



## **Budget Narrative**

**Applicant Name: DigitalBridge Communications Corp. (DBC)**

**EasyGrants Number: 402**

**Organization Type (from Question 1D on BTOP application): For profit**

**Proposed Period of Performance: 6 months**

**Total Project Costs: \$1,230,167**

**Total Federal Grant Request: \$984,134**

**Total Matching Funds (Cash): \$246,033**

**Total Matching Funds (In-Kind): \$0**

**Total Matching Funds (Cash + In-Kind): \$246,033**

**Total Matching Funds (Cash + In-Kind) as Percentage of Total Project Costs: 20%**

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### **1. Administrative and legal expenses - \$0**

- Provide a breakout of position(s), time commitment(s) such as hours or level-of-effort, and salary information/rates with a detailed explanation, and additional information as needed. **Not applicable.**

- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source. **Not applicable.**

- Provide detailed description, calculation, and basis of evaluation for each In-Kind Matching Funds source. **Not applicable.**

### **2. Land, structure, rights-of-way, appraisals, etc. - \$0**

- Provide description of estimated costs, proposed activities, and additional information as needed. **Not applicable.**



- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source. **Not applicable.**

- Provide detailed description, calculation, and basis of evaluation for each In-Kind Matching Funds source. **Not applicable.**

**3. Relocation expenses and payment - \$0**

- Provide explanation for the relocation, description of the person involved in the relocation, method used to calculate costs, and additional information as needed. **Not applicable.**

- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source. **Not applicable.**

- Provide detailed description, calculation, and basis of evaluation for each In-Kind Matching Funds source. **Not applicable.**

**4. Architectural and engineering fees - \$36,750 (SF 424-C Line 4).**

- Provide description of estimated fees, rates, explanation of proposed services, and additional information as needed.

Architectural and engineering fees are estimated at \$36,750, with a requested Federal Funding amount of \$29,400. This will include fees for DBC to manage the project, design and build the access network for the County, including the following tasks:

- Backbone and access network planning and design
- Broadband wireless systems planning and design
- Frequency coordination
- Integration engineering
- Data network engineering
- Equipment specification and integration engineering
- Interconnection and interoperability planning and design
- Logistics planning
- Warehousing and shipping

Staff	Hours/Month	Months	Rate	Total Cost
Project Manager	110	6	\$40	\$26,400
Construction Manager	86.25	4	\$30	\$10,350



- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source. **Cash Matching Funds of \$7,350 are calculated at 20% of the line item total.**

- Provide detailed description, calculation, and basis of evaluation for each In-Kind Matching Funds source. **Not applicable.**

**5. Other architectural and engineering fees - \$6,591 (SF 424C Line 5)**

- Provide description of estimated fees, rates, explanation of proposed services, and additional information as needed. **These fees are for third party work including wireless network planning and mapping services, interference testing, frequency coordination. The total is estimated at \$6,591 with a Federal Funding request of \$5,273.**

- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source. **Cash Matching Funds of \$1,318 are calculated at 20% of the line item total.**

- Provide detailed description, calculation, and basis of evaluation for each In-Kind Matching Funds source. **Not applicable.**

**6. Project inspection fees - \$0**

- Provide description of estimated fees, rates, explanation of proposed services, and additional information as needed. **Although DBC will conduct extensive acceptance testing, no Federal Funding is requested.**

- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source. **Not applicable.**

- Provide detailed description, calculation, and basis of evaluation for each In-Kind Matching Funds source. **Not applicable.**

**7. Site work - \$0**

- Provide description of estimated fees, rates, explanation of proposed services, and additional information as needed. **Not applicable.**



- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source. **Not applicable.**

- Provide detailed description, calculation, and basis of evaluation for each In-Kind Matching Funds source. **Not applicable.**

### **8. Demolition and removal - \$0**

- Provide description of estimated fees, rates explanation of proposed services, and additional information as needed. **Not applicable.**

- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source. **Not applicable.**

- Provide detailed description, calculation, and basis of evaluation for each In-Kind Matching Funds source. **Not applicable.**

### **9. Construction - \$214,659 (SF-424C Line 9)**

- Provide description of estimated fees, rates, explanation of proposed services, state whether the work is being completed by the applicant or an outside contractor, and additional information as needed.

DigitalBridge has identified 3 transmitter sites which will be utilized to provide maximum broadband coverage to the County. Each site will employ 3 each, 60 degree sectors to provide 180 degree coverage around the site.

