

# Pothole Prevention

**Protect your roads and your wallet from potholes - rout & seal today!**



**NO POTHOLES**

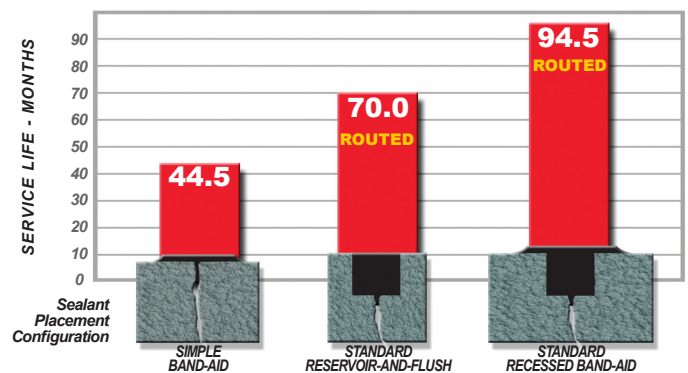
*Routing and crack sealing extends pavement life and is the most cost-effective preservation treatment for flexible pavements.*

#### **Extend Pavement Life by 7 Years!<sup>1</sup>**

Long and short-term studies have proven that using a Crafco router and Crafco high-performance sealant extends pavement service over 7 years.

<sup>1</sup>Crack Treatment Experiment and subsequent FHWA Long-Term Monitoring project represented the most comprehensive pavement surface study ever conducted.

Cracks routed and sealed achieve more than twice the service life vs. non-routed and sealed cracks



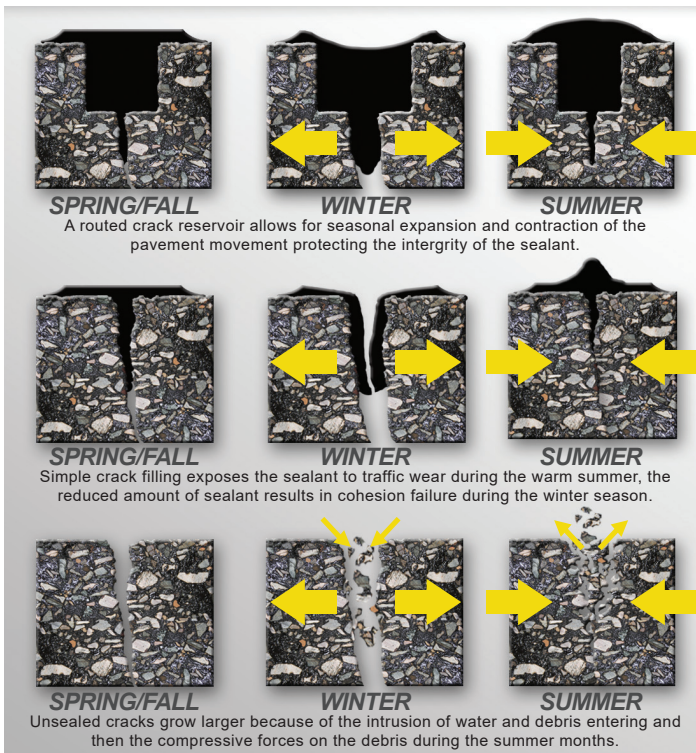
The additional sealant volume in the routed reservoir allows the sealant to expand and contract effectively while protecting the integrity of the sealant.

**CRAFCO**<sup>®</sup> INC  
PRESERVATION PRODUCTS PAVEMENT

Delivering Confidence Through Innovation, Quality and Value Since 1976

# Protect Your Roads From Potholes - Proven to Last Over 7 Years

A routed crack reservoir enables the crack to remain sealed as the pavement expands and contracts.



A crack that is routed provides clean edges and the appropriated depth to apply the right amount of sealant which provides for protection year after year. (7+ years extension)

A crack that is not routed lacks the clean edges and the appropriated depth recommended for applying sealant that would provide year after year. (3+ years extension)

A crack that is not treated will deteriorate when the temperature changes. As the crack expands and contracts, water and debris infiltrates the crack, contaminating the sub-base and causing potholes. (Zero life extension)

A 10 degree change on a 50' asphalt slab could move up to .21 inches (5.4mm), large enough for water, impurities and incompressible debris to enter.

