



## CDBG-MIT: Budget Justification of Retail Costs (Former Table 2)

Cost Verification Controls must be in place to assure that construction costs are reasonable and consistent with market costs at the time and place of construction.

<b>Applicant/Subrecipient:</b>							
<b>Site/Activity Title:</b>							
<b>Eligible Activity:</b>							
Materials/Facilities/Services	\$/Unit	Unit	Quantity	Construction	Acquisition	Total	
Base Station	\$ 59,500.00	EA	1	\$ 59,500.00	\$ -	\$ 59,500.00	
Remote Camera	\$ 21,000.00	EA	4	\$ 84,000.00	\$ -	\$ 84,000.00	
Flasher System	\$ 59,700.00	EA	30	\$ 1,791,000.00	\$ -	\$ 1,791,000.00	
Stream Level Gage & Rain Gage	\$ 25,000.00	EA	11	\$ 275,000.00	\$ -	\$ 275,000.00	
Rain Gage	\$ 12,000.00	EA	11	\$ 132,000.00	\$ -	\$ 132,000.00	
Weather Station (RAWS)	\$ 30,000.00	EA	2	\$ 60,000.00	\$ -	\$ 60,000.00	
Radio Tower	\$ 30,000.00	LS	1	\$ 30,000.00	\$ -	\$ 30,000.00	
Flood Monitoring Tools	\$ 300,000.00	LS	1	\$ 300,000.00	\$ -	\$ 300,000.00	
Hydrologic & Hydraulic Modeling	\$ 500,000.00	LS	1	\$ 500,000.00	\$ -	\$ 500,000.00	
Project Management	\$ 50,000.00	LS	1	\$ 50,000.00	\$ -	\$ 50,000.00	
Staff Training	\$ 50,000.00	LS	1	\$ 50,000.00	\$ -	\$ 50,000.00	
Alarm Trigger Set-up	\$ 25,000.00	LS	1	\$ 25,000.00	\$ -	\$ 25,000.00	
Syncing Gage and Modeling Data	\$ 25,000.00	LS	1	\$ 25,000.00	\$ -	\$ 25,000.00	
Database Set-up and Organization	\$ 75,000.00	LS	1	\$ 75,000.00	\$ -	\$ 75,000.00	
Software Fees	\$ 30,000.00	LS	1	\$ 30,000.00	\$ -	\$ 30,000.00	
Software Set-up	\$ 75,000.00	LS	1	\$ 75,000.00	\$ -	\$ 75,000.00	
Cellular Service Plan	\$ 20,000.00	LS	1	\$ 20,000.00	\$ -	\$ 20,000.00	
Agency Gage Integration (USGS/UBCWCID)	\$ 50,000.00	LS	1	\$ 50,000.00	\$ -	\$ 50,000.00	
System Testing and Calibration	\$ 100,000.00	LS	1	\$ 100,000.00	\$ -	\$ 100,000.00	
	\$ -		0	\$ -	\$ -	\$ -	
<b>TOTAL</b>	<b>\$ 1,537,200.00</b>			<b>\$ 3,731,500.00</b>	<b>\$ -</b>	<b>\$ 3,731,500.00</b>	

**1. Identify and explain the annual projected operation and maintenance costs associated with the proposed activities.**

For the Flood Monitoring Network components (physical devices) and Tools (software) the anticipated annual O&M costs start at about \$107,000 and are estimated to increase annually at the rate of inflation, assumed at 2%. Every 5 years, the batteries will need to be replaced on the physical devices, and the database computer will need to be replaced. Every 10 years, the solar charging system will need to be replaced on the physical devices.

**2. Identify and explain any special engineering activities.**

Hydrologic and Hydraulic modeling will need to be conducted to support development of the Flood Monitoring Tools to accurately predict flooding and inundation areas based on the data collected from the Flood Monitoring Network.

Seal	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"><b>Date:</b></td> <td style="width: 50%;"></td> </tr> <tr> <td><b>Phone Number:</b></td> <td></td> </tr> </table>  <p style="text-align: center;"><b>Signature of Registered Engineer/Architect Responsible For Budget Justification:</b></p>	<b>Date:</b>		<b>Phone Number:</b>	
<b>Date:</b>					
<b>Phone Number:</b>					