

Dane County Park – Pedestrian Crossing Alternatives

Background:

WisDOT will replace the existing Ice Age Trail at-grade crossing of WIS 19 within Indian Lake Park with a 96-inch diameter corrugated metal pipe with standard metal endwalls. The installation will also include a gravel path beneath WIS 19 to connect the pedestrian underpass with the north Stone Farmstead Ruin parking lot. To convert the at-grade crossing to a below-grade culvert, the roadway will be raised by eight feet to provide sufficient clearance. The cost associated with raising the profile (estimated \$135,000.00) will be covered by WisDOT and is included as 4(f) mitigation for the project impacts to the Park. In addition to the costs of raising the roadway, WisDOT will also install the 96-inch diameter corrugated metal pipe with standard metal endwalls (estimated at \$68,000.00). Any additional upgrades beyond this will be the responsibility of Dane County Park.

A State Municipal Financial Agreements (SMFA) between WisDOT and Dane County Park is required if an upgrade beyond the standard installation listed above is desired by Dane County.

- The type of culvert end wall treatments other than the standard metal endwall such as concrete or additional aesthetics
- Any changes in culvert type or dimensions such as a concrete box structure or wider opening

Standard Installation:

96-Inch Metal Culvert with Metal Endwalls



Total approximate cost = \$58,000 for the culvert & \$5,000/endwall = \$68,000.00

All costs covered by WisDOT. No additional installation costs from Dane County Parks

Upgrade Alternatives:

Alternative #1 – 96-Inch Metal Culvert with Concrete Endwalls

Total approximate cost = \$58,000 for the culvert & \$10,000/endwall = \$78,000.00

Additional cost above standard installation = **\$10,000.00** (Dane County Parks Responsibility)



Alternative #2 – 96-Inch Metal Culvert with Stamped & Stained Concrete Endwalls

Please note that additional options are shown below for the stain and stamp pattern

Total approximate cost = \$58,000 for the culvert & \$15,000/endwall = \$88,000.00

Additional cost above standard installation = **\$20,000.00** (Dane County Parks Responsibility)



Alternative #3 - 8' Tall x 8' Wide Concrete Box with Concrete Endwalls

Total approximate cost = \$86,000 for the precast box & \$11,000/endwall = \$108,000.00

Additional cost above standard installation = **\$40,000.00 (Dane County Parks Responsibility)**



Alternative #4 - 8' Tall x 8' Wide Concrete Box with Stamped & Stained Concrete Endwalls

Please note that additional options are shown below for the stain and stamp pattern Total approximate cost =

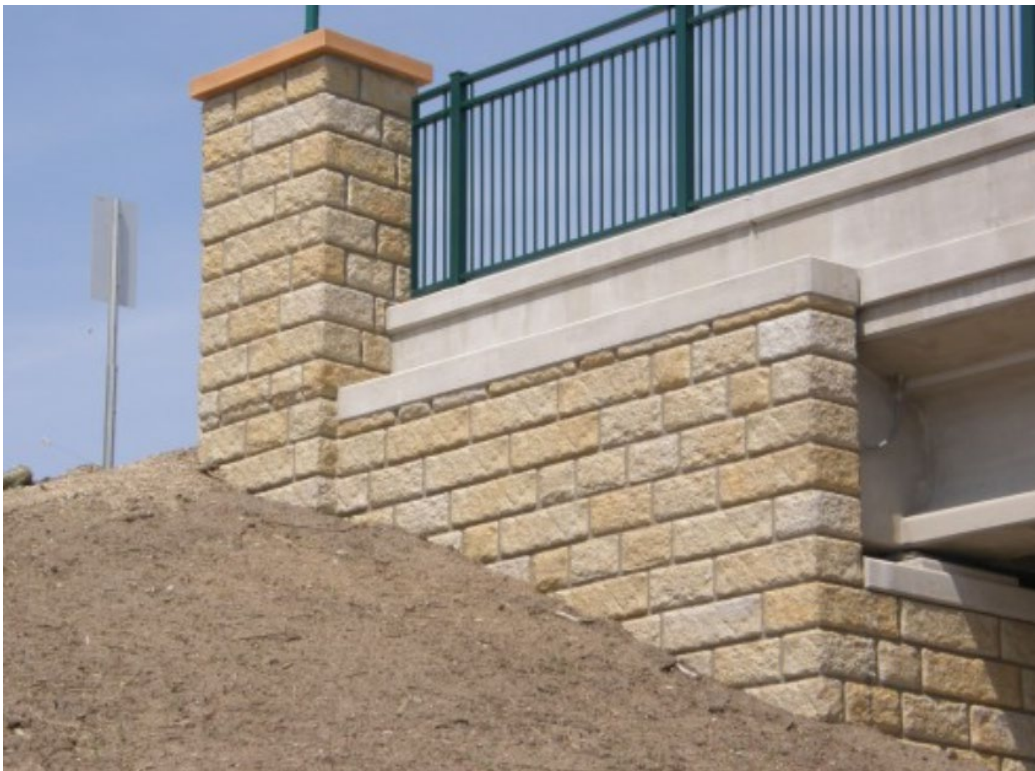
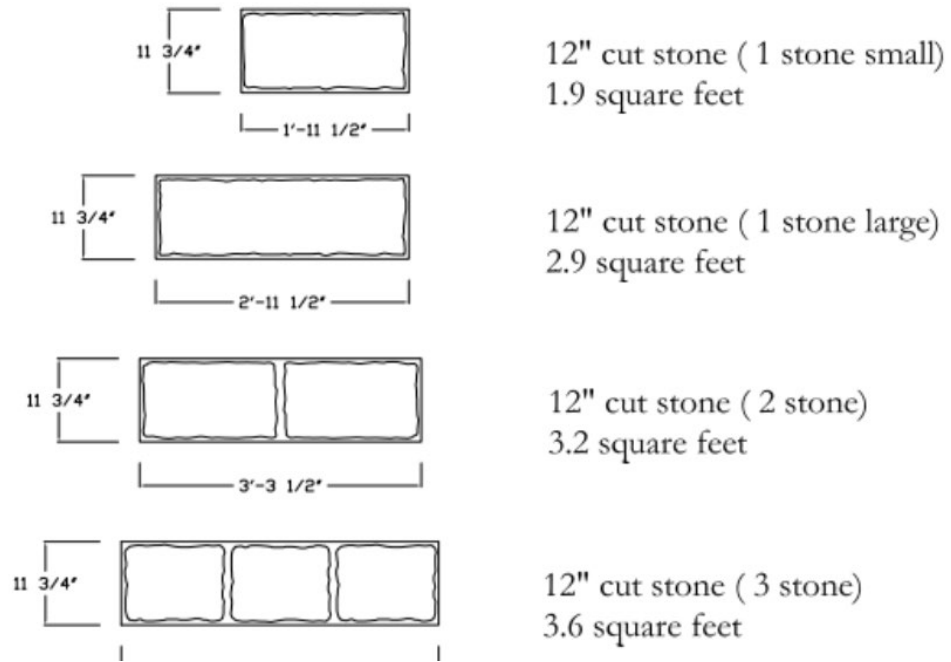
\$86,000 for the precast box & \$16,000/endwall = \$118,000.00

