



PERMA-PATCH®

**PERMANENT PAVEMENT
REPAIR**

COST SAVINGS CALCULATOR

Pothole Cost Savings Calculator - Summary Page

Usage of Perma-Patch can drive significant cost savings in municipal and DOT road repair.



Repair Method	Per SHRP Test*		Starting number of potholes:				10,000
	18 Month Failure Rate	4.5 Year Failure Rate	Total Pothole Repairs in 4.5 yrs.	Total Material	Total Labor & Truck	Total Cost 4.5 Years	
Perma-Patch	18	22	14,886	\$ 217,092	\$ 347,347	\$ 564,440	
Bulk "Premium" Cold Patch	26	32	16,548	\$ 101,125	\$ 851,028	\$ 952,153	\$ 387,713
Bulk "Local" Cold Patch	52	65	20,194	\$ 103,940	\$ 1,038,553	\$ 1,142,493	\$ 578,053
Bagged Cold Patch Products	52	65	20,194	\$ 336,568	\$ 514,031	\$ 850,599	\$ 286,159
Water Activated**	18	22	14,886	\$ 792,648	\$ 416,817	\$ 1,209,465	\$ 645,026

* SHRP = Strategic Highway Research Project SHRP-H-358, National Research Council.

** Performance set as equal to Perma Patch if not in SHRP test. User reported failure of water-activated materials has been higher than Perma-Patch.

MAKE INPUTS ON 2ND WORKSHEET

Application Method	Total Truck per Day	Labor and Truck \$ per Pothole
Bagged w/ Pickup Truck	\$ 280	\$ 23.33
Bulk w/ Large Truck + Flaggers	\$ 800	\$ 51.43
Water Activated w/ Pickup Truck	\$ 280	\$ 28.00
Bagged Cold Patch Product w/ Pickup	\$ 280	\$ 25.45

Additional Benefits of Using Perma-Patch:

- Simple application by light/solitary crew.
- Less repairs = less exposure to traffic and other hazards for your crews.
- DELIVERED TO YOU.
- Keep on hand w/ 2 Year Shelf Life GUARANTEED AND DATE STAMPED.
- Always ready to go for emergency or one-off repairs.
- Easy, Fast Application - "Comes right out of the bag."
- Consistent high quality product - always the same.
- Little to no preparation - no edge cutting required.
- Displaces water: Can be dropped into water-filled potholes.

Pothole Cost Savings Calculator – Calculator Details

Usage of Perma-Patch can drive significant cost savings in municipal and DOT road repair.



Perma-Patch Cost Savings Calculator

This sheet can be used to calculate estimate cost savings. It relies on external inputs, using test data for various materials. Use for estimation purposes only. Perma-Patch makes no warranty or guaranty or actual cost savings.

Starting number of potholes: **User Inputs**

Repair Method	Unit Price	Per	Percent Useable **	Cost/ton	Material Cost per Pothole	Labor Cost Per Pothole	Per SHRP Test*		Starting # of Potholes	Replace at 18 Months	Replace at 36 Months	Replace at 54 Months (4.5 yrs)	Total Pothole Repairs in 4.5 yrs.	Total Material	Total Labor & Truck	Total Cost 4.5 Years	Wasted Dollars vs. Perma-Patch
							18 Month Failure Rate	4.5 Year Failure Rate									
Perma-Patch	\$ 17.50	60 Lb. Bag	100	\$ 583	\$ 14.58	\$ 23	18	22	10000	1800	1476	1610	14886	\$ 217,092	\$ 347,347	\$ 564,440	
Bulk "Premium" Cold Patch	\$ 220.00	Ton	90	\$ 244	\$ 6.11	\$ 51	26	32	10000	2600	1924	2024	16548	\$ 101,125	\$ 851,028	\$ 952,153	\$ 387,713
Bulk "Local" Cold Patch	\$ 175.00	Ton	85	\$ 206	\$ 5.15	\$ 51	52	65	10000	5200	2496	2498	20194	\$ 103,940	\$ 1,038,553	\$ 1,142,493	\$ 578,053
Bagged Cold Patch Products	\$ 15.00	50 Lb. Bag	90	\$ 667	\$ 16.67	\$ 25	52	65	10000	5200	2496	2498	20194	\$ 336,568	\$ 514,031	\$ 850,599	\$ 286,159
Water Activated**	\$ 41.00	55 Lb. Bucket	70	\$ 2,130	\$ 53.25	\$ 28	18	22	10000	1800	1476	1610	14886	\$ 792,648	\$ 416,817	\$ 1,209,465	\$ 645,026

* SHRP = Strategic Highway Research Project SHRP-H-358, National Research Council. Performance set as equal to Perma Patch if not in SHRP test.
 ** Performance set as equal to Perma Patch if not in SHRP test. User reported failure of water-activated materials has been higher than Perma-Patch.
 *** Adjusts for typical wastage rate. Calculation for all products assumes 40 potholes per usable ton of material.

Application Method	# Personnel	Hours	Labor Rate	Potholes per Day	Truck Rate per Hour	Total Labor per Day	Total Truck per Day	Labor and Truck \$ per Pothole
Bagged w/ Pickup Truck	2	8	\$ 70	60	\$ 35	\$ 1,120	\$ 280	\$ 23.33
Bulk w/ Large Truck + Flaggers	5	8	\$ 70	70	\$ 100	\$ 2,800	\$ 800	\$ 51.43
Water Activated w/ Pickup Truck	2	8	\$ 70	50	\$ 35	\$ 1,120	\$ 280	\$ 28.00
Bagged Cold Patch Product w/ Pickup	2	8	\$ 70	55	\$ 35	\$ 1,120	\$ 280	\$ 25.45

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- Simple application by light/solitary crew.
- Less repairs = less exposure to traffic and other hazards for your crews.
- DELIVERED TO YOU.
- Keep on hand w/ 2 Year Shelf Life GUARANTEED AND DATE STAMPED.
- Always ready to go for emergency or one-off repairs.
- Easy, Fast Application - "Comes right out of the bag."
- Consistent high quality product - always the same.
- Little to no preparation - no edge cutting required.
- Displaces water: Can be dropped into water-filled potholes.
- Works in cold conditions down to 0° F (-18° C) and below