Regular Meeting/Work Session of the:

Pampa City Commission
August 14, 2012
4:00 p.m.

City of Pampa
201 W. Kingsmill St.
P.O. Box 2499
Pampa, Texas  79066-2499
Phone: 806-669-5750
Fax: 806-669-5767
PLEDGE OF ALLEGIANCE TO TEXAS FLAG

“HONOR THE TEXAS FLAG; I PLEDGE ALLEGIANCE TO THEE, TEXAS, ONE STATE UNDER GOD, ONE AND INDIVISIBLE.”
Notice is hereby given of a REGULAR MEETING/BUDGET WORK SESSION of the City Commission of the City of Pampa, Texas to be held on TUESDAY, AUGUST 14, 2012 at 4:00 p.m. at City Hall – City Commission Chamber, Third Floor, 201 W. Kingsmill, Pampa, Texas, for the purpose of considering the following agenda items.

All agenda items are subject to action. The City Commission reserves the right to adjourn into Executive Session on any agenda item should the need arise and if applicable pursuant to authorization by Title 5, Chapter 551, of the Texas Government Code.

CALL TO ORDER

INVOCATION

PLEDGE OF ALLEGIANCE

PLEDGE ALLEGIANCE TO TEXAS FLAG

PUBLIC COMMENTS:
Citizens who have signed a card to speak to the City Commission will be heard at this time. In compliance with the Texas Open Meetings Act, unless the subject matter of the presentation is on the agenda, the City Staff and City Commission Members are prevented from discussing the subject and may respond only with statements of factual information or existing city policy. Citizens are limited to three (3) minutes for their presentation to the City Commission.

AUTHORIZATIONS BY CITY COMMISSION:

1. Consider approving the minutes of the July 24, 2012 regular City Commission Meeting as presented.

2. Excuse the absence of Mayor Brad Pingel and Commissioner John Studebaker from the July 24, 2012 Regular City Commission Meeting.

3. Consider all matters incident and related to declaring the expectation to reimburse expenditures with proceeds of future debt, include the adoption of Resolution No. R12-015 pertaining thereto.

4. Consider authorizing the Public Works Director to file a letter with the Panhandle Ground Water Conservation District seeking a drilling permit for a water well.

5. Consider approving on first reading Ordinance No. 1573, an Ordinance of the City of Pampa amending the revenues and appropriations for the support of the City of Pampa for the fiscal year beginning October 1, 2011 and ending September 30, 2012. This amendment increases sales tax revenue and provides for an asphalt zipper.

ADJOURNMENT

WORK SESSION – No Action to be Taken

BUDGET REVIEW

▶ Freedom Museum – Andy Epps

▶ PEDC Budget – Gary Sutherland
1. General Fund

- 01 – Mayor & Commission
- 02 – Administration
- 03 – Finance
- 05 – Municipal Court
- 08 – Police Services
- 09 – Emergency Medical Services
- 10 – Fire Prevention
- 11 – Planning & Engineering
- 12 – Streets
- 13 – Parks
- 14 – Recreation
- 15 – Building & Grounds
- 16 – Community Services
- 17 – Fire Suppression
- 18 – Code Enforcement
- 19 – Animal Control
- 20 – Dispatch
- 26 – Emergency Management
- 41 – Information Technology
- 45 – Central Garage
- 48 – Solid Waste Collections

2. Leased Properties – Fund 30

ADJOURNMENT

CERTIFICATION

I certify that the above Agenda was posted on the outside officially designated bulletin board in front of City Hall, facing Kingsmill Street, a place convenient and readily accessible to the general public at all times and said Agenda was posted on Friday, August 10, 2012 before 5:00 p.m. and remain so posted continuously for at least 72 hours preceding the scheduled time of said meeting.

Karen L. Price, City Secretary

ASSESSIBILITY STATEMENT

In compliance with the Americans with Disabilities Act, the City of Pampa will provide for reasonable accommodations for persons attending City Commission meetings. To better serve you, requests should be received 24 hours prior to the meetings. Please contact Karen Price, City Secretary, at 669-5750. City Hall is wheelchair accessible. Entry is on the West side of the building.

