

CASE STUDY



PROJECT DETAILS

Project Name:

Wisconsin State
Highway 114

Location:

Hilbert, WI

Property Owner:

Calumet County

General Contractor:

Calumet County
Hwy. Department

Product Manufacturer:

County Materials
Corporation

Key Products:

Precast End Walls

86-Year-Old Reinforced Concrete Pipe Reinstalled

Solutions: The service life of reinforced concrete pipe extended with the addition of two precast end walls

When Calumet County planned to raise the WIS114 culvert grade prior to repaving, project leaders learned they would be able to reinstall the existing 86-year-old reinforced concrete pipe with two new end walls.

While it is unique to uncover and reinstall the same construction materials for a project, RCP has an inherently long service life and reliable strength. The concrete pipe was well-preserved, maintaining its structural integrity through heavy rain events over the years. The Calumet County Highway Department determined the pipe could continue to be used with the installation of two new end walls. The department contacted County Materials to manufacture and deliver the two precast components that would extend the service life of the RCP.

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The project began by unearthing the existing concrete pipe. Crews exercised caution while removing the RCP, being careful not to disturb its end joints. Once above ground, the pipe was cleaned to look like new, and its joints were wrapped in filter fabric to prevent dirt from penetrating the drainage system. Once reinstalled, the end walls were set, concluding the two-day project.

The reuse of the existing RCP and installation of concrete structures saved the county substantial dollars. RCP is known for its prolonged service life compared to alternative materials, and the Calumet County culvert reinstallation demonstrated how RCP can exceed expectations.

To learn more about using County Materials' Reinforced Concrete Pipe for your next project, contact us at (800) 242-7733.



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