

BTOP Comprehensive Community Infrastructure Detailed Budget

Please complete the General Budget Overview and Detailed Project Costs worksheets.

Please refer to the Comprehensive Community Infrastructure Grant Guidance for detailed instructions on the completing this upload.

Applicants are required to provide this upload as an Excel file, and not to convert it to a PDF prior to upload. Applicants should not alter the layout of the provided templates, except to insert additional line-items as needed in the Detailed Project Costs worksheet.

NTIA BTOP Round Two - CCI #5116
DC Community Access Network ("DC-CAN")
General Budget Overview

FINAL
 March 23, 2010
 6:00 PM Eastern

Budget	Federal Funding Request	Matching Funds (Cash)	Matching Funds (In-Kind)	Budget TOTAL	Last Mile Allocation	Middle Mile Allocation	Allocated TOTAL
Network & Access Equipment (switching, routing, transport, access)	\$4,474,433	\$7,498,090	\$0	\$11,972,523	\$0.00	\$11,972,523.00	\$11,972,523
Outside Plant (cables, conduits, ducts, poles, towers, repeaters, etc.)	\$8,732,184	\$0	\$0	\$8,732,184	\$0.00	\$8,732,184.00	\$8,732,184
Buildings and Land – (new construction, improvements, renovations, lease)	\$0	\$0	\$0	\$0	\$0.00	\$0.00	\$0
Customer Premise Equipment (modems, set-top boxes, inside wiring, etc.)	\$0	\$0	\$0	\$0	\$0.00	\$0.00	\$0
Billing and Operational Support Systems (IT systems, software, etc.)	\$0	\$0	\$0	\$0	\$0.00	\$0.00	\$0
Operating Equipment (vehicles, office equipment, other)	\$0	\$0	\$0	\$0	\$0.00	\$0.00	\$0
Engineering/Professional Services (engineering design, project management, consulting, etc.)	\$4,191,025	\$15,000	\$61,968	\$4,267,993	\$0.00	\$4,267,993.00	\$4,267,993
Testing (network elements, IT system elements, user devices, test generators, lab furnishings, servers/computers, etc.)	\$60,300	\$0	\$0	\$60,300	\$0.00	\$60,300.00	\$60,300
Site Preparation	\$0	\$0	\$0	\$0	\$0.00	\$0.00	\$0
Other				\$0			\$0
TOTAL BROADBAND SYSTEM:	\$17,457,942	\$7,513,090	\$61,968	\$25,033,000	\$0	\$25,033,000	\$25,033,000
Cost Share Percentage:	69.74%	30.01%	0.25%				

**NTIA BTOP Round Two - CCI #5116
OCTO DC-Community Access Network**

FINAL
March 22, 2010
6:00 PM Eastern

DETAIL OF PROJECT COSTS

PLEASE COMPLETE THE TABLE BELOW FOR THE DIFFERENT CATEGORIES OF EQUIPMENT THAT WILL BE REQUIRED FOR
COMPLETING THE PROJECT. EACH CATEGORY SHOULD BE BROKEN DOWN TO THE APPROPRIATE LEVEL FOR IDENTIFYING
UNIT COST