AGENDA REMOVAL NOTICE

This public notice was removed from the official designated bulletin board at 201 W. Kingsmill Street, Pampa, Texas, City Hall on the following date and time:

Date: ___________________________ Time: ___________________________

By: ____________________________
<table>
<thead>
<tr>
<th>ITEM/PROJECT:</th>
<th>MINUTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEETING DATE:</td>
<td>August 14, 2012</td>
</tr>
<tr>
<td>DESCRIPTION:</td>
<td>Consider approving the minutes of the July 24, 2012 regular City Commission Meeting as presented.</td>
</tr>
<tr>
<td>STAFF CONTACT:</td>
<td>Karen Price</td>
</tr>
<tr>
<td>FINANCIAL IMPACT:</td>
<td></td>
</tr>
<tr>
<td>SOURCE OF FUNDS:</td>
<td></td>
</tr>
<tr>
<td>START/COMPLETION SCHEDULE:</td>
<td></td>
</tr>
<tr>
<td>RECOMMENDED ACTION:</td>
<td>Approve minutes as presented.</td>
</tr>
<tr>
<td>BACKGROUND/ADDITIONAL INFORMATION:</td>
<td>Minutes attached.</td>
</tr>
</tbody>
</table>
CALL TO ORDER: Mayor Protem Robert Dixon at 4:00 p.m.

PRESENT: Robert Dixon Mayor Protem
Chris Porter Commissioner
Karen McLain Commissioner

ABSENT: Brad Pingel Mayor
John Studebaker Commissioner

STAFF: Richard Morris City Manager
Leland Waters City Attorney
Karen Price City Secretary
Robin Bailey Finance Director
Kim Powell Fire Chief
Kelly Rushing Chief of Police
Gayla Pickens Assistant Finance Director
Jil Arias Engineer in Training
Kevin Webb IT Manager
Charlene Gardner Deputy City Secretary

VISITORS: Paul Nachtigall Highland Baptist Church
Clay Rice PEDC
Cleo Meaker

NEWS MEDIA: Mike Ehrle KGRO
Mollie Bryant Pampa News

INVOCATION: Paul Nachtigall Highland Baptist Church

PLEDGE OF ALLEGIANCE

PUBLIC COMMENTS: NONE

SPOTLIGHT:

► Richard Morris, City Manager recognized Charlene Gardner and Karen Price for the hard work and planning they did for all of the City’s Centennial celebrations.

AUTHORIZATIONS BY COMMISSION:

12-090

1. Consider approving the minutes of the July 10, 2012 regular City Commission Meeting as presented.

A motion was made by Commissioner McLain and Seconded by Commissioner Porter to approve the minutes of the July 10, 2012 Regular City Commission meeting as presented, with each Commission Member voting AYE, the motion carried.

12-091

2. Excuse the absence of Commissioner John Studebaker from the July 10, 2012 Regular City Commission meeting.
A motion was made by Commissioner Porter and Seconded by Commissioner McLain to excuse the absence of Commissioner John Studebaker from the July 10, 2012 regular City Commission Meeting, with each Commission Member voting AYE, the motion carried.

12-092

3. Consider adopting Resolution No. R12-014, a Resolution of the City of Pampa, Texas reappointing Rex McKay to the Canadian River Municipal Water Authority Board of Directors for a two year term, with term ending July 31, 2014.

A motion was made by Commissioner McLain and Seconded by Commissioner Porter to adopt Resolution No. R12-014, a Resolution of the City of Pampa, Texas reappointing Rex McKay to the Canadian River Municipal Water Authority Board of Directors for a two year term, with term ending July 31, 2014, with each Commission Member voting AYE, the motion carried.

12-093

4. Consider approving the Re-Plat for the Coronado Heights Addition.

A motion was made by Commissioner Porter and Seconded by Commissioner McLain to approve the Re-Plat for the Coronado Heights Addition legal description being a subdivision of a portion of the Northeast Quarter of Section 115, Block 3 I&GN RR Co. Survey, with each Commission Member voting AYE, the motion carried.

12-094

5. Consider approving the List of Disbursements.

A motion was made by Commissioner McLain and seconded by Commissioner Porter to approve the List of Disbursements dated June 30, 2012 with total disbursements being $1,805,568.59 and the amount after balance sheet and income accounts being $1,152,061.21, with each Commission Member voting AYE, the motion carried.

