ruts Result from Base Problems

Most surface problems are actually a result of base problems, rather than the surface itself. Common repair methods only treat the surface. But the underlying problem persists, so the repairs have to be redone again and again.



"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



The solution ...

TRADITIONAL RECONSTRUCTION



Slow and Expensive

The old asphalt is ripped up and hauled off and the subsurface replaced with new fill.

OR

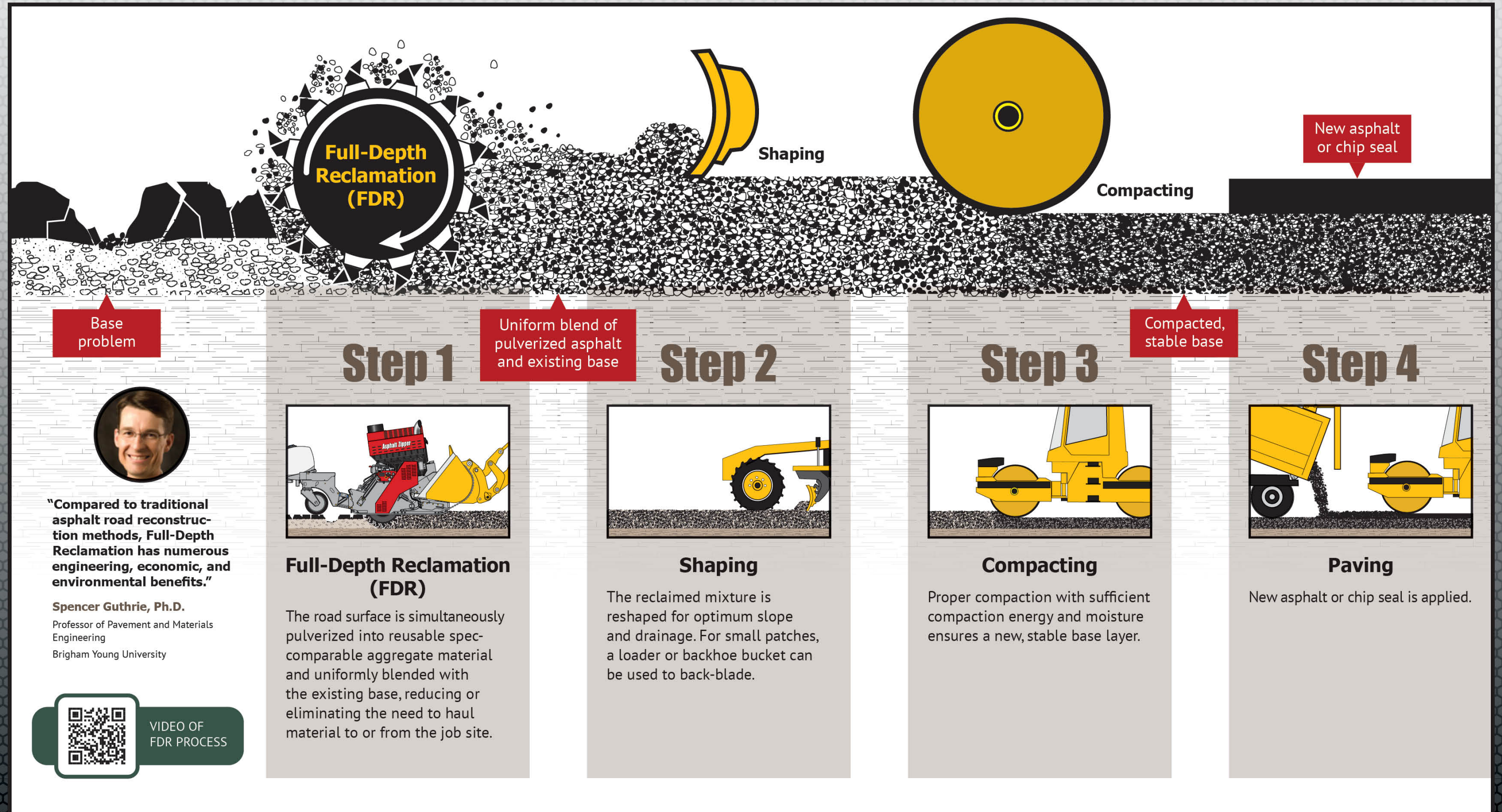
RECYCLING WITH FULL-DEPTH RECLAMATION



Quick and Inexpensive

The old asphalt is pulverized into spec-comparable material and blended into the base.