NTIA BTOP Round Two CCI (Winter 2010) - EasyGrant#:		5116	Applicant:		OCTO DC-Net	Project Name:		DC-Community Access Network (DC-CAN)		
SERVICE AREA or COMMON NETWORK FACILITIES:		Match (Cash/In-kind)	Unit Cost	No. of Units	Total Cost	Last Mile Allocation	Middle Mile Allocation	Allocated Total	SF-424C Budget Category	Support of Reasonableness
NETWORK & ACCESS EQUIPMENT					\$11,972,523	\$0	\$11,972,523	\$11,972,523		
Switching	Cisco 3560 24 10/100 PoE + 2 S	Cash Match	\$5,790	291	\$1,684,890	\$0	\$1,684,890	\$1,684,890	10. Equipment	223 new sites; 68 upgrade sites.
	GE SFP LC connector LX/LH transceiver (four)		\$565	1164	\$657,660	\$0	\$657,660	\$657,660	10. Equipment	Unit configurations used to construct
	Cisco 1520 Outdoor Series (w/ hardware)		\$3,500	291	\$1,018,500	\$0	\$1,018,500	\$1,018,500	10. Equipment	equipment bill of materials
	Chassis 4507R-E		\$5,497	3	\$16,491	\$0	\$16,491	\$16,491	10. Equipment	Commercial prices, based on procurement
	Supervisor (WS-X45-SUP6-E)		\$10,997	6	\$65,982	\$0	\$65,982	\$65,982	10. Equipment	schedules.
	IOS (S45EESK9-12250SG)		\$6,000	3	\$18,000	\$0	\$18,000	\$18,000	10. Equipment	Same
	48 Port PoE Blades (WS-X4648-RJ45V+E)		\$4,122	6	\$24,732	\$0	\$24,732	\$24,732	10. Equipment	Same
	SFP (GLC-LH-SM)		\$565	12	\$6,780	\$0	\$6,780	\$6,780	10. Equipment	Same
			\$0		\$0	\$0	\$0	\$0		
Routing	Cisco 7606 redundant system 2RSP720-3CXL, 2PS		\$51,750	18	\$931,500	\$0	\$931,500	\$931,500	10. Equipment	Commercial prices, based on procurement
	48-port SFP Gigabit (two)		\$18,750	36	\$675,000	\$0	\$675,000	\$675,000	10. Equipment	223 new sites; 68 upgrade sites.
	48-port SFP FastEthernet (two)		\$6,750	36	\$243,000	\$0	\$243,000	\$243,000	10. Equipment	Unit configurations used to construct
	10GBASE-LR X2 Module (four)		\$3,000	72	\$216,000	\$0	\$216,000	\$216,000	10. Equipment	equipment bill of materials
	MPLS VPN: ASR 9010 (Super C	Cash Match	\$303,400	2	\$606,800	\$0	\$606,800	\$606,800	10. Equipment	Same
	MPLS VPN: ASR-9006 (Core Site	Cash Match	\$249,550	8	\$1,996,400	\$0	\$1,996,400	\$1,996,400	10. Equipment	Same
			\$0		\$0	\$0	\$0	\$0		
Transport	DWDM: 10 sites 40-channel Cien	Cash Match	\$321,000	10	\$3,210,000	\$0	\$3,210,000	\$3,210,000	10. Equipment	Commercial prices, based on procurement
			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
Access			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
Other	Hubbell RE-BOX wall enclosure		\$357	223	\$79,611	\$0	\$79,611	\$79,611	10. Equipment	Commercial prices, based on procurement
	Patch Panel mounting bracket		\$40	223	\$8,920	\$0	\$8,920	\$8,920	10. Equipment	223 new sites; 68 upgrade sites.
	Equipment mounting bracket		\$46	223	\$10,258	\$0	\$10,258	\$10,258	10. Equipment	Unit configurations used to construct
	APC SMART UPS 1000 Rack Mount		\$507	223	\$113,061	\$0	\$113,061	\$113,061	10. Equipment	equipment bill of materials
	Network Management Card		\$224	223	\$49,952	\$0	\$49,952	\$49,952	10. Equipment	Same
	Mounting hardware/patch cord(s)/etc.		\$100	223	\$22,300	\$0	\$22,300	\$22,300	10. Equipment	Same
	Power (PWR-C45-1400DC-P)		\$960	6	\$5,760	\$0	\$5,760	\$5,760	10. Equipment	Same
	48-volt 155-aH battery string (two)		\$1,825	36	\$65,700	\$0	\$65,700	\$65,700	10. Equipment	Same
	Battery tray (two)		\$196	36	\$7,056	\$0	\$7,056	\$7,056	10. Equipment	Same
	Circuit Breaker 100-amp (5)		\$32	90	\$2,880	\$0	\$2,880	\$2,880	10. Equipment	Same
	48v 50amp rectifier module (two)		\$995	36	\$35,820	\$0	\$35,820	\$35,820	10. Equipment	Same
	Cisco 5500 Series Wireless Controller Redundant F		\$897	5	\$4,485	\$0	\$4,485	\$4,485	10. Equipment	Same
	Cisco 5508 Series Wireless Controller for up to 250		\$38,997	5	\$194,985	\$0	\$194,985	\$194,985	10. Equipment	Same
			\$0		\$0	\$0	\$0	\$0		