12-095

6. CONSENT AGENDA – All Consent Agenda items listed are considered to be routine in nature by the City Commission and will be enacted by one motion. There will be no separate discuss on these items unless a Commissioner so request, in which event, that item will be removed from the Consent Agenda and considered in normal sequence on the agenda. Information concerning Consent Agenda items is attached.

   a. Consider awarding a bid in the amount of $1,100.00 from Ana Luisa Silva for delinquent tax property located at Lots 2 & 3, Block 3, Woods Addition, commonly known as 707 Ballard.

   b. Consider awarding a bid in the amount of $450.00 from Tania Hinojosa for delinquent tax property located at Lot 12, Block 42, Wilcox Addition, commonly known as 931 & 927 Denver.

   c. Consider awarding a bid in the amount of $600.00 from Jose Alejandro Gonzalez Jr. for delinquent tax property located at Lot 12, Block 42, Tally Addition, commonly known as 312 N. Zimmers.
A motion was made by Commissioner Porter and Seconded by Commissioner McLain to approve the Consent Agenda Items A-C as presented, with each Commission Member voting AYE, the motion carried.

ADJOURNMENT

There being no further business on the agenda, the meeting was adjourned at 4:12 p.m. by Mayor Protem Robert Dixon.

Karen L. Price, City Secretary  Robert Dixon, Mayor Protem
AGENDA ITEM NO. 2

ITEM/PROJECT: EXCUSE MAYOR/COMMISSION ABSENCE

MEETING DATE: August 14, 2012

DESCRIPTION: Excuse the absence of Mayor Brad Pingel and Commissioner John Studebaker from the July 24, 2012 regular City Commission Meeting.

STAFF CONTACT:

FINANCIAL IMPACT:

SOURCE OF FUNDS:

START/COMPLETION SCHEDULE:

RECOMMENDED ACTION:

BACKGROUND/ADDITIONAL INFORMATION:
AGENDA ITEM NO. 3

ITEM/PROJECT: RESOLUTION NO. R12-015-REIMBURSE EXPENDITURES

MEETING DATE: August 14, 2012

DESCRIPTION: Consider all matters incident and related to declaring the expectation to reimburse expenditures with proceeds of future debt, including the adoption of Resolution No. R12-015 pertaining thereto.

STAFF CONTACT: Robin Bailey

FINANCIAL IMPACT:

SOURCE OF FUNDS:

START/COMPLETION SCHEDULE:

RECOMMENDED ACTION: Adopt Resolution No. R12-015 as read.

BACKGROUND/ADDITIONAL INFORMATION: Resolution attached
RESOLUTION NO. R12-015

A RESOLUTION DECLARING EXPECTATION TO REIMBURSE EXPENDITURES WITH PROCEEDS OF FUTURE DEBT.

WHEREAS, the City of Pampa, Texas (the "Issuer") intends to issue debt to finance constructing and equipping an animal welfare facility (the “project”) and further intends to make certain capital expenditures for the Project and currently desires and expects to reimburse such capital expenditures with proceeds of such debt;

WHEREAS, under Treas. Reg. §1.150-2 (the "Regulation"), to fund such reimbursement with proceeds of tax-exempt obligations the Issuer must declare its expectation to make such reimbursement; and

WHEREAS, the Issuer desires to preserve its ability to reimburse the expenditures with proceeds of tax-exempt obligations;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF PAMPA, TEXAS THAT the Issuer reasonably expects to reimburse capital expenditures with respect to the Projects from funds on hand with the proceeds of debt hereafter to be issued by the Issuer, and that this resolution shall constitute a declaration of official intent under the Regulation. The maximum principal amount of obligations expected to be issued for the Projects is $3,000,000.

PASSED AND ADOPTED this 14th day of August, 2012.

CITY OF PAMPA, TEXAS

_____________________________
Brad Pingel, Mayor

ATTEST:

_____________________________
Karen L. Price, City Secretary
(City Seal)

PPROVE AS TO FORM:

_____________________________
Leland W. Waters, City Attorney
AGENDA ITEM NO. 4

ITEM/PROJECT: PRIVATE WATER WELL IN CITY LIMITS

MEETING DATE: August 14, 2012

DESCRIPTION: Consider authorizing the Public Works Director to file a letter with the Panhandle Ground Water Conservation District granting the approval to John Ferguson to seek a drilling permit through the PGWCD for a water well in an agricultural zoned property consisting of 16 acres within the City Limits not to exceed 10 gallons per minute pumping capacity.

STAFF CONTACT: Donny Hooper

FINANCIAL IMPACT: N/A

SOURCE OF FUNDS: N/A

START/COMPLETION SCHEDULE: N/A

RECOMMENDED ACTION: Authorize the Public Works Director to file a letter with the Panhandle Ground Water Conservation District approving the drilling of a water well on 16 acres in an agricultural zoned portion of the City of Pampa.

