

INVITATION TO BID

Davison County is accepting bids for exterior building repairs at the Davison County Courthouse located at 200E 4th Ave. Mitchell SD. Scope of work includes Masonry cleaning, 100% Tuckpointing, Stone patching/replacement, sealant replacement of copings and wash joints also waterproofing. Specifications can be picked up at Auditor office at the Davison County Courthouse or on-line at [Davison County.org](http://DavisonCounty.org) or Contact Joel Rang Maintenance Director at 605-999-6538. Submitted bids must be received by Auditors office by 5pm November 18th 2024. Davison County reserves the right to accept or reject any and all bids.

1. **MASONRY CLEANING – SPOT CHEMICALS:** All masonry surfaces shall be washed with pressurized water at approximately 400 to 800 PSI. Where necessary to remove stubborn stains, a chemical cleaning agent shall be applied to the surface, allowed to dwell, and then rinsed in accordance with the manufacturer's specifications. The chemical cleaning agents shall be applied no more than two times to any masonry surface.
2. **SOLID CUTTING:** 100% of stone mortar joints shall be cut back to a depth of two and one-half times the width of the mortar joints, but in no case shall the mortar joint be cut less than ¾-inch in depth. Once the cutting is completed, all surfaces shall be cleaned of all loose and foreign debris utilizing compressed air and/or pressurized water in preparation for repointing of the mortar joints.
3. **SOLID POINTING:** 100% of mortar joints within the stone surfaces shall be pointed with Type " O " mortar. Prior to installing the new mortar, the masonry surfaces shall be thoroughly wet, with no standing water (saturated surface dry). New mortar shall be packed into the back of the joint, tooled to a neat, uniform appearance and shall match the original mortar in color as closely as possible.
4. **STONE REPLACEMENT:** A close inspection shall be made of all stone faces, and those found to be spalled or broken shall be cut out and replaced with new stone matching the original in size, color and texture as closely as possible. Stones shall be set in a fresh bed of mortar, colored and tooled to match the adjacent joints in appearance as closely as possible. This bid proposal includes replacement of 4 stones.
5. **STONE PATCHING WITH JAHN MATERIAL:** Areas of spalled, deteriorated or fractured stone shall be removed by square cutting the perimeter of the repair area and chipping away the unsound material to a sound surface. The void shall then be patched with Jahn M70 Restoration Mortar, carved and finished to match the original profile in appearance as closely as possible. The color shall be one of Jahn's standard colors, matching the adjacent surfaces as closely as possible. Patching material shall be applied in strict accordance with the manufacturer's specifications.
6. **SEALING OF HORIZONTAL WASH JOINTS:** All horizontal wash joints of the copings, water tables, windowsills and other ledges shall be cut back to a depth of approximately ½-inch, cleaned of all dust, dirt and loose debris. All joints shall have bond breaker tape or foam backer rod installed to prevent three-sided adhesion. The joints shall then be resealed utilizing a hybrid polyurethane sealant, Tremco Dymonic FC or equal. New sealant shall be tooled to a neat, uniform appearance and shall match the original material in color as closely as possible.
7. **SILOXANE WATER REPELLENT:** Upon completion of the previously outlined work, all exterior masonry surfaces shall be given **one (1)** application of Protectosil Chem-Trete D VOC, a transparent, penetrating, siloxane water repellent solution. This material shall be applied in strict accordance with the manufacturer's recommendations.