**NTIA BTOP Round Two - CCI #5116
OCTO DC-Community Access Network**

FINAL
March 22, 2010
6:00 PM Eastern

NTIA BTOP Round Two CCI (Winter 2010) - EasyGrant#:		5116	Applicant:		OCTO DC-Net	Project Name:		DC-Community Access Network (DC-CAN)	
OUTSIDE PLANT					\$8,732,184	\$0	\$8,732,184	\$8,732,184	
Cables			\$0		\$0	\$0	\$0	\$0	
			\$0		\$0	\$0	\$0	\$0	
			\$0		\$0	\$0	\$0	\$0	
Conduits	CAN Backbone Fiber Materials		\$2.10	303,250	\$636,825	\$0	\$636,825	\$636,825	10. Equipment 288-count fiber, per foot; vendor quote
	Access Loops		\$1.30	585,100	\$760,630	\$0	\$760,630	\$760,630	10. Equipment 96-count fiber, per foot; vendor quote
			\$0		\$0	\$0	\$0	\$0	
Ducts			\$0		\$0	\$0	\$0	\$0	
			\$0		\$0	\$0	\$0	\$0	
			\$0		\$0	\$0	\$0	\$0	
Poles			\$0		\$0	\$0	\$0	\$0	
			\$0		\$0	\$0	\$0	\$0	
			\$0		\$0	\$0	\$0	\$0	
Towers			\$0		\$0	\$0	\$0	\$0	
			\$0		\$0	\$0	\$0	\$0	
			\$0		\$0	\$0	\$0	\$0	
Repeaters			\$0		\$0	\$0	\$0	\$0	
			\$0		\$0	\$0	\$0	\$0	
			\$0		\$0	\$0	\$0	\$0	
Other	Underground Fiber Install		\$8.24	503200	\$4,146,368	\$0	\$4,146,368	\$4,146,368	7. Site work Unit cost per foot; vendor quote
	Aerial Fiber Install		\$3.86	318250	\$1,228,445	\$0	\$1,228,445	\$1,228,445	7. Site work Unit cost per foot; vendor quote
	ISP Costs		\$2.14	66900	\$143,166	\$0	\$143,166	\$143,166	7. Site work Unit cost per foot; vendor quote
	Verizon Inspectors		\$65	27950	\$1,816,750	\$0	\$1,816,750	\$1,816,750	6. Inspection fees Unit cost per hour; vendor quote
			\$0		\$0	\$0	\$0	\$0	

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SERVICE AREA or COMMON NETWORK FACILITIES:		Match (Cash/In-kind)	Unit Cost	No. of Units	Total Cost	Last Mile Allocation	Middle Mile Allocation	Allocated Total	SF-424C Budget Category	Support of Reasonableness
BUILDINGS										
New Construction			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
Pre-Fab Huts			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
Improvements & Renovs			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
Other			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
CUSTOMER PREMISE EQUIPMENT										
Modems			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
Set Top Boxes			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
Inside Writing			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
Other			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
BILLING SUPPORT AND OPERATIONS SUPPORT SYSTEMS										
Billing Support Systems			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
Customer Care Systems			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
Other Support			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		