## Width of cracks to rout and treat:

1/8" (3mm) to ≤ 1/2" (12mm)	Rout & Treat
> 1/2" (12mm) to 1.5" (38mm)	Evaluate to determine if routing is appropriate
> 1 1/2" (38mm)	Cleaned and treated with PolyPatch or Mastic One

## What cracks need routing and sealing?

<b>YES</b>	Longitudinal cracks (center line, mid lane, wheel track, meandering cracks)
<b>YES</b>	Transverse cracks
<b>YES</b>	Edge Cracks
<b>NO</b>	Alligator Cracks
<b>NO</b>	Severe in density so routing and sealing are ineffective in delaying further deterioration
<b>NO</b>	If pavement is scheduled for rehabilitation within the next year

## Routing Size Recommendations (US)

Climate	LTPP Bind Pavement Temperature Difference	Reservoir Width (max)	Reservoir Depth (max)	Recommended Sealant Configuration
Very Cold	≥208°F (98°C)	1 1/2" (38mm)	1/2" (12mm)	Shallow Recessed Band-Aid
Cold	≤198°F (92°C)	1 1/8" (28mm)	1/2" (12mm)	
Moderate	≤187°F (86°C)	3/4" (19mm)	3/4" (19mm)	Standard Recessed Band-Aid
Hot & Coastal	≤176°F (80°C)	1/2" (12mm)	3/4" (19mm)	



## Why Choose A Crafcro Router?



- **Confidence** - With over 40 years in pavement preservation, Crafcro understands sealing pavements and has applied that knowledge and expertise to become the only company to manufacture both high quality sealants and the equipment to apply them.
- **Innovation** - Crafcro routers have the most innovative and comprehensive features for your business
- **Quality** - Crafcro routers are the highest quality
- **Value** - Crafcro pavement preservation products have proven through long- and short-term independent studies, to extend the service life of pavement, and can help extend the life of pavement surface treatments. This results in substantial cost savings for our customers.

## More options and features than any other router available



Ergonomic Handle Design



Dual Stage Air Filter



Carbide Skid Plate

Standard Feature	Benefit
All welded chassis manufactured from 1/4" steel plate	Built-to-last construction that reduces vibration and operator fatigue
27 HP Kohler V-twin Gas-Powered Engine	Provides the power to achieve the effective level of RPMs for a smooth cut without bucking
Production is estimated at 1000-2000 feet per hour	Most efficient crack routing machine available, and significantly more productive than using a saw
Ergonomic handle that is also adjustable for the height of the operator	Better crack depth control and handling, and less physical stress on worker
Unique Center-Of-Balance, lightweight mobile design, cutter head alignment and a crack tracking guide	Easier, smoother, stable and safe operation that delivers unsurpassed crack following accuracy
Routing is completed by six patented carbide tipped router blades cutting up to 2" wide	This configuration along with the highest levels of RPMs provides maximum crack outting performance with no bucking
Electric Operated Clutch	Stops and starts the cutter-head on demand thus supporting worker safety
Electric Cutter Depth Control	Provides precision cutter depth at a push of a finger
Depth Indicator Plate	Provides you with the depth of the routed cut
Carbide Skid Plate	Increases crack tracking accuracy, smoother and easier to operate for the worker, and a longer life compared to earlier models
Dual Stage Air Cleaner	Protects engine from premature internal engine wear caused by dust
Air Indicator	Alerts operator when filter maintenance is needed
Belt System	The belt and guard are designed to limit the debris that could get trapped in the system and reduce router life
Electric start, 12v battery and charging system	Convenience
Gas Tank Guard	Helps prevent tank puncture during loading and operation
Premium wheel assemblies with sealed tapered roller bearings on 1 1/4" axles	Greater durability and ease of operation
Stabilizer Foot	Makes it easier and safer to stand while changing cutters on the cutter-head

## Factors to consider when selecting the type of router for purchase

	STANDARD	DUST CONTROL	SELF-PROPELLED	SELF-PROPELLED w/ DUST CONTROL
Do the roads have any incline/decline?			•	•
Will you be pushing/pulling the router onto a trailer or into a vehicle to move from job to job?			•	•
Will a worker spend 1-2 hours routing in a day?			•	•
Are you concerned about worker safety, and the amount of physical labor/stress associated with pavement maintenance?			•	•
Do you want a cleaner working environment?		•		•
Does your area have Air Pollution/Dust Control EPA Visible Emissions Standards?		•		•
Do you want to extend the life of your router engine and air filters?		•		•
Do you want to save time and money cleaning up the asphalt debris trail?		•		•
Do you want to improve worker safety by exposing them to less dust and flying debris?		•		•
Do you want to improve worker safety by increasing their visibility and line of sight?		•		•

## Selecting the right router



**Model 30 Standard Pavement Router:**

- 19 Standard features deliver the most effective and productive router available
- Unmatched crack-following accuracy
- Design minimizes bucking



**Model 30 Self-Propelled Router:**

- Reduces worker fatigue by moving the router from one distressed pavement area to another, and it works especially well on roads with inclines and hills
- Reduces physical strain associated with loading and unloading the router onto a trailer during transport



**Model 30 Dust Control Pavement Router:**

- Provides a cleaner working environment
- Reduces dust by 96% vs. the standard model by emitting only 1.25% average dust opacity
- Meets EPA Visible Emissions Standards<sup>1</sup>
- Improves worker safety due to less dust, flying debris, and clear line-of-sight
- Contains the debris path for easier clean-up, saving time and money
- Extends the life of the air filter and engine



**Model 30 Self-Propelled Pavement Router w/ Dust Control:**

- All available router features on one machine for the most innovative, high-quality router available