Recycling Worn-out Roads with Full-Depth Reclamation



Base problem



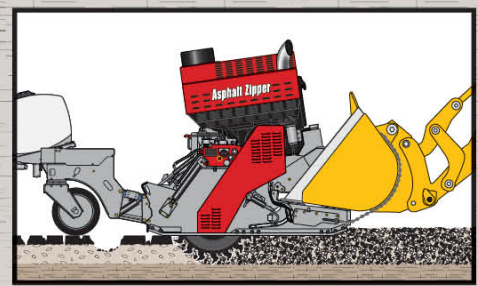
"Compared to traditional asphalt road reconstruction methods, Full-Depth Reclamation has numerous engineering, economic, and environmental benefits."

Spencer Guthrie, Ph.D.
Professor of Pavement and Materials Engineering
Brigham Young University



Step 1

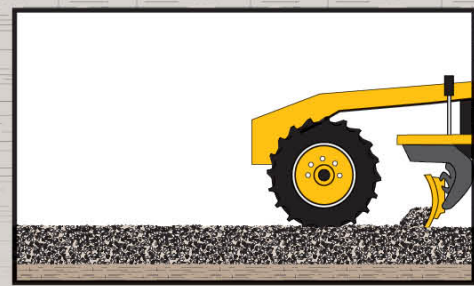
Uniform blend of pulverized asphalt and existing base



Full-Depth Reclamation (FDR)

The road surface is simultaneously pulverized into reusable spec-comparable aggregate material and uniformly blended with the existing base, reducing or eliminating the need to haul material to or from the job site.

Step 2

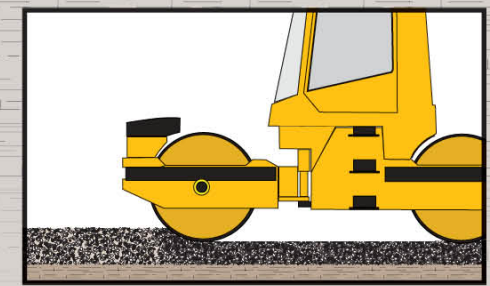


Shaping

The reclaimed mixture is reshaped for optimum slope and drainage. For small patches, a loader or backhoe bucket can be used to back-blade.

Step 3

Compacted, stable base



Compacting

Proper compaction with sufficient compaction energy and moisture ensures a new, stable base layer.

Step 4

New asphalt or chip seal



Paving

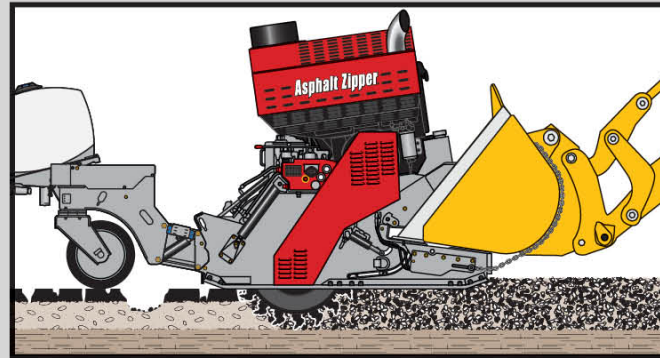
New asphalt or chip seal is applied.

3 Proven Approaches to Full-Depth Reclamation (FDR)

Basic Stabilization

FDR WITH EXISTING MATERIAL

Full-Depth Reclamation is performed to simultaneously pulverize the entire thickness of the existing road surface and uniformly blend it with the existing road base. The result is reusable, well-graded aggregate material that, once re-compacted, creates a new base that can be significantly more stable.



Pulverize old road surface and blend with base.

