



Mid-Atlantic Broadband Communities Corporation  
Middle Mile Fiber Expansion Project – 2.0

Statewide Competitive Application – GO Virginia Region 3 and 4

## Mid-Atlantic Broadband Communities Corporation (MBC) Middle Mile Fiber Expansion Project\_1.0

- Original project involves building 6 open access middle-mile backbone segments totaling 69 miles that provide critical broadband connectivity and diversity to 31 industrial and business park sites in 9 localities including the Counties of Mecklenburg, Lunenburg, Prince Edward, Nottoway, Dinwiddie, Prince George, Sussex, Greensville, and the City of Petersburg
- Application approved by GO Virginia Region 3 and 4 Councils during February and March and GO Virginia State Board approval received in April contingent on receiving federal matching funds from the US Economic Development Administration
- Project principals advised in May that US EDA funding had been exhausted for these types of broadband projects and the MBC project would not be reviewed
- MBC subsequently identified another federal grant opportunity from the US National Telecommunications Information Administration (NTIA) for middle-mile broadband projects which can expand the original project service area to include Cumberland County (Region 3), Goochland County (Region 4), and Shannon Hill Regional Business Park/Louisa County (Region 9); NTIA application deadline is September 30, 2022
- DHCD's GO Virginia staff has advised that revising and updating the approved project's Statewide Competitive Application to show federal matching funds contingent on an award from NTIA is permissible provided all things remain unchanged from the original GO Virginia State Board approval to include the award amount of \$5MM
- A Letter of Support from the Region 9 GO Virginia Council for the expanded project is requested and will be included in the updated project application submitted to DHCD GO Virginia staff

# Mid-Atlantic Broadband Communities Corporation Middle Mile Fiber Expansion Project Route Map – 1.0 GO Virginia State Board Approval\_4.21.22



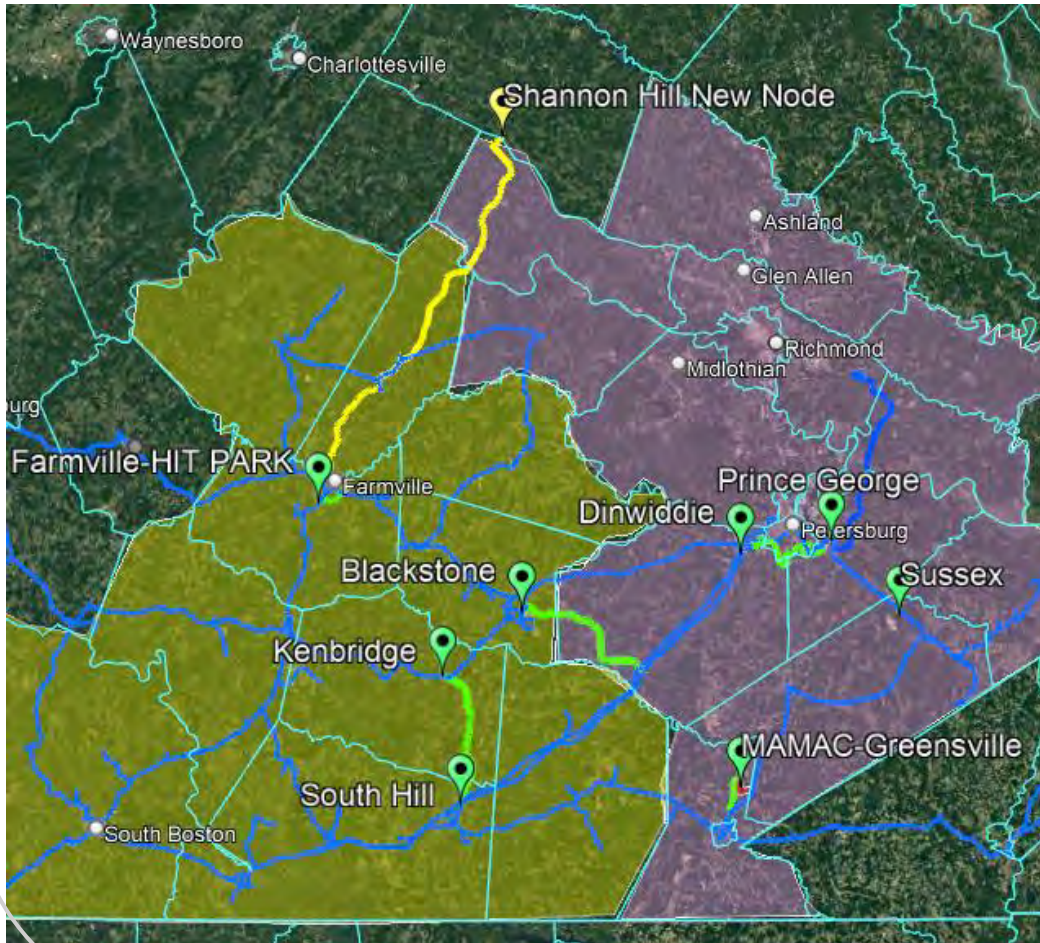
Mid-Atlantic Broadband Communities Corporation  
 Middle Mile Fiber Expansion Project Budget – 1.0  
 GO Virginia State Board Approval\_4.21.22