BACKGROUND/ADDITIONAL INFORMATION: Information will be presented at Commission Meeting.
Dear Sir,

Donnie Hooper, in regard to our conversation. I am the owner of the 16 acres located across the alley between 20th Street & 19th Street just off Holly LN.

I have a pond that is drying up & I want to drill a water well. I have talked to the water well folks & they propose to drill a well that would produce about 20-25 gals per minute.

I am asking for permission to do so.

This land is agriculture land.

Thank you so much.

John E. Ferguson
1940 Holly LN.

1-806-665-3888
AGENDA ITEM NO. 5

ITEM/PROJECT: ORDINANCE NO 1573 – BUDGET AMENDMENT

MEETING DATE: August 14, 2012

DESCRIPTION: Consider approving on first reading Ordinance No. 1573, an Ordinance of the City of Pampa amending the revenues and appropriations for the support of the City of Pampa for the fiscal year beginning October 1, 2011 and ending September 30, 2012. This amendment increases sales tax revenue and provides for an asphalt zipper.

STAFF CONTACT: Donny Hooper

FINANCIAL IMPACT: $160,000.00

SOURCE OF FUNDS: Sales Tax

START/COMPLETION SCHEDULE: Budget amendment will be effective after adoption by Commission.

RECOMMENDED ACTION: Approve Ordinance No. 1573 on first reading.

BACKGROUND/ADDITIONAL INFORMATION: Ordinance attached.
ORDINANCE NO. 1573

AN ORDINANCE AMENDING THE REVENUES AND APPROPRIATIONS FOR THE SUPPORT OF THE CITY OF PAMPA FOR THE FISCAL YEAR BEGINNING OCTOBER 1, 2011 ENDING SEPTEMBER 30, 2012. THIS AMENDMENT INCREASES SALES TAX REVENUE AND PROVIDES FOR AN ASPHALT ZIPPER.

BE IT ORDAINED BY THE CITY OF PAMPA, TEXAS:

That the funds listed below are amended from the original revenues to the amended revenues as follows:

<table>
<thead>
<tr>
<th>Fund</th>
<th>Original Budget</th>
<th>Current Revised Budget</th>
<th>Revised Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-General</td>
<td>$11,604,532</td>
<td>$11,708,432</td>
<td>$11,868,432</td>
</tr>
</tbody>
</table>

That the funds listed below are amended from the original appropriations to the amended appropriations as follows:

<table>
<thead>
<tr>
<th>Fund</th>
<th>Original Budget</th>
<th>Current Revised Budget</th>
<th>Revised Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-12-45060</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$160,000</td>
</tr>
</tbody>
</table>

INTRODUCED, PASSED AND APPROVED on its first reading this the 14th day of August, 2012.

READ, APPROVED AND ADOPTED on its second and final reading this the ______day of August, 2012.

CITY OF PAMPA

By: Brad Pingel, Mayor

ATTEST:

Karen L. Price, City Secretary

APPROVED AS TO FORM:

Leland W. Waters, City Attorney
The City of St. George, Utah shaved 70% off repaving expenses. The Town of Matthews, North Carolina completed a job, budgeted to cost $53,000 and take 20 days, for $19,000 in only 4 days. Larry Hess, owner of Hess Construction in California, says he’s saved so much money he hopes his competition never finds out about it.

Nationwide, contractors and municipalities are saving tens of thousands of dollars by revolutionizing the way they reclaim and recycle asphalt. And that revolution is found in an unlikely package – a small milling machine called the Asphalt Zipper.

Compact enough to be transported behind a pick-up truck, the Asphalt Zipper reduces thousands of square feet of asphalt into reusable millings, comparable to much larger and more expensive full size mills, at a fraction of the cost.

“The Asphalt Zipper’s brutal power condenses one-to-two day projects into as little as one-to-two hours. Full-depth reclamation is now affordable and easily accessible providing cities with longer lasting repairs. It may sound cliché, but the Asphalt Zipper really is “the most powerful milling attachment on earth,” says Bill Smythe, President of Smythe & Associates in Kirkland, Washington. Smythe, who’s been involved in the construction industry for over 30 years, also says “The Asphalt Zipper is easily transported on its own trailer and the Zipper’s Zip-n-Go™ easy-connect system attaches to most backhoe or loader buckets, so you’re off the trailer and into the cut in minutes.”