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NTIA BTOP Round Two CCI (Winter 2010) - EasyGrant#:		5116	Applicant: OCTO DC-Net			Project Name: DC-Community Access Network (DC-CAN)				
SERVICE AREA or COMMON NETWORK FACILITIES:		Match (Cash/In-kind)	Unit Cost	No. of Units	Total Cost	Last Mile Allocation	Middle Mile Allocation	Allocated Total	SF-424C Budget Category	Support of Reasonableness
OPERATING EQUIPMENT										
Vehicles			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
Office Equipment / Furniture			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
Other			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
PROFESSIONAL SERVICES										
					\$4,267,993	\$0	\$4,267,993	\$4,267,993		
Engineering Design	DC-Net Engineering, Inspection		\$65	21,040	\$1,367,600	\$0	\$1,367,600	\$1,367,600	4. Architectural and engr.	Estimates; procurement list costs
	Fiber Splicing and Testing		\$65	581	\$37,765		\$37,765	\$37,765	7. Site work	Estimates; procurement list costs
	Network Configuration		\$90	450	\$40,500	\$0	\$40,500	\$40,500	4. Architectural and engr.	Estimates; internal labor
			\$0		\$0	\$0	\$0	\$0		
Project Management	Program Manager		\$90	1,920	\$172,800	\$0	\$172,800	\$172,800	1. Admin and Legal	Estimates; procurement list costs
	Project Manager		\$90	3,840	\$345,600	\$0	\$345,600	\$345,600	1. Admin and Legal	Estimates; procurement list costs
	Financial Analyst / Program Compliance		\$90	5,760	\$518,400	\$0	\$518,400	\$518,400	1. Admin and Legal	Estimates; procurement list costs
Consulting			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
Other	Install New DC-Net Sites		\$3,780	223	\$842,940	\$0	\$842,940	\$842,940	7. Site work	Labor for installation; estimates
	Upgrade Existing DC-Net Site (underserved area)		\$1,280	68	\$87,040	\$0	\$87,040	\$87,040	7. Site work	Labor for installation; estimates
	Upgrade Public Safety M-3,4 Sites		\$780	71	\$55,380	\$0	\$55,380	\$55,380	7. Site work	Labor for installation; estimates
	Upgrade Existing DC-Net Model1 Hub Site		\$4,560	18	\$82,080	\$0	\$82,080	\$82,080	7. Site work	Labor for installation; estimates
	Install DC-CAN DWDM		\$15,000	10	\$150,000	\$0	\$150,000	\$150,000	4. Architectural and engr.	Labor for installation; estimates
	Install DC-CAN MPLS Routers		\$780	10	\$7,800	\$0	\$7,800	\$7,800	4. Architectural and engr.	Labor for installation; estimates
	Install Wireless Core		\$624	5	\$3,120	\$0	\$3,120	\$3,120	4. Architectural and engr.	Labor for installation; estimates
	Install Handholes		\$8,000	60	\$480,000	\$0	\$480,000	\$480,000	7. Site work	Labor for fiber installation; estimates
					\$0			\$0		
	BTOP Application Submission	In-kind Match	\$115	536	\$61,640	\$0	\$61,640	\$61,640	11. Misc.	Costs of BTOP application preparation
	Plug entry	In-kind Match	\$1	328	\$328	\$0	\$328	\$328	11. Misc.	Plug, round up to nearest 000
	ARRA/BTOP Compliance, Report	Cash Match	\$75	200	\$15,000	\$0	\$15,000	\$15,000	11. Misc.	New procedures for ARRA compliance
TESTING										
					\$60,300	\$0	\$60,300	\$60,300		
Network Elements	Network Testing		\$90	220	\$19,800	\$0	\$19,800	\$19,800	4. Architectural and engr.	Estimates, based on experience
	Network Turnup / Testing		\$90	450	\$40,500	\$0	\$40,500	\$40,500	4. Architectural and engr.	Estimates, based on experience
			\$0		\$0	\$0	\$0	\$0		
IT System Elements			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
User Devices			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
Test Generators			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
Lab Furnishings			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
Servers/Computers			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		

**NTIA BTOP Round Two - CCI #5116
OCTO DC-Community Access Network**

FINAL
March 22, 2010
6:00 PM Eastern

NTIA BTOP Round Two CCI (Winter 2010) - EasyGrant#:		5116	Applicant: OCTO DC-Net			Project Name: DC-Community Access Network (DC-CAN)				
SERVICE AREA or COMMON NETWORK FACILITIES:		Match (Cash/In-kind)	Unit Cost	No. of Units	Total Cost	Last Mile Allocation	Middle Mile Allocation	Allocated Total	SF-424C Budget Category	Support of Reasonableness
OTHER UPFRONT COSTS										
Site Preparation			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
Other			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
			\$0		\$0	\$0	\$0	\$0		
PROJECT TOTAL:					\$25,033,000	\$0	\$25,033,000	\$25,033,000		