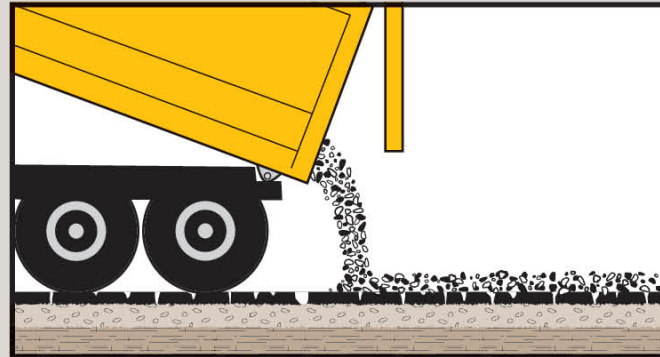
When Basic Stabilization Is Not Enough . . .

If the sum total of the existing road surface and base material above the native soil is insufficient to produce desired base composition and depth, then **Mechanical Stabilization** and/or **Chemical Stabilization** is recommended, depending on conditions.

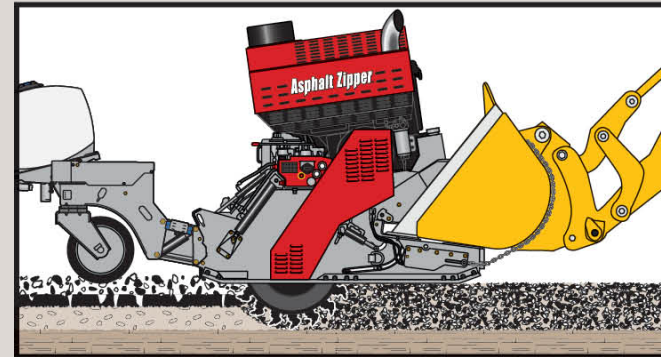
Mechanical Stabilization

FDR WITH ADDITIONAL MATERIAL

Additional aggregate or road base is spread over the road surface prior to performing Full-Depth Reclamation. This is an easy way to supplement the existing road surface and the existing base to achieve desired base depth with greater stability.



Spread gravel or additional base material on old road surface.



Pulverize old road surface and blend with base.



"The most cost-effective way we have found to repair our worst roads is to spread a layer of base material and blend that into the base with our Asphalt Zipper. This makes an incredibly solid base. It's like building a house: get the foundation right and you save yourself a lot of future problems."

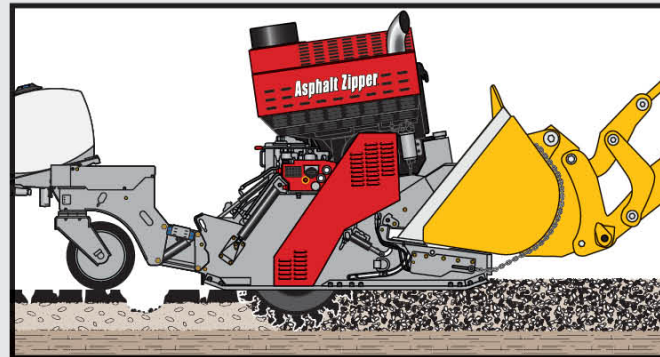
Jerry Haynie

Road Manager (retired), Lafayette County, MS;
former Chairman (8 years), Mississippi Road
Managers Association

