

SMARTDITCH REPLACES FAILED RIPRAP CHANNEL TO SOLVE WISCONSIN DOT OVERPASS DRAINAGE PROBLEM.

Problem

Riprap was originally specified for a steep drainage channel on a highway overpass to control stormwater runoff, and slope erosion.



Solution

The SmartDitch System. For this particular situation the 24" depth, trapezoidal-shaped channel with its ribbed design and ability to handle the flow capacity on this 3:1 slope, eliminated the problem.



Project Details

- SmartDitch was installed to eliminate a severe stormwater runoff situation, where flooding and erosion were undermining the road above, and the underpass below.
- An excellent flow control solution. The effected slope's pitch was approximately 3:1 (horizontal to vertical) on the longer ditch and 5:1 on the shorter ditch section.
- Installs quickly and cost- effectively. Only 107 feet of 24" SmartDitch was required to reline both ditches. The installation was performed by the Columbia County Highway Maintenance Crew, and took only two days to complete -- which included the removal of the failed rip rap and the excavation of both ditches.

SmartDitch is manufactured in the USA. It is a safe, economical, long-lasting, and environmentally sound irrigation channel lining solution. For more information on the SmartDitch and the MegaDitch HDPE Channel Lining Systems contact:



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