Once into the cut, the Zipper saves thousands of dollars in reduced labor, time and equipment costs. “Take for example,” says Smythe, “a typical small street repair job with 3,000 sq ft of 6” thick asphalt to reclaim and recycle. Traditionally it’s too small to justify using a full size mill, so you saw cut around the affected area at $1 to $2 per foot, then you’ve got to chunk up the asphalt with a backhoe or hydraulic excavator, then you have to haul the asphalt away, with pretty significant dumping fees. Throw in flag people to maintain traffic, and the time required can be as much as 3-5 days costing up to $3,000-5,000. The Asphalt Zipper can do it all in about one hour, for approximately $250.”

Frank Shea, Street Superintendent for Town of Wilbraham, Massachusetts adds, “The savings are enormous because the Zipper also grinds the pavement into one-inch minus reusable material. We don’t have to excavate and truck all the blacktop, which is considered a hazardous waste. We’re limited as to where we can dump it, and this machine eliminates the need to find a place and pay dumping fees.”

The Zipper’s other benefits include its size, which allows for flexibility on large and small jobs. The Zipper also leaves a scarified edge for better adhesion to new material. With minimal maintenance requirements, customers like Carl Flowers, Superintendent of Public Works for City of Martinez, California says the Zipper’s been very reliable, aside from annual maintenance, the Zipper hasn’t required any repairs”. What’s more, at an operating cost of as little as 10 cents per square foot, the Asphalt Zipper is an efficient money-maker, often paying for itself within 30-50 running hours.

Dan Shaw, owner of Shaw Equipment, in California, says he saw an immediate return on his dollar. “It paid for itself on the very first job. Extremely good machine, we love it. I wouldn’t ever want to be without it.”

Smythe sums the Zipper’s impact on asphalt reclaiming and recycling by drawing an analogy, “You can cut down a forest with an ax, or you can use a chain saw. In my experience contractors want the powerful solution.”
“You don’t put lipstick on a pig!” said Terry Garrett, Brownwood’s street superintendent.

When asked to compare full depth recycling or reclamation (FDR) to the surface treatments he previously used on his streets, Garrett made the following analogy: “Surface treatments versus FDR is like putting lipstick on a pig. You can doll it up all you want, but you still have a pig!”

Like most cities and counties, the city of Brownwood lacked the equipment and resources necessary to completely re-engineer their streets; consequently, Garrett had to address his street problems by applying surface treatments. This meant applying underseal and sealcoat and then about a 2-inch layer of asphalt over the existing road surface.

Many of Garrett’s streets are 50 years old or more with crumbling asphalt over little or no base, so he knew his surface treatments would not last. Complete reconstruction – tearing up the asphalt, removing what base was there, and starting over by bringing in new base and asphalt – was out of the question. It was just too expensive.

Garrett attended a trade show two years ago and soon found the solution to his problems: a portable asphalt recycling machine that attached to the bucket of a loader. The manufacturer claimed this machine could do the same job as machines costing several hundred thousand dollars more. He was told it could recycle 48 inches wide and up to 12 inches deep in one pass, and it was affordable. Garrett decided to host a demonstration of this machine in Brownwood and discovered it was everything they claimed it was, and more. It wasn’t long before the Asphalt Zipper® AZ 480 HD was sitting in his equipment yard.

With the means now in his hands, Garrett began transforming Brownwood’s crumbling streets into smooth, modern avenues. This was accomplished by recycling the old asphalt, whatever base still existed, and a mixture of Portland cement and lime to create a new stabilized base material.

“To fix a street right, you have to start below and work your way to the top,” said Garrett. And by doing so for the last two years, he has saved the city literally tens of thousands of dollars and has reconstructed more than five miles of streets.

Garrett uses a product called Cem-Lime, a 40 percent lime and 60 percent Portland cement mixture. This mixture adds the additional strength and waterproofing needed to create a long-lasting road base and addresses the differing soil conditions that exist in Brownwood. Calculations demonstrated a need for a 3 percent to 4 percent per dry aggregate weight of the Cem-Lime to pulverize into 6 inches to 8 inches of the existing asphalt, base and native soil, and 27 pounds of Cem-Lime per square yard or about 3/4 inch spread evenly over the surface of the road.

The mixture was applied by the manufacturer of Cem-Lime using a bulk spreader tanker. The road was then pulverized to the depth of 6 inches to 8 inches with the Asphalt Zipper® portable recycling machine. Terry said this process on a typical 600 foot by 30 foot city street only takes about 2.5 to 3 hours.

