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### PATCHING QUANTITIES FOR POLYMERIC OVERLAY PROJECTS

*Reference: IDM 412-3.02 Bridge Deck Preservations Techniques and Considerations*

As the Department's preservation effort has grown and with an increase in available completed project data, we've noticed a trend in our Partial Depth Patching quantities on polymeric overlay projects.

Based on the available data, the Department has completed 99 polymeric bridge deck overlays in the last 3 years. Of those projects, 34 had no Partial Depth Patching completed in the field. In addition, the average ratio of actual patching completed in the field to plan quantity was only 25%.

In an attempt to remedy this issue, the Department recommends using 2% of deck area as the estimated quantity of Partial Depth Patching on polymeric overlays unless better information is available, such as percent delaminations based on deck chaining results. Although, one third of recent projects had no patching performed in the field, the Department recommends including a minimal amount of patching in every polymeric overlay project.