



Budget Narrative

Applicant Name: DigitalBridge Communications Corp. (DBC)

EasyGrants Number: 408

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

Proposed Period of Performance: 15 months

Total Project Costs: \$1,700,816

Total Federal Grant Request: \$1,360,653

Total Matching Funds (Cash): \$340,163

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

Total Matching Funds (Cash + In-Kind): \$340,163

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

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 - \$106,400 (SF 424C Line 4).

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

Architectural and engineering fees are estimated at \$106,400, with a requested Federal Funding amount of \$ 85,120. 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	160	15	\$40	\$96,000
Construction Manager	86.66	4	\$30	\$10,400



- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source. **Cash Matching Funds of \$21,280 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 - \$7,375(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 \$7,375 with a Federal Funding request of \$5,900.**

- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source. **Cash Matching Funds of \$1,475 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 - \$572,424 (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 8 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 \$ 572,424 with Federal Funding requested at \$457,939 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 \$ 114,485 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 - \$ 992,417 (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 \$ 992,417 includes all WiMAX, networking, backhaul, cabinet and power distribution and customer premise equipment. Federal Funding is requested in the amount of \$ 793,934. 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 \$198,483 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.

Description	Unit Cost	Qty	Total
WiMAX Equipment			
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>	\$ [REDACTED]	8	\$ [REDACTED]
<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>			
Networking Equipment			
Catalyst 3560V2 Switch	\$ [REDACTED]	8	\$ [REDACTED]
Fiber Interface	\$ [REDACTED]	1	\$ [REDACTED]
Copper Interface	\$ [REDACTED]	1	\$ [REDACTED]
Fiber Interface Carrier Card	\$ [REDACTED]	1	\$ [REDACTED]
Internet Router Cisco 3845	\$ [REDACTED]	1	\$ [REDACTED]
Backhaul Equipment			
18 GHz Microwave Backhaul	\$ [REDACTED]	7	\$ [REDACTED]
11 GHz Microwave Backhaul	\$ [REDACTED]	2	\$ [REDACTED]
Fiber Backhaul	\$ [REDACTED]	3	\$ [REDACTED]
Cabinet and Power Distribution Equipment			
6' cabinet Kits with 6000btu a/c			
<i>19" SHELF 4 BREAKERS, 10 GMTS</i>			
<i>DC Bullet circuit breakers</i>	\$ [REDACTED]	8	\$ [REDACTED]
<i>CONTROLLER CARD (in chassis/shelf)</i>			
<i>20 AMP RECTIFIER</i>			



AC POWER CABLE			
10' ALARM CABLE			
TEMPPROBE			
100AH 48DVC			
Battery cables			
Power cables			
Power distribution unit (PDU)	\$	8	\$
Customer Premise Equipment	<i>Covers entire project</i>		
WiMAX CPE Units	\$	1847	\$
Equipment Total			\$ 992,417

11. Miscellaneous - \$22,200 (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 \$17,760.

- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source. Cash Matching Funds of \$4,440 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.