

Streets Division

ASPHALT REPAIR AND VENDOR INFORMATION

> KYLE MCGEE MARCH 9, 2020

HOW TO MAKE A POTHOLE

Main Ingredients CRACKS WATER COLD TRAFFIC REPEAT











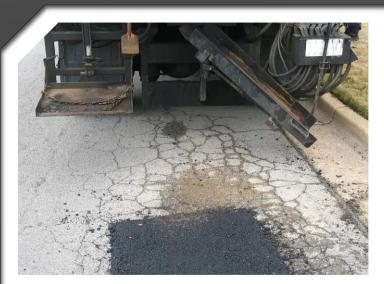
HEAVY RAINFALL LEADS TO MORE POTHOLES

Rainfall Comparison	CY 2017	CY2018	Increase
September- December	12.07"	24.54"	103%
Annual Rainfall	50.99"	66.43"	30%

45% Increase in potholes for the month of December can be attributed to increased precipitation.

December Pothole Comparison	#pothole repaired
December 2017	141
December 2018	205
% Increase	45%

January 2020 – Present = 24" Historical Average Jan 3.86" Feb 4.45" 188% Increase





POTHOLE REPAIR

Two Methods of Repair

- 1. Permanent Repair
 - Hot asphalt with tack
- 2. Temporary Repair
 - Cold patch (less preferred but necessary)

Repairs are made using pothole truck (pic above) or manually using 7yd dump truck (pic below)



Temporary Vs. Permanent Repairs

Cold Patch (Temporary)

- Used in hazardous situations
- Damage causing potholes
- When temperatures are below average for an extended period
- During the rainy season
- Does not perform well during cold/rainy season. Hot mix is ideal but cannot be applied during cold/wet conditions.
- Also used as a temporary repairs during holidays, while hot mix is not made available due to vendor plant maintenance and or temperatures below 35 degree.

Hot Asphalt Mix (Permanent)

- Used to replace cold patch with a more permanent repair
- Used for large areas of asphalt maintenance
- During the instillation of driveway aprons
- Only available if the temperatures are above 35 degrees
- Secondary vendor will run for us if another big project is running and they already have the plant in operation

Asphalt Vendors:

Robinson Paving Company (Primary)

C.W. Matthews Contracting Company, Inc. (Secondary)

Being proactive:

- We asked for and received approval during the 2020 budget cycle for a Hot Box, Infrared Table, we are currently awaiting this purchase.
- During this budget cycle (2021) we have requested an additional asphalt truck as well as additional employees to man this equipment.
- This spring we will be dedicated to Crack Sealing to avoid further issues in smaller areas of concern. (must be 40 degree or warmer to apply)





Cold patch Vs. Hot Mix Asphalt

Washed out cold patch repair



Completed repair with Hot Mix repair



Temporary Cold Patch repair:

THIS IS A TEMPORARY PATCH THAT WILL NEED TO BE ADDRESSED WITH HOT ASPHALT MIX IN THE NEAR FUTURE.



Permanent Hot Mix Asphat repair:

IDEAL REPAIR WITH HOT MIXTURE/CUT AND CONDITIONS WITH A GOOD BASE.



Proactive crack sealing: Spring project 2020

Process:



Finished Product:



QUESTIONS



We do amazing.