Water was applied next with a water truck, and a grader mixed it all together. The street was brought up to grade and compacted. Pulverizing, mixing, grading and compacting were usually completed in one day, allowing the residents full use of the streets each evening.

The street was then left to cure for a couple of days. A sealcoat was then applied as the wearing surface. With only an occasional sealcoat treatment, the street should be solid and smooth for 10 or more years.

The best part of the new system is the cost. Garrett calculated that with the FDR process, Cem-Lime, and the sealcoat, he can stabilize and reconstruct his streets for only $2.68 per square yard. Garrett determined that using today’s asphalt prices, his old surface treatments would have cost $5.18 per square yard, and in the end he would still “have the pig.”★
**Award-Winning Technology**

“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

“I was an advocate of this machine for three years even before we bought it. Everything about it has been very positive; we only have good things to say. Once you use it you’ll never go back.”

Harry Wolf - Brighton Township, PA

“If you have something you can do in an hour and a half or two hours versus two or three days, it don’t take a rocket scientist to figure this out. It’s a piece of equipment we use daily. 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 - Lafayette Co. MS

“The Zipper has proved to be the shining star of the operation. It has had zero impact on the environment. I’ve been in construction for over 17 years. The Asphalt Zipper is the first product that has proved to accomplish everything that it said it could.”

J.J. DeCorby - Superintendent, Surerus Pipeline, B.C.

“We can do a mile a day and don’t even break a sweat. We did in 2 weeks with the Zipper what would have taken us 6-8 weeks doing a dig-out. I don’t know how we ever lived without it.”

Stephen Stangland - Road Superintendent, Lake Co, CA

“The thing that helped us out the very most is the Asphalt Zipper. With reclamation I can grind that road and put a base down that will hold up for years to come. Reclamation is the word when it comes to base building. With the Zipper we can grind our roads when we want to and put a base down that will last for years.”

Jesse Cox - Street Superintendent, Drumright, OK

**Call For More Information or for a Free Demonstration**

Freeway FDR Ltd
City Court, 161 Hospital Street, Birmingham, West Midlands, B19 3XA
Tel: +44(0)121 359 3272
Email: office@freewayfdr.co.uk
Web: www.freewayfdr.co.uk

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**The Solution**

Affordable

World Leader in Portable Reclamation

To Road Repairs
And Utility Trenching

Asphalt Zipper

World Leader in Portable Reclamation
Introducing **The Affordable Solution!**

The Power and Productivity of Larger, More Expensive Machines in a Portable, Yet Affordable Attachment

“When you see the final product you’ll see that the Zipper will do everything the bigger machines will do. We can do a half-mile of road in 5 hours and it’s an easy operation.”

Charlie Tewalt, Operations Manager, Mt. Vernon, WA

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For details on each model visit our new website at [www.asphaltzipper.com/products](http://www.asphaltzipper.com/products)
**Large Heavy Duty Model for Large Loaders**

- 6 Foot (1830 mm) wide cutter head
- Cuts up to 12" (304 mm) deep
- Pulverizes over 6,000* sq.ft./hr (557 m²/hr)
- 203 hp Cummins turbo diesel engine

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**AZ-600B**

**AZ-500B**

- 48" (1219 mm) wide cutter head
- Cuts up to 12" (304 mm) deep
  - Pulverizes over 4,800* sq.ft./hr (446 m²/hr)
  - 203 hp turbo diesel engine
  - Heavy duty for large loaders

**AZ-400B**

- 36" (914 mm) wide cutterhead
- Cuts up to 12" (304 mm) deep
- Pulverizes over 8,000* sq.ft./hr (892 m²/hr)
- 140 hp turbo diesel engine
- Heavy duty for large loaders

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*Based on average asphalt thickness up to 1½" thick. Actual results may vary depending on asphalt hardness, temperature, oil content, age, desired grind, etc.

For details on each model visit our new website at www.asphaltzipper.com/products
Q. How Long Does It Take You to Open 300 Feet (91 m) of Trench in Asphalt?