SF-424C Cross-check Totals	
1. Admin and Legal	\$1,036,800
2. Land, structures	\$0
3. Relocation expenses	\$0
4. Architectural and engr.	\$1,629,320
5. Other archit. and engr.	\$0
6. Inspection fees	\$1,816,750
7. Site work	\$7,103,184
8. Demolition/removal	\$0
9. Construction	\$0
10. Equipment	\$13,369,978
11. Misc.	\$76,968
TOTAL SF-424C	\$25,033,000

Matching Contribution Cross-check Totals	
Federal Funding Request	\$17,457,942
Cash Match Contribution	\$7,513,090
In-kind Match Contribution	\$61,968
Total Match Pctg	30.26%
TOTAL SOURCES OF FUNDS	\$25,033,000

30.01%
0.25%

SF-424C Difference: \$0

Sources of Funds Difference: \$0

Approach to allocating Last Mile and Middle Mile costs:

As this is exclusively a middle-mile project, with last-mile enablement, there are no last-mile costs. All project costs are therefore accounted as allocated to Middle Mile, exclusively.

BTOP Comprehensive Community Infrastructure Service Offerings and Competitor Data Template

Please complete the complete the following worksheets--either of the Last Mile or Middle Mile Service Offerings worksheets may be omitted if the applicant is not proposing to provide service of that type.

For both the Last Mile and Middle Mile Service Offerings worksheets, the service offerings should include all relevant tiers and markets (*e.g.* residential, business, wholesale). Applicants should be sure to include details on any services that would be offered at discounted rates to particular classes of customers (*e.g.* community anchor institutions or third party service providers).

In the Last Mile Service Offerings worksheet, applicants are required to provide estimated average end user speeds. Average speeds should be the average sustained actual, non-burst speed that the end user would receive during a peak hour. For purposes of calculating these speeds, applicants should utilize their subscriber projections for year eight of the project, and develop subscriber utilization projections that are consistent with any additional services the applicant plans to offer. For wireless broadband services, this speed should be an average of the speeds available across the entire cell. Beyond these general guidelines, due to the multiplicity of technical solutions that may be proposed, the applicants may use discretion to determine the most reasonable manner to estimate actual speeds on their network. Applicants should explain the underlying assumptions used to calculate the average speeds in the space provided.

In the Competitor Data worksheet, applicants are required to provide data on both last mile and middle mile service providers, regardless of whether the applicant proposes to offer both last mile and middle mile services. In the column titled Service Areas Where Service Offered, applicants should list all of the Last Mile and Middle Mile Service Areas within their Proposed Funded area in which the listed services are available. Please ensure that the Service Area names are consistent with those provided within the application and the Service Areas attachment. If the actual availability of the listed services is limited (*e.g.* the service is only available within part of a Last Mile or Middle Mile Service Area), note this in the Other Comments column.

In contrast to several other attachment templates in this application, the data provided via this template will NOT be subject to automated processing. These templates worksheets are provided to demonstrate the level of data required and to provide a suggested format. Applicants are permitted to modify the template layouts in order to provide the most effective presentation of the data for their specific project. Applicants should, however, ensure that they provide at least as much data as these templates require. To the extent that you modify these templates please ensure that the print layouts are adjusted so that rows do not break across pages in a manner that will be difficult to understand. It is recommended that you provide these documents in PDF format when submitting a copy of your application on an appropriate electronic medium, such as a DVD, ROM, or flash drive.

