

City of Madison

State Street Confluence Public Art Project

08/23/18

Variance between 2016 Preliminary Conceptual Budget and 2018 Construction Budget

Category	2016 Preliminary Budget (Pre-Engineering)	2018 Budget (Six Plates)	2018 Variance	Detail
Artist Fee	\$24,000	\$24,000	0.00	<ul style="list-style-type: none"> <li>Unchanged from 2016 preliminary budget</li> <li>Includes design development, contract administration, project management, and studio labor</li> </ul>
Engineering and Testing	\$0	\$12,300	12,300.00	<ul style="list-style-type: none"> <li>The engineering process has been prolonged and complex.</li> <li>Engineers require extensive testing, inspection, and observation.</li> </ul>
Redesign	\$0	\$3,600	3,600.00	<ul style="list-style-type: none"> <li>The structural design has undergone multiple iterations in order to better resolve structural and budget requirements</li> </ul>
Site Preparation and Reconfiguration	\$5,000	\$9,245	4,245.00	<ul style="list-style-type: none"> <li>2018 price reflects costs to demo, salvage, excavate, form, pour, and restore existing footings, and install new metal baseplates beyond "minor modifications" forecast in 2016.</li> <li>Includes surface protection.</li> </ul>
Travel	\$3,500	\$3,500	0.00	<ul style="list-style-type: none"> <li>Unchanged from 2016 preliminary budget</li> <li>RDG site and quarry visits and meetings</li> </ul>
Stone Material Procurement	\$7,500	\$7,360	(140.00)	<ul style="list-style-type: none"> <li>Reduction from 2016 preliminary budget</li> <li>Extraction of boulder, cutting, and drilling</li> </ul>
Stone Handling & Installation	\$7,500	\$13,695	6,195.00	<ul style="list-style-type: none"> <li>Engineering requires a 2-inch steel base plate for the boulder</li> <li>A crew must travel to the remote quarry to install the base plate prior to shipping</li> <li>Dedicated truck to site</li> </ul>
Stainless Steel Material Procurement	\$40,000	\$75,536	35,536.00	<ul style="list-style-type: none"> <li>Vertical steel plates are 1/2-inch (1/4-inch was originally estimated)</li> <li>2-inch thick base plate is required as well as cover plates</li> <li>Tariffs have resulted in an inflated and volatile steel market</li> </ul>
Stainless Steel Fabrication	\$45,000	\$36,159	(8,841.00)	<ul style="list-style-type: none"> <li>Reduction from 2016 preliminary budget</li> <li>Base support design requires significant labor and material</li> <li>24 reinforcement tabs were added to the design</li> </ul>
Stainless Steel Handling and Installation	\$15,000	\$11,355	(3,645.00)	<ul style="list-style-type: none"> <li>Reduction from 2016 preliminary budget</li> <li>Dedicated truck to site</li> <li>Equipment and labor to maneuver and anchor steel structure</li> </ul>
Lighting and Electrical	\$12,500	\$12,500	0.00	<ul style="list-style-type: none"> <li>Unchanged from 2016 preliminary budget</li> <li>Linear LED fixtures between steel plates and recessed in-grade fixtures mounted in boulder plate</li> </ul>
<b>TOTALS*</b>	<b>\$160,000</b>	<b>\$209,250</b>	<b>49,250.00</b>	

\* We recommend a 5% owner contingency to cover unexpected site conditions which will not be determined until the platforms are demolished. Any remaining funds would be kept by the owner.

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 Presentation – November 18, 2016

**Preliminary Conceptual Budget**

<b><u>Artist Fee---</u></b>	\$24,000
Artist labor, concept, design development and coordination through installation (15%)	
<b><u>Travel---</u></b>	
Based on two trips including transportation, room and board	3,500
<b><u>Site-Preparation---</u></b>	5,000
Minor modifications to existing foundation and island, if necessary, coordination with Utilities	
<b><u>Stone---</u></b>	15,000
Selective purchase from Wisconsin quarry with cutting and drilling for attachment Shipping, delivery and off-loading at site	
<b><u>Stainless-steel metal Sculpture Fabrication--</u></b>	100,000
Including transportation and installation	
<b><u>Lighting and Electrical --</u></b>	12,500
<b>Total Based on Stated Budget--</b>	
	<b>\$160,000</b>

The preliminary budget as shown reflects a reasonable estimate/opinion of cost. The concept is subject to change and refinement. An actual budget must be verified through detailed design development.