Utility Trenches

$100
$500
$1000
$1500
$2000

*Actual costs and times may vary by area.*

Sample Job Comparison

Traditional Method

1-Day
+/- $1500*

in only 20 Minutes

for just $150

• Dump
• Haul
• Load
• Strip
• Saw Cut

ASPHALT ZIPPER® METHOD

ASPHALT ZIPPER® METHOD

300 Foot Trench, 30” Wide, 6” Deep

Asphalt

Sample Comparison Between The Old Way of Saw-Cutting, Digging, Loading, Hauling and Dumping Versus the Speed of the Asphalt Zipper®

For details on each model visit our new website at www.asphaltzipper.com/products

The AZ-300B is the Ultimate Trenching Machine!

AZ-300B

• 30” (762 mm) wide cutter head
• Cuts up to 10” (254 mm) deep
• Pulverizes over 2,400* sq.ft./hr (232 m²/hr)
• 99 hp turbo diesel engine
• Engineered to fit most backhoes

If you are a contractor you probably have a backhoe. That means the AZ-300B will fit on your bucket! Once mounted on your bucket, your backhoe transforms into a powerful trench-opening machine capable of opening over 800* linear feet (243 m) of asphalt per hour! No more saw-cutting necessary! Its speed and power will save hours on every job. This means more profit for you!

*Based on average asphalt thickness up to 3.5” thick. Actual results may vary depending on asphalt hardness, temperature, oil content, age, desired grind, etc.

For details on each model visit our new website at www.asphaltzipper.com/products
**How it Works**

**FULL-DEPTH RECLAMATION**

“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; further stabilization may be obtained through the use of available additives.”

ARRA - Asphalt Recycling and Reclaiming Association

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**The Zipped Material**

The Asphalt Zipper® pulverizes asphalt into reusable material that grades smoothly and packs tightly. Roadbase reconstructed using this method provides a solid foundation for a new asphalt wear course. In addition it costs over 70% less and will last years longer than simple mill and fill and overlay methods.

---

**The Zipper’s Scarified Interlocking Edge**

The Asphalt Zipper® machine leaves a scarified edge instead of a smooth edge which actually enhances bonding with new asphalt. This potential failure plane is no longer a problem.

University research has shown the interlocking grooves bind over 25% stronger to the new asphalt than the saw-cut edge providing a longer-lasting, more waterproof patch that is less prone to slip or settle in the future.

---

**Here’s How The Interlocking Edge Works**

**NEW ASPHALT**

**NEW ASPHALT**

**OLD ASPHALT**

**SAW-CUT EDGE**
**Full Roads**

Q. Can You Rebuild Over .5 Mile (.8 km) of Road in a **FEW HOURS** or Does It Still Take You a **FEW DAYS**!

“There’s nothing out there like the Zipper for the money that will save you as much time and dollars. What used to take 3 to 4 days we can do in less than a day and get a better product.”

Fred Nardini, County Commissioner, San Patricio County, TX

**Gravel Roads**

Q. Are Your Gravel Roads Smooth and Hard? Can You Rejuvenate 1.5 Miles (2.4 km) of Gravel Road Per Day?

“We also use it on our gravel roads. We grind it up, add a good commercial aggregate with a lot of fines, mix it with a lot of water, compact it all together, and it’s just like you put down a new road. It’s as hard as a rock. We can do up to a mile and a half in one day!”

Edgar Laney, County Commissioner, Palo Pinto County #2, TX

**Utility Trenches**

Q. How Long Does It Take You to Open 300 Feet (91 m) of Trench in Asphalt?

“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 15-20 minutes what used to take all day.”

Johnny Bean, Utility Superintendent, Blacksburg, VA

Sample Comparison Between The Old Way of Saw-Cutting, Digging, Loading, Hauling and Dumping Versus the Speed of the Asphalt Zipper®

<table>
<thead>
<tr>
<th>Traditional Method</th>
<th>1-Day</th>
<th>$1500*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dump</td>
<td></td>
<td>$1500</td>
</tr>
<tr>
<td>Haul</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Load</td>
<td></td>
<td>$1000</td>
</tr>
<tr>
<td>Strip</td>
<td></td>
<td>$500</td>
</tr>
<tr>
<td>Saw Cut</td>
<td></td>
<td>$100</td>
</tr>
</tbody>
</table>

300 Foot Trench, 30” Wide, 6” Deep Asphalt

The AZ-300B Model for Backhoes Only!

If you are a contractor you probably have a backhoe. That means the AZ-300B will fit on your bucket! Once mounted on your bucket, your backhoe transforms into a powerful trench-opening machine capable of opening over 800* linear feet (243 m) of asphalt per hour! No more saw-cutting necessary! Its speed and power will save hours on every job. This means more profit for you!