Segment	Route	Miles	TOTAL	Construction	A/E Fees	ROW/Permits
1	South Hill Node to Kenbridge Node	18.00	\$ 2,136,831	\$ 2,108,319		\$ 28,512
2	Blackstone Node to I-85/McKenney	18.50	\$ 2,198,775	\$ 2,164,471		\$ 34,304
3	Dinwiddie to Prince George	21.60	\$ 2,968,327	\$ 2,532,875	\$ 91,238	\$ 344,214
4	MAMaC Lateral - Greensville County	4.50	\$ 448,419	\$ 429,411	\$ 19,008	\$ -
5	Farmville to Heartland Innovation Tech Park	5.70	\$ 827,542	\$ 773,028		\$ 54,514
6	Sussex Mega Site Laterals	0.90	\$ 145,482	\$ 111,681	\$ 3,802	\$ 30,000
	<b>Estimated Direct Costs For Project</b>	<b>69.20</b>	<b>\$ 8,725,377</b>	<b>\$ 8,119,784</b>	<b>\$ 114,048</b>	<b>\$ 491,545</b>
	Administration: Grant		\$ 240,000	SPDC + MBC Support 24 month process		
	Administration: Legal Expenses		\$ 40,000	contract and ROW reviews		
	A/E Fees: Construction Admin		\$ 175,000	3rd party construction management		
	Project Inspection Fees		\$ 150,000	Inspections (18 months)		
	Overall Project Contingencies		\$ 669,623	approx 8% of construction		
	<b>TOTAL PROJECT COST</b>		<b>\$ 10,000,000</b>			
	EDA Grant Share		\$ 4,000,000	40%		
	GO Virginia State Competitive Share		\$ 5,000,000	50%		
	MBC Share		\$ 1,000,000	10%		



# Mid-Atlantic Broadband Communities Corporation Middle Mile Fiber Expansion Project 2.0 Statewide Competitive Application – GO Virginia Regions 3 and 4

## Cumberland Co.\_Goochland Co.\_Shannon Hill Regional Business Park Route



NTIA Middle Mile Project Summary Budget - Shannon Hill/Louisa County						
Segment	Route	Miles	TOTAL	Construction	A/E Fees	ROW/Permits
1	South Hill Node to Kenbridge Node	18.00	\$ 2,136,831	\$ 2,108,319		\$ 28,512
2	Blackstone Node to I-85/McKenney	18.50	\$ 2,198,775	\$ 2,164,471		\$ 34,304
3	Dinwiddie to Prince George	21.60	\$ 2,968,327	\$ 2,532,875	\$ 91,238	\$ 344,214
4	MAMaC Lateral - Greenville County	4.50	\$ 448,419	\$ 429,411	\$ 19,008	\$ -
5	Farmville to Heartland Innovation Tech Park	5.70	\$ 827,542	\$ 773,028		\$ 54,514
6	Sussex Mega Site Laterals	0.90	\$ 145,482	\$ 111,681	\$ 3,802	\$ 30,000
7	Heartland Innovation Tech Park to Cumberland	21.00	\$ 2,650,000	\$ 2,625,000	\$ -	\$ 25,000
8	Cumberland to Shannon Hill	36.00	\$ 4,721,568	\$ 4,500,000	\$ 161,568	\$ 60,000
8A	Add Shannon Hill Node		\$ 500,000			\$ 5,000
9	Dinwiddie Node Extension	1.90	\$ 247,500	\$ 237,500	\$ -	\$ 10,000
10	Prince George Node Extension	2.20	\$ 285,000	\$ 275,000	\$ -	\$ 10,000
9A	Add Dinwiddie Node		\$ 500,000	\$ 500,000		\$ 5,000
<b>Estimated Direct Costs For Project</b>		<b>130.30</b>	<b>\$17,629,445</b>	<b>\$ 16,257,284</b>	<b>\$ 275,616</b>	<b>\$ 606,545</b>
Administration: Grant			\$ 325,000	SPDC + MBC Support 36 month process		
Administration: Legal Expenses			\$ 50,000	contract and ROW reviews		
A/E Fees: Construction Admin			\$ 790,377	3rd party construction management		
Project Inspection Fees			\$ 500,000	Inspections (24 months)		
Overall Project Contingencies			\$ 705,178	approx 4% of construction		
<b>TOTAL PROJECT COST</b>			<b>\$20,000,000</b>			
NTIA Grant Share @ 70%			<b>\$13,750,000</b>	68.8%		
GO Virginia State Competitive Share (\$5M)			<b>\$ 5,000,000</b>	25.0%		
MBC InKind (land, admin, pm)			<b>\$ 250,000</b>	1.3%		
MBC Cash Match Share			<b>\$ 1,000,000</b>	5.0%		

original  
EDA GOVA  
Project  
request

# Mid-Atlantic Broadband Communities Corporation Middle Mile Fiber Expansion Project 2.0

## Shannon Hill Regional Business Park Site

- MBC Node located rear on-site water tower
- Interconnection with exiting east-west commercial carrier fiber routes (e.g. Lumen, Comcast, Segra, and CVEC/Firefly)
- Provide fiber diversity via a southern route (ring to Richmond and Charlottesville)
- GO VA Region 9/Louisa County leg = \$620K for 1 mile of fiber and node