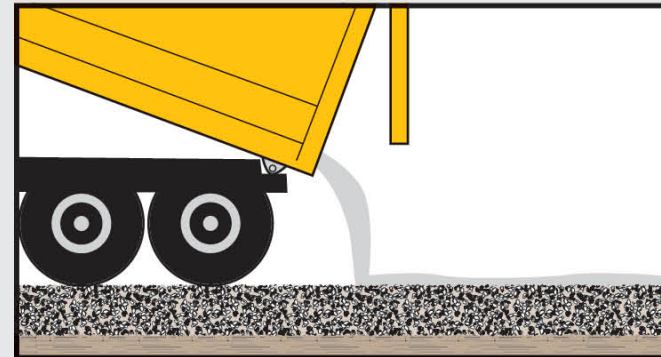
Chemical Stabilization

FDR WITH CHEMICAL ADDITIVES

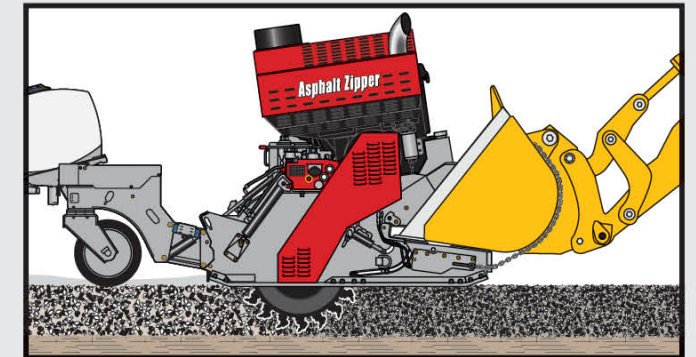
Full-Depth Reclamation to the desired depth is performed, and then a chemical additive, such as portland cement or a suitable alternative, is applied and blended to the same depth in a second pass.



Pulverize old road surface and blend with base.



Spread additive over blended base.



Blend additive into blended base.



"Our Asphalt Zippers have enabled us to cement-stabilize 503 miles of our roads over the past 12 years, because we can now do in a day what used to take 2 weeks."

Richie Beyer, P.E.

County Engineer and past President of NACE (National Association of County Engineers)
Elmore County, AL

For All Sizes of Road Repairs

PATCHES



SMALL

(A few hundred square feet or less)

Do in **1 to 2 hours** what used to take **all day**.

CITY BLOCKS

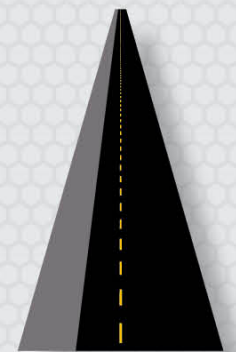


MEDIUM

(Up to a city block)

Do in **a day** what used to take **a week or two**.

FULL-WIDTH ROADS

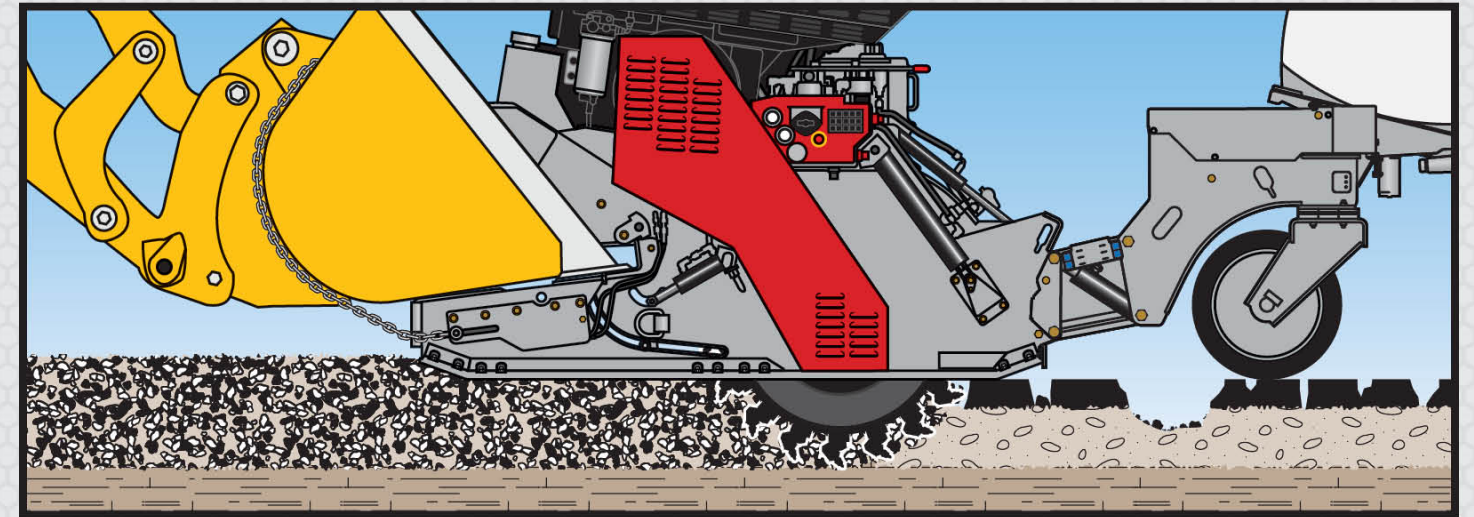


LARGE

(Up to a half mile or more)

Do in **a couple of days** what used to take **weeks**.