Site work and construction tasks will include those listed below, for more detail and specific associated timelines and dependencies please refer to the Project Plan:

- **Pre-Construction:**
  - **Network design**
  - **Site leasing**
  - **Site walks**
  - **Prepare construction drawings**
  - **Order structural certification letters**
  - **Conduct construction bid walks**
  - **Acquire building permits**



- **Procurement**
  - **Run telco to cabinet locations**
  - **Run power to cabinet locations**
  - **Order antennas, lines, hardware**
  - **Environmental studies**
- **Construction**
  - **Site NTP**
  - **Complete grounding**
  - **Install lines & antennas**
- **Civil construction complete**

Prices for these services at \$214,659, with Federal Funding requested at \$171,727 have been estimated based on DBC's long experience building WiMAX base station sites in markets near and around the County. Upon receipt of a BTOP award for this project, DBC will engage in a competitive bidding process to make final selection of a contractor to perform this work.

- **Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source. Cash Matching Funds of \$42,932 are calculated at 20% of the line item total.**

- **Provide detailed description, calculation, and basis of evaluation for each In-Kind Matching Funds source. Not applicable.**



**10. Equipment - \$ 963,842 (SF 424C Line 10)**

- Provide a list of equipment in the form of a table with description, number of units, unit cost, state whether it is being purchased or leased, and additional information as needed. The total equipment cost of \$ 963,842 includes all WiMAX, networking, backhaul, cabinet and power distribution and customer premise equipment. Federal Funding is requested in the amount of \$ 771,074. In DBC's initial applications, a small amount of capital expenditures for CPE (less than 5% of the total capital expenditure) extended into years 4 and 5. That CPE capital has been moved into year 3 and placed into inventory so that all capital will have been drawn down by the end of year 3 in accordance with ARRA requirements. Details are included in the table below:

- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source. Cash Matching Funds of \$192,768 are calculated at 20% of the line item total.

- Provide detailed description, calculation, and basis of evaluation for each In-Kind Matching Funds source. Not applicable.

Equipment Description	Unit Cost	Qty	Total
<b>WiMAX Equipment</b>			
WiMAX 2.5 GHz Base station kits			
<i>BMAX-4M-PIU Base station Power Interface Unit</i>			
<i>BMAX-4M-AU-4CH</i>			
<i>BMAX-GPS-IGA-CBL GPS indoor controller adapter cable</i>		3	
<i>BMAX-GPS- OGR GPS Outdoor antenna</i>			
<i>Timing GPS-CBL-50 GPS outdoor antenna cable</i>			
<i>ODU-2496-2602-000N-38-4x2-N-0</i>			
<i>ANT.2.3-2.7GHz, D/S, 65°, 16±0.5dBi</i>			
<b>Networking Equipment</b>			
Catalyst 3560V2 Switch		3	
Fiber Interface		1	
Fiber Interface Carrier Card		1	
Internet Router Cisco 3845		1	
<b>Microwave Equipment</b>			
18 GHz Microwave Backhaul		1	
11 GHz Microwave Backhaul		1	
Fiber Backhaul		15	
<b>Cabinet and Power Distribution Equipment</b>			
6' cabinet Kits with 6000btu a/c			
<i>19" SHELF 4 BREAKERS, 10 GMTS</i>		3	
<i>DC Bullet circuit breakers</i>			
<i>CONTROLLER CARD (in chassis/shelf)</i>			



20 AMP RECTIFIER		
AC POWER CABLE		
10' ALARM CABLE		
TEMPPROBE		
100AH 48DVC		
Battery cables		
Power cables		
Power distribution unit (PDU)	3	
Customer Premise Equipment	Covers entire project	
WiMAX CPE Units	2117	
Equipment Total		\$ 963,842

**11. Miscellaneous - \$8,325 (SF 424C Line 11)**

- Provide additional information as needed. **Software licensing and support fees for the WiMAX equipment are included in this category. Federal Funding is requested in the amount of \$6,660.**

- Provide detailed description, calculation, and basis of evaluation for each **Cash Matching Funds** source. **Cash Matching Funds of \$1,665 are calculated at 20% of the line total.**

- Provide detailed description, calculation, and basis of evaluation for each **In-Kind Matching Funds** source.

**13. Contingencies - \$0**

- Contingencies are an unallowable expenditures under **BTOP**.

**15. Project (program) income - \$0**

- The value for this line-item on the **SF-424C** is **\$0**. Please do not provide an estimated **Project (program income)** on the **SF-424C**.



## **Addendum**

**- If indirect costs (i.e., indirect, overhead, general and administrative, facilities and administration, etc.) and/or fringe benefits are included in the budget, please provide a copy of your existing Negotiated Indirect Cost Recovery Agreement (NICRA), if available. If the NICRA is applied accordingly in the budget, there is no need to justify the costs. If a NICRA is not available or is not consistent with the rates/calculations in the budget, please provide an explanation of how the amounts were calculated. Please clearly list the manner in which indirect costs are calculated in the budget.**