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Proposed Middle Mile Service Offerings

Name of Service Offering	Distance Band or Point to Point	Minimum Peak Load Network Bandwidth Capacity (Mbps)	Monthly Pricing (\$)	Other Comments/Description/Features or Limitations
Layer 1				
Dark Fiber Service	Distance Band	N/A	Avg \$175 per strand per mile	Price varies based on construction costs in each ward. Pricing in underserved areas of ward 5,7 and 8 are lower than other wards.
Wavelength	Point-to-Point	1 Gbps	\$4,500 per access node	Wavelengths can be shared or dedicated and configured in a point to point or point to multipoint fashion as desired. Wavelengths are provisioned over a ring between desired locations as protected or unprotected. Peering can be done using Ethernet, FC/FICON, SONET or direct wave (OTN) interfaces. Bandwidth at 2.5 Gbps. Features: Physical path redundancy, dedicated 24 by 7 monitoring. 99.999% availability. Direct connectivity to District government data centers for District government services and resources; direct connectivity to core exchanges, available public and private peering points for interconnection and offsite data storage/recovery; private connection to other District government and community anchors on network; Edu-Net access for educational institutions - ability to peer with Internet(2), Mid-Atlantic Exchange (MAX GigaPOP), National Public LightPath, National LambdaRail.
		2.5 Gbps	\$5,200 per access node	Same as 1 Gbps wavelength service. Bandwidth at 2.5 Gbps
		10 Gbps	\$6,000 per access node	Same as 2.5 Gbps wavelength service. Bandwidth at 10 Gbps
Layer 2				
Layer 2 Service	Point-to-Point or Point-to-Multipoint	100 Mbps	\$2,200 per access site	Layer 2 services offered over the MPLS platform built over a protected DWDM ring. Can be configured as point to point or point to multipoint. Features: Physical path redundancy, dedicated 24 by 7 monitoring. 99.999% availability. Direct connectivity to District government data centers for District government services and resources; direct connectivity to core exchanges, available public and private peering points for interconnection and offsite data storage/recovery; private connection to other District government and community anchors on network; Edu-Net access for educational institutions - ability to peer with Internet(2), Mid-Atlantic Exchange (MAX GigaPOP), National Public LightPath, National LambdaRail.
		1 Gbps	\$3,200 per access site	Same as 100 Mbps EoMPLS. Bandwidth at 1 Gbps
		10 Gbps	ICB	Same as 100 Mbps EoMPLS. Bandwidth at 10 Gbps
Layer 3				

DC Community Access Network (DC-CAN)

VPN	Point-to-Point or Point-to-Multipoint	2 Mbps	\$400	Physical path redundancy; 24x7 network monitoring and customer support; guaranteed quality of service and packet delivery suitable for all traffic (including VoIP); demonstrated 99.995% network uptime past performance; Internet connectivity; Direct connectivity to District government data centers for District government services and resources; direct connectivity to core exchanges, available public and private peering points for interconnection and offsite data storage/recovery; private connection to other District government and community anchors on network; Edu-Net access for educational institutions - ability to peer with Internet(2), Mid-Atlantic Exchange (MAX GigaPOP), National Public LightPath, National LambdaRail; HIPAA-Net access for health customers; Public Safety-Net access for public safety entities; can be accessed at neutral collocation facility in underserved area, if desired.
		10 Mbps	\$600	Same as 2 Mbps VPN Access service
		100 Mbps	\$1,995	Same as 2 Mbps VPN Access service
		1 Gbps	\$4,995	Same as 2 Mbps VPN Access service
		10 Gbps	ICB	Same as 2 Mbps VPN Access service

Competitor Data

Competitor Data - Last Mile Service Providers

Service Provider	Service Areas Where Service Available	Technology Platform	Service Tiers	Downstream Speed	Monthly Pricing	Other Comments/Description/Features or Limitations
RCN	All four quadrants of Washington DC: NW, NE, SE, and SW	Hybrid Fiber Coax	Basic	1.5 Mbps	\$17.50	
			Mid	10 Mbps	\$32.45	
			High	20 Mbps	\$65.50	
RCN	All four quadrants of Washington DC: NW, NE, SE, and SW	Hybrid Fiber Coax	Low	1.5 Mbps	\$22.99	12 mo contract pricing; retail rates after 1 year
			Mid	10 Mbps	\$32.99	
			High	20 Mbps	\$52.99	
Verizon	All four quadrants of Washington DC: NW, NE, SE, and SW	DSL	Basic	1 Mbps	\$29.99	
			Mid	3 Mbps	\$39.99	
			High	7.1 Mbps	\$49.99	
Comcast	All four quadrants of Washington DC: NW, NE, SE, and SW	Hybrid Fiber Coax	Basic	1 Mbps	\$24.95	
			Mid	12 Mbps	\$42.95	
			High	16 Mbps	\$52.95	
Earthlink	All four quadrants of Washington DC: NW, NE, SE, and SW		Basic	56 Kbps	\$21.95	Dial-up
			Mid	1.5 Mbps	\$39.95	DSL
			High	5 Mbps	\$59.99	Satellite

