



Budget Narrative

Applicant Name: DigitalBridge Communications Corp. (DBC)

EasyGrants Number: 393

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

Proposed Period of Performance: 15 months

Total Project Costs: \$2,327,746

Total Federal Grant Request: \$1,862,197

Total Matching Funds (Cash): \$465,549

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

Total Matching Funds (Cash + In-Kind): \$465,549

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 - \$78,050 (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 \$78,050, with a requested Federal Funding amount of \$62,440. 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	114.2	15	\$40	\$68,520
Construction Manager	79.42	4	\$30	\$9,530



- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source. **Cash Matching Funds of \$15,610 are calculated at 20% of the Project Total.**

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

5. Other architectural and engineering fees - \$6,556 (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 \$6,556 with a Federal Funding request of \$5,245.**

- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source. **Cash Matching Funds of \$1,311 are calculated at 20% of the Project 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 - \$357,765 (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 4 transmitter sites which will be utilized to provide the 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 for 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 \$357, 765, with Federal Funding requested at \$286,212, 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 \$71,553 are calculated at 20% of the Project Total.

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



10. Equipment - \$1,871,500 (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 \$1,871,500 includes all WiMAX, networking, backhaul, cabinet and power distribution and customer premise equipment. Federal Funding is requested in the amount of \$1,497,200. 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:

Equipment Description	Part Number	Unit Cost	Qty	Total
WiMAX Equipment				
BMAX-4M-NPU Base Station Kit	700204			
<i>BMAX-4M-PIU Base station Power Interface Unit</i>	700203			
<i>BMAX-4M-AU-4CH</i>	700201			
<i>BMAX-GPS-IGA-CBL GPS indoor controller adapter cable</i>	700200		5	
<i>BMAX-GPS- OGR GPS Outdoor antenna</i>	723204			
<i>Timing GPS-CBL-50 GPS outdoor antenna cable</i>	723205			
<i>ODU-2496-2602-000N-38-4x2-N-0</i>	725252			
<i>ANT.2.3-2.7GHz, D/S,65°,16±0.5dBi</i>	300640			
Networking Equipment				
Catalyst 3560V2 Switch	WS-C3560V2-24TS-SD		4	
Catalyst 3560G-24TS Switch	WS-C3560G-24TS-S		1	
Inverter			1	
Fiber Interface	GLC-LH-SM=		7	
Fiber Interface Carrier Card	HWIC-1GE-SFP=		1	
Internet Router Cisco 3845	CISCO-3845DC		1	
Backhaul Equipment				
11 GHz Microwave Backhaul			1	
Fiber Backhaul			46.35	
Cabinet and Power Distribution Equipment				
6' Cabinet Kits with 6000btu a/c	ThermoBond 703030MS2DAC			
<i>19" SHELF 4 BREAKERS, 10 GMTS</i>	V-CK3DANN0VV			
<i>DC Bullet circuit breakers</i>	CBB080E			
<i>CONTROLLER CARD (in chassis/shelf)</i>	V-BC2000-A01			
<i>20 AMP RECTIFIER</i>	V-1000A-VV			
<i>AC POWER CABLE</i>	C-ACPWCBL009		5	
<i>10' ALARM CABLE</i>	V-CA210203104			
<i>TEMPPROBE</i>	V-TEMPPROBE			
<i>100AH 48DVC</i>	VX100F48VDC			
<i>Battery cables</i>	n/a			
<i>Power cables</i>	n/a			
Power distribution unit (PDU)	4805/35-XLS-12		5	
Customer Premise Equipment – Covers entire project				
WiMAX CPE units	725801US		1608	
EQUIPMENT TOTALS				\$ 1,871,500



- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source. **Cash Matching Funds of \$374,300 are calculated at 20% of the Project Total.**

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

11. Miscellaneous - \$13,875 (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 \$11,100.**

- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source. **Cash Matching Funds of \$2,775 are calculated at 20% of the Project 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.