*Actual costs and times may vary by area.
Shoulders

Q. Bad Shoulders Account for 1000’s of Accidents Each Year. How Are You Repairing Your Shoulders?

“Asphalt Zipper® is an affordable way to repair shoulders and works better than any alternative we’ve tried. Projects that would have taken several days, we are finishing up in a few hours.”

Richie Beyer P.E., Elmore County, AL

Potholes & Patching

Q. How Many Patches Can Your Crew Do in a Day Using Traditional Methods?

“Where we used to be able to do two a day when we did the dig outs; now we can do 10 to 15 with the Zipper. It makes a big difference.”

Russ Harvey, Operations Manager, San Juan County, WA

Other Applications

Parking Lots

Bridge Decks and more......

Portability

“Another very nice aspect of the Zipper is that you can pull it around with a three quarter ton pick-up truck, you don’t need a semi or low boy. The public has really noticed how much more work we’re accomplishing in a shorter amount of time.”

Oscar Quiroz, City of Tucson, AZ

VERSAMOUNT™ Bucket Mounting System

Asphalt Zipper’s® exclusive patented Versa-Mount™ attachment system works with almost all loader and backhoe buckets. Simply slip the bucket into the bucket slot and activate the hydraulic clamps for a snug fit and you’re ready to work. When finished, you simply place the Zipper back on the trailer and release the clamps. Now you have the use of your loader again. With Versa-Mount™ you don’t have to dedicate one loader to the Asphalt Zipper®.
Additives

Stabilizing with Additives

Base stabilization with additives such as Portland cement, lime, fly ash, enzymes, gravel or emulsions is easily achieved with Asphalt Zipper® attachments. Whether from a bag, spreader, truck or tanker, simply spread desired additive over area to be repaired, then pulvermix with an Asphalt Zipper® attachment. Water can be applied at the same time through the on-board spray bar.

Portable Water System Attachments

Water extends bit life and aids in compaction, but it is not always available when and where you need it. Now you can take water with you with this new portable water system! Available now for both loaders and backhoes. Choose from 150 gallons or 300 gallons. Includes pump, hose, and electrical.

Wireless Remote

The wireless remote control allows the groundsman to adjust the engine speed and depth of cut while standing 30 to 50 feet away. The rugged transmitter is dust and water proof and designed to withstand shocks and rough handling.

The wireless remote control system is compatible with all Asphalt Zipper hatch models.

Containment System

“The Grind Box”--

The Perfect Solution to Pulverize Alligatored or Thin Asphalt

The Containment System or “Grind Box” solves the chunk problem by not allowing oversized chunks to escape the teeth of the machine until they are sufficiently ground up. (Patent Pending)

Others may claim they get similar material without a grind box. They can’t. Ask us for a free demonstration on your roads and see for yourself!
Oils costs, labour costs, fuel costs – there are a lot of variables that can make the difference between making budget and missing it when it comes to repairing road surfaces.

Across Canada there are roadways that are cracked and broken. Often, the only way to deal with these roads is to pull up the fractured and worn asphalt and dispose of it, laying new asphalt in its place. This results in added costs for new aggregate and labour, increased fuel use, and plenty of time.

To get around some of these issues, the concept of full depth reclamation has started to become a more popular alternative for road managers.

Incorporating the worn portion of the asphalt into a certain amount of the road base, generally mixing with strengthening additives and then compacting that down to provide a new, strengthened and stabilized base for a new road surface, is a more cost-effective and environmentally friendly way to refresh roadways.

While in the past that has required a large milling machine and substantial manpower to accomplish, a small, portable tool is drawing interest from roads departments looking for ways to improve their efficiency and costs in-house.

For Ken Gagnon, public works manager in the rural Ontario township of Guelph/Eramosa, a combination of increased costs and lots of weary road surfaces led to the desire for hands-on full depth reclamation work.

“We have quite a few kilometres of road where the base is still in good shape, but the surface has gone south on us,” Gagnon related. “With money getting tight, I’m finding cheaper ways to resurface my... roads. If I can do the pulverizing and shaping in-house, then just contract out the asphalt, there’s a considerable cost savings.”

Guelph/Eramosa had used other methods for dealing with its road problems in the past, from bringing in big milling machines and repaving afterwards to a grader and scarifier method, where the surface would be scarified, asphalt placed and smoothed with the grader, and a compactor would finish the job. That,