

Design Fugitives

1. **Full Replacement in Bronze: \$10043**
 - Making molds for and Casting all three in Bronze and coated in Patina.
 - This would allow all three to be replaced at the same time, and, as part of the casting process, would result in the creation of reusable molds that could be used for any future replacements.
2. **One Replacement in Bronze and Two Molds: \$5948**
 - Casting the broken mask in Bronze with Patina, and making silicone-rubber molds for the other two:
 - This would save money up front, while still creating the necessary molds to do castings for the other two at a later date.
 - Going this route would save money up front, but result in a slightly higher cost in the long run when the other masks need to be replaced.
3. **One replacement in Bronze, and Two 3D Scans: \$4778**
 - Casting the broken mask in Bronze with Patina, and having the other two 3D scanned.
 - This would be a cheaper up-front option, but would be more expensive if (when, really - because eventually changes in weather will get to them) the other two masks break because we would have to mill a new mold and then go through the entire casting process.
4. **Three Molds: \$3902**
 - If funds are tight up front, this would allow us to have the molds needed to cast the masks in bronze at a future date, but again would be more expensive if (when, really - because eventually changes in weather will get to them) the other two masks break because we would have to then go through the entire casting process.
 - This would also mean that the broken mask would not be able to be displayed since repair work done to it would likely fail rather quickly when exposed to outdoor elements.
5. **Three 3D Scans: \$2145**
 - Again, if funds are tight up front, this would allow us to have the geometries needed to recreate the masks in bronze at a future date, but would be much more expensive in the long run because we would have to mill or 3D print a new mold for each (est. \$2750 for each mold) and then go through the entire casting process.
 - This would also mean that the broken mask would not be able to be displayed since repair work done to it would likely fail rather quickly when exposed to outdoor elements.

Other notes:

- Both the bronze casting and 3D scanning companies we are in contact with are highly reputable, and work with and create robust pieces of public art and/or furnishings on a regular basis. The scenarios above are based on their recommendations and best practices. They STRONGLY recommended that we not consider the ceramic masks a permanent solution.

With all three scenarios, we would have to spend some time repairing the broken mask prior to any casting or scanning. This is an additional cost to what is above that we estimate is between \$800-1000