Competitor Data - Middle Mile Service Providers

Service Provider	Service Areas Where Service Available	Technology Platform	Service Tiers	Distance Band or Point-to-Point	Minimum Peak Load Network Bandwidth Capacity	Pricing	Other Comments/Description/Features or Limitations
AT&T	Northwest Washington DC	MPLS		Point to Point	1.5 Mbps	\$665	This is a generic service pricing provided by AT&T. AT&T did not confirm if it will provide the services in the Southeast/Northeast areas of DC and/or any portions of their service that will be provisioned over Verizon network.
FiberLight	Northwest Washington DC						No fiber availability in underserved area and is either unable to provide service or would provide service over Verizon's network.
Global Crossing	All four quadrants of Washington DC: NW, NE, SE, and SW	MPLS	Entry Level	100 Mbps	100 Mbps	\$9,475.00	Global crossing indicated that they do have fiber in the areas of Southeast/ Northeast DC over which middle-mile services can be provided. The pricing provided here is based on their MPLS service.
Level3	All four quadrants of Washington DC: NW, NE, SE, and SW	Long Haul Fiber Network	Entry Level	100 Mbps	100 Mbps	Not available	Fiber infrastructure not present in underserved area. To obtain service customer would have to pay for fiber to be built into customer premises as a Non recurring charge. Speeds as advertised by provider.
			Highest Speed Plan	10,000 Mbps	10,000 Mbps	Not available	
			Other Plans (eg. Middle Tier)	2,500 Mbps	2,500 Mbps	Not available	
RCN	All four quadrants of Washington DC: NW, NE, SE, and SW	Hybrid Fiber Coax	Entry Level	100 Mbps	100 Mbps	\$2,580	Fiber infrastructure not widely present in underserved area. To obtain service customer would have to pay for fiber to be built into customer premises as a Non recurring charge. Speeds as advertised by provider. Pricing based on GSA schedule.
			Highest Speed Plan	10,000 Mbps	10,000 Mbps	\$23,154	
			Other Plans (eg. Middle Tier)	2,500 Mbps	2,500 Mbps	\$7,800	
TW Telecom	Northwest Washington DC	MPLS					No fiber availability in underserved area and is either unable to provide service or would provide service over Verizon's network. Indicated that it has no future expansion plans for fiber in SE or NE Washington DC
Verizon	All four quadrants of Washington DC: NW, NE, SE, and SW	TLS	Entry Level	10 Mbps	10 Mbps	\$1,000	Verizon provided no response for request for MPLS services. While Verizon is the ILEC in SE and NE Washington DC, it did not confirm the extent of fiber availability in these areas and/or where it will provide services in these areas. Also previous research has revealed that fiber infrastructure is not widely present in underserved area. The pricing provided here is for a Transparent LAN service (TLS). To obtain LAN service customer would have to pay for fiber to be built into customer premises as a Non recurring charge. Speeds as advertised by provider. Pricing is based on GSA schedule.
			Highest Speed Plan	1,000 Mbps	1,000 Mbps	\$4,200	
			Other Plans (eg. Middle Tier)	100 Mbps	100 Mbps	\$2,250	
Zayo Bandwidth	Northwest Washington DC	MPLS					No fiber availability in underserved area and is either unable to provide service or would provide service over Verizon's network. Provider also mentioned that it does not have any plans to expand into further areas in Washington DC.