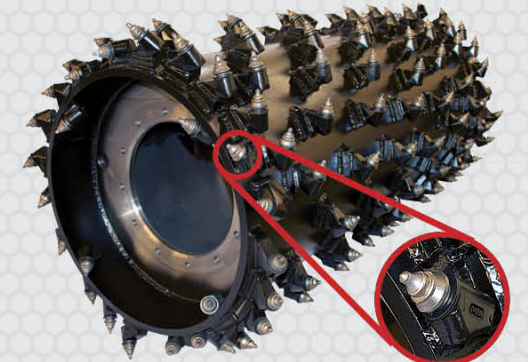
Pulverizes and Blends Old Asphalt into Base



Asphalt Zipper's patented ZipTec™ Enhanced Pulverizing Systems improve the already unmatched pulverizing capability of Asphalt Zipper® machines, especially in thin, cracked, or alligatored asphalt and chip seal.



Asphalt Zipper machines turn worn-out asphalt and chip seal road surfaces into spec-comparable base material.

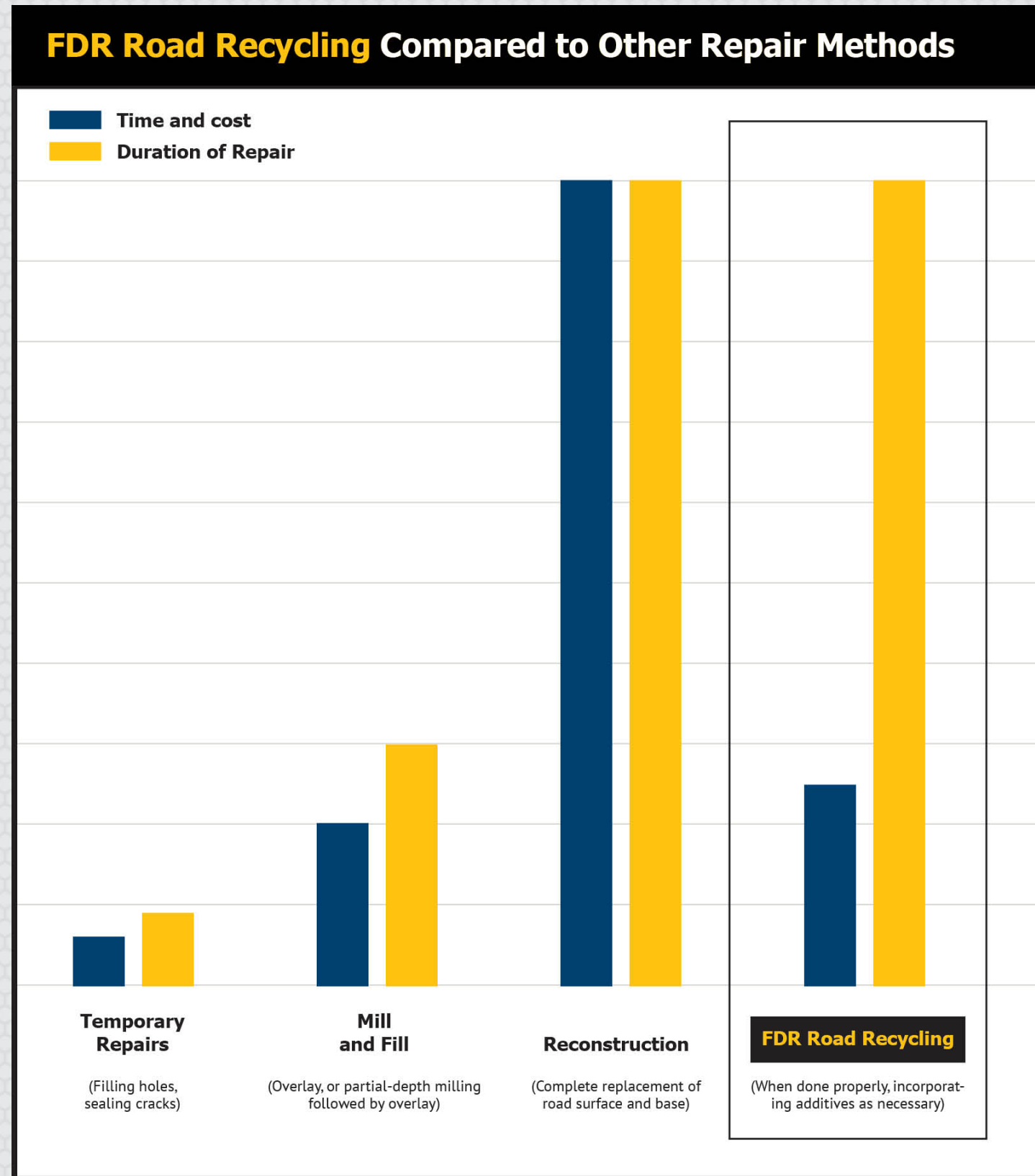


High-performance Z-Pro™ cutter head features super-duty, double-carbide cutting teeth for longevity and maximum production.



Cutting teeth replacement is a simple operation with basic tools.

How Does FDR Road Recycling Compare?



Road recycling with Full-Depth Reclamation gives you virtually all the benefits of complete reconstruction for little more than you now spend on temporary repairs.



Advantages of FDR Road Recycling

- ▶ Recycles asphalt or chip seal and base in place
- ▶ Cost savings of up to 70% or more
- ▶ Up to 100% savings on new base material
- ▶ Up to 90% or more fuel savings and emissions reduction
- ▶ No more fixing the same potholes over and over

Ultimate Versatility

One Machine, Multiple Uses

The unsurpassed portable power and production of Asphalt Zipper machines make it easy to do a wide range of projects involving Full-Depth Reclamation, soil stabilization, and surface milling.



