

# MARTIN COUNTY COURTHOUSE

## DOMES + ROOF REPAIR UPDATE



January 2022



### HISTORIC RENOVATION

Replacement of the copper eagle statues has been completed by restoration services provider Renaissance Roofing based in Rockford, Illinois. The copper eagles will be installed in the spring to once again adorn the dome of the historic Martin County Courthouse. The wing span of each statue is approximately six feet. Over forty molds were created to replicate the original copper eagle statues.

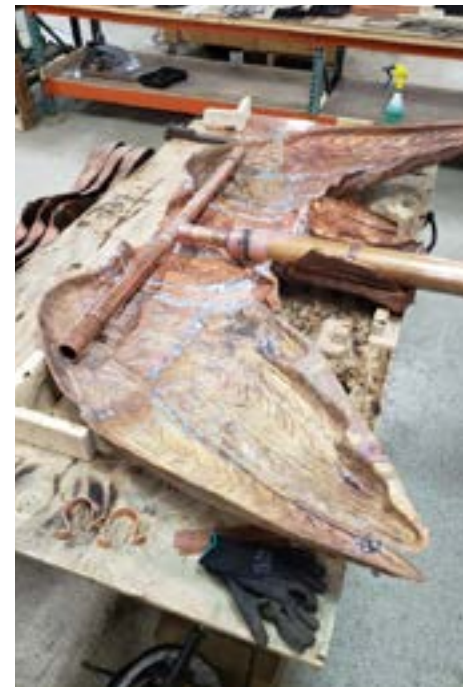
Roof replacement is now underway. Several challenges were unveiled when the concrete roof deck was discovered to be significantly degraded due to decades of freeze thaw cycles and moisture issues. Solutions include furring channels to fasten roof sheathing to and ultimately the new copper roofing.

#### NEXT STEPS

- Continue removal of asphalt roofing system
- Repair existing roofing elements including installation of furring channels
- Repair parapet walls
- Install eagle statues

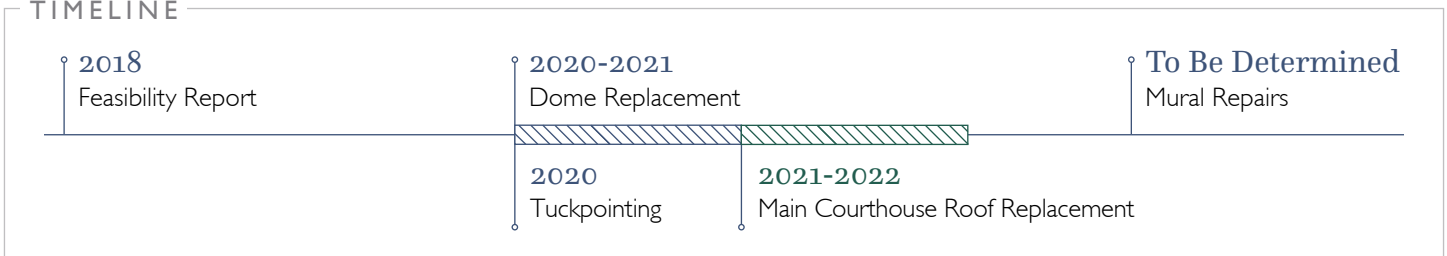


Eagles ready to be installed in Spring 2022.



Additional support was incorporated into the new eagles to prevent them from blowing off like two of the previous eagles did.

#### TIMELINE



## CONSTRUCTION UPDATE



### MAIN ROOF REPLACEMENT

The concrete roof deck was diminished to a crumbled gravel-like condition in some locations as a result of decades of freeze-thaw cycles. Solutions include reducing dependence on the concrete roof deck for support of the roofing by adding a furring system. Steel supports will be installed underneath the concrete roof deck for additional support.



### PARAPET WALLS

Parapet walls had some work that was expected to be performed. Further inspection of the parapets once the old roofing was removed revealed they were in very poor condition. Mortar used to layup the back up walls was reduced to almost sand. Solutions include installation of new block walls and stone anchors.

### GUTTER SYSTEM

The original gutter system was revealed during the removal of the old asphalt roofing material and will be once again utilized for roof drainage for the new roof system. Improved details and materials will be utilized for the new installation.



### QUESTIONS?



Bob Mickelson  
*Senior Project Manager*  
Bob.Mickelson@ISGInc.com  
507.387.6651



Scott Higgins  
*County Coordinator*  
Scott.Higgins@co.martin.mn.us  
507.238.3126