

with bridge decks rated as bad as or worse than the McIntyre Street Bridge prior to the deck rehabilitation.

Of the approximately 395 box girder bridges, currently none of these bridges have decks rated as bad as or worse than the McIntyre Street Bridge prior to the deck rehabilitation. The condition of the McIntyre bridge deck was not unique nor a direct result of leaving the formwork in place.

The primary cause for the deterioration of the McIntyre Street Bridge deck was the absence of a waterproofing membrane under the asphalt riding surface. The McIntyre Bridge was built in 1973 and the Department did not start its current standard practice of using waterproofing membranes until around 1980. The Department has found waterproofing membranes are indispensable to the longevity of bridge decks with asphalt riding surfaces. The McIntyre Street Bridge deck rehabilitation is a product of the Department's current planned preventative maintenance program to gradually, as funding allows, add waterproofing membranes to bridges built before 1980.

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