"We use it for everything. We use it for road reclamation, utility trenching, gravel roads, and on our softball diamonds. Once you have it, you aren't going to live without it."

Frank Shea
Street Superintendent
Wilbraham, MA



APPLICATIONS
IN ACTION

GRAVEL ROADS



ALLEYWAYS



SURFACE MILLING



TRAILS/PATHS



SOIL STABILIZATION



WHEEL RUTS



UTILITY TRENCHING



Asphalt Zipper[®] Machines

Power, Production, and Unsurpassed Reliability

- Easy to use, easy to transport
- Loaded with patented technologies
- Produce the best spec-comparable base material, with superior gradation

NEW GEN 8 MACHINES FOR 2025



"I have seen the bigger machines work and I was skeptical of this smaller machine. Once you see the finished product, there is no difference."

Charlie Tewalt
Supervisor
Mt. Vernon, WA

CAN PAY FOR ITSELF IN
5 DAYS OF USE



480Xi
SEE IT IN ACTION

Loader-mount 4-foot cutting width model with patented Accu-Trak™ Wheel Assist.

Other models also available, with up to 8-foot cutting width.



720Xi
SEE IT IN ACTION

Loader-mount 6-foot cutting width model with patented Accu-Trak™ Wheel Assist.

CAN PAY FOR ITSELF IN
6 DAYS OF USE



"In my 25 years in construction, prior to spending 11 years as a professor, 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.
Professor, University of Florida
NOVA Award Juror

Call for details on how a new Asphalt Zipper machine can pay for itself in just a few days of use.



420X
SEE IT IN ACTION

Backhoe-mount 42-inch cutting width model with patented Accu-Trak™ Wheel Assist.