Additional cost above standard installation = **\$50,000.00 (Dane County Parks Responsibility)**

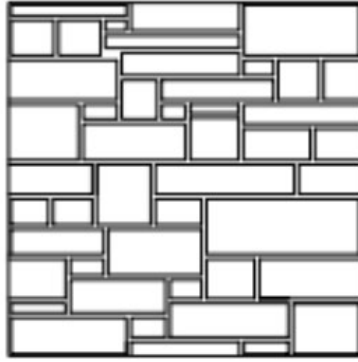


Staining and Stamping Options:

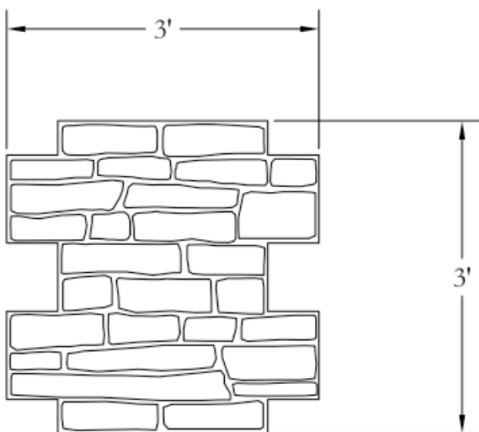
Pattern: 12" Running Bond (pattern used in above examples)



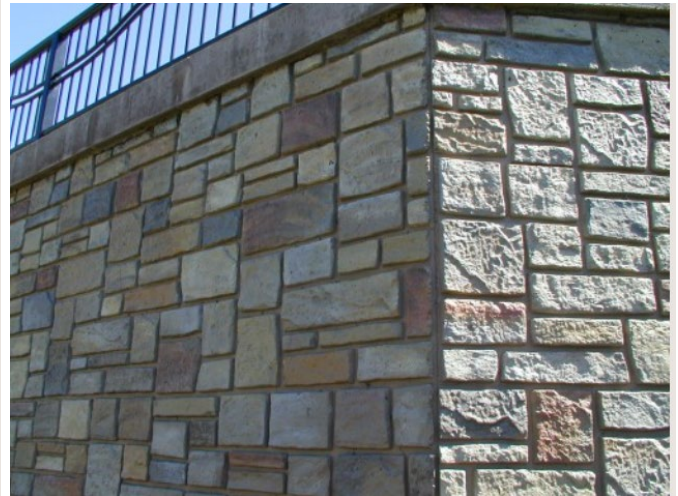
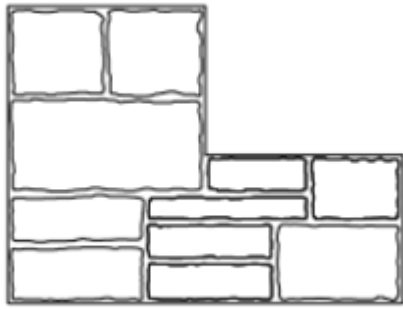
Pattern: Random Range



Pattern: Ledgestone



Pattern: Random Ashler



Pattern: Field Stone

