

Restoration Culvert Lining



» **FORCINE**

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Water bypassing

This deteriorating corrugated metal pipe (CMP) was located under a heavily travelled road. Failure of the metal allowed water to bypass the CMP, removing the soil support underneath and requiring rehabilitation.

Problem



Reinforced shotcrete

We built a new upstream cutoff wall and a new inlet and outlet headwall. We also reinforced and installed shotcrete to mid height of the CMP to provide a new wear surface and prevent further bypassing.

Solution

Results

Restored culvert

4 MONTHS TIME SAVED, SIGNIFICANT COST SAVINGS

The culvert was restored safely without the need for any traffic closures. The total project duration was just three weeks and approximately \$1.5 million in cost savings compared to full removal and replacement.