CAN PAY FOR ITSELF IN
4 DAYS OF USE

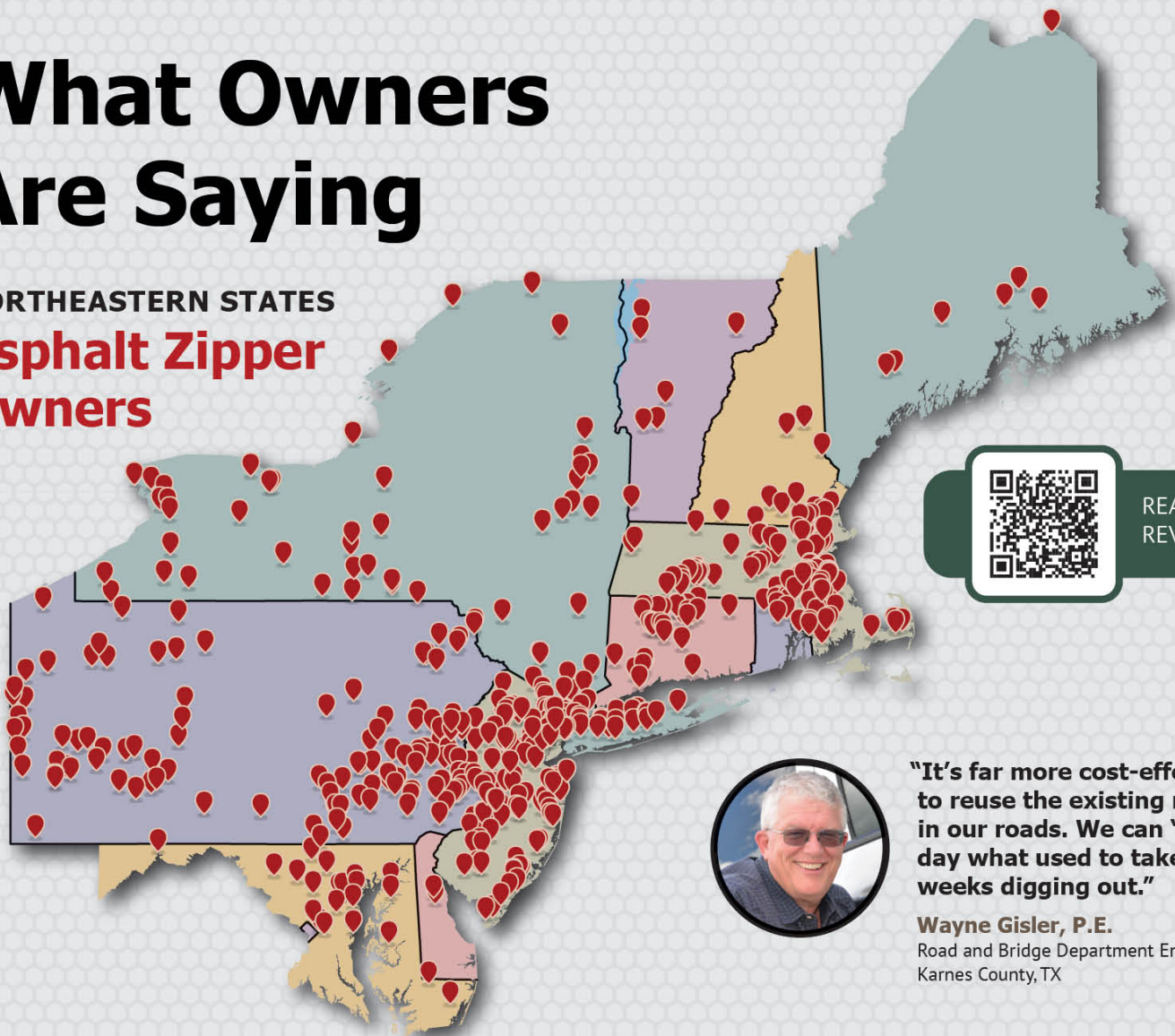
WARRANTY 1 YEAR UNLIMITED HOURS

Standard warranty for all machines

What Owners Are Saying

NORTHEASTERN STATES

Asphalt Zipper Owners



"It's far more cost-effective to reuse the existing materials in our roads. We can 'Zip' in a day what used to take 2 to 3 weeks digging out."

Wayne Gisler, P.E.
Road and Bridge Department Engineer
Karnes County, TX



"It's hard to believe that a process that is faster, also lasts longer and even costs less. But that's exactly what we have found."

Tony Vasquez
Public Works Division Chief
Bexar County, TX



"For us FDR means more than Full-Depth Reclamation; it also means Finally Done Right."

Fred Nardini
Former County Commissioner
San Patricio County, TX

Asphalt Zipper

Quicker, Easier, Longer Lasting Road Repairs for Less Than Half the Cost

Toll-free: **1-888-ZIPPER-8**
(1-888-947-7378)

Direct: +1 (801) 785-0706

AsphaltZipper.com

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"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

