

DALRYMPLE



GRAVEL & CONTRACTING

Case Study: Cold Patch

Date: Tuesday March 17, 2015

Weather: 38°F, cloudy, overcast

Location: Elmira, NY

Introduction

The winter of 2014-2015 was exceptionally harsh for Upstate New York. For the City of Elmira, potholes were taking their toll on both the motorists and the road maintenance crews. The maintenance crews were looking for something better than the conventional cold mix they had been using, which never seemed to last long in the potholes. Dalrymple Gravel & Contracting had recently begun producing its cold patch in partnership with Unique Paving Materials (UPM). UPM supplies a specialized oil that, when mixed with Dalrymple Gravel's high quality stone, produces a cold patch that results in permanent pothole repairs. A demonstration was set up between Dalrymple Gravel & Contracting and the City of Elmira to see how the cold patch would hold up.



The Location



The location selected for the project was a utility cut at the intersection of Church and N. Main Streets, in the right hand turn lane near the curb. In high traffic right turn corners like this, cold mix survivability is usually short.

The Installation

Roughly 250 lbs. of cold patch was used for the project. Installation conditions were 38 degrees at 9AM. The required site preparation was minimal, the crew simply had to sweep out any loose dirt and debris, and get most of the water out of the pothole. As the crew used the cold patch, they commented on the superior workability and ease at which it could be installed. After just 30 minutes, the street corner was opened back up to traffic.



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The Results

After 1 week, the repair was holding together nicely, and the City decided to use Dalrymple Gravel cold patch in other potholes throughout the city. The true testament came roughly a year later, when the cold patch was still in the pothole and holding strong!



The repair 1 week later. (March 2015)



The repair 1 year later. (February 2016)

For more information on Dalrymple Gravel & Contracting's UPM Cold Patch, contact:

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