Comprehensive Community Infrastructure Budget Narrative

Applicant Name: District of Columbia Government
Office of Chief Technology Officer (DC OCTO)

EasyGrants Number: 5116
DC Community Access Network

Organization Type: District of Columbia

Proposed Period of Performance: 30 Months
(FY 2011-Q1 – FY 2013-Q2)

Total Project Costs: \$25,033,000

Total Federal Grant Request: \$ 17,457,942

Total Matching Funds (Cash): \$ 7,513,090

Total Matching Funds (In-Kind): \$ 61,968

Total Matching Funds (Cash + In-Kind): \$ 7,575,058

Total Matching Funds (Cash + In-Kind) as Percentage of Total Project Costs: 30.26 %

1. Administrative and legal expenses - \$1,036,800

- 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.

Administrative expenses are budgeted at \$1,036,800, for three labor categories. Program Manager will be roughly half-time over the two-and-a-half year project schedule (30 months); unit costs are based on procurement schedules. Project manager will be full-time for duration of project; again, unit costs are list prices. Financial analyst and compliance analyst will be responsible for financial controls, and satisfying compliance, reporting and other obligations imposed by acceptance of the BTOP grant.

Admin & Legal: Staff	Hours	Years	Rate	Total Cost
Program Manager	1,920	2.25	\$90 / hour	\$ 172,800
Project Manager	3,840	2.25	\$90 / hour	\$ 345,600



Financial Analyst / Compliance Analyst	5,760	2.25	\$90 / hour	\$518,400
TOTAL:				\$ 1, 036,800

Services to support legal, contract review and other administrative matters will be supported by existing District of Columbia staff.

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

No cash matching funds are committed for this expense category. It is entirely funded by BTOP grant money.

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

No in-kind matching funds are committed for this expense category. It is entirely funded by BTOP grant money.

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

In this CCI Application for DC-CAN, there are no project expenses assigned to “Land, Structure, Rights-of-Way, Appraisals, etc.”.

3. Relocation expenses and payment - \$ 0

In this CCI Application for DC-CAN, there are no project expenses assigned to “Relocation Expenses and Payments”.

4. Architectural and engineering fees - \$ 1,629,320

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

Architectural and Engineering Fees	Hours	Years	Rate	Total Cost
Engineering Services – services for fiber bundle installations, allocations	21,040	9.0	\$65 / hour	\$ 1,367,600
Network Configuration – configuration and implementation of base network infrastructure	450	0.25	\$90 / hour	\$ 40,500
Install DC-CAN DWDM Multiplexing Systems	10 instances	Not Applicable	\$15,000 / installation	\$ 150,000



– enable efficient fiber management and capacity management				
Install DC-CAN MLPS Routers – support communications infrastructure	10 instances	Not Applicable	\$ 780 / installation	\$ 7,800
Install Wireless Core	5 instances	Not Applicable	\$624 / installation	\$ 3,120
Network Turn-up and Assurance	450	0.25	\$ 90 / hour	\$ 40,500
Network Testing	220	0.12	\$ 90 / hour	\$ 19,800
TOTAL:				\$ 1,629,320

Unit costs are based on contract rate schedules; work efforts are based on experience within DC-Net.

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

No cash matching funds are committed for this expense category. It is entirely funded by BTOP grant money.

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

No in-kind matching funds are committed for this expense category. It is entirely funded by BTOP grant money.

5. Other architectural and engineering fees - \$ 0

In this CCI Application for DC-CAN, there are no project expenses assigned “Other Architectural and Engineering Fees”.

6. Project inspection fees - \$ 1,816,750

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

Project Inspection Fees	Hours	Years	Rate	Total Cost
Verizon Inspectors	27950	13.0	\$ 65 / hour	\$ 1,816,750
TOTAL:				\$ 1,816,750

A core strategy of the DC-CAN proposal is the intent to run new fiber bundles only through existing Verizon conduit. This eliminates the need for new construction, minimizes service interruptions, and



eliminates disruption to environment. As DC-Net personnel (primarily contractors) will be installing new fiber, DC-CAN will arrange for Verizon inspectors to be on-site during fiber pulls, splices, etc., and to sign off that new infrastructure was successfully completed, and did not impact Verizon, or other, service. This expense funds those Verizon inspection efforts.

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

No cash matching funds are committed for this expense category. It is entirely funded by BTOP grant money.

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

No in-kind matching funds are committed for this expense category. It is entirely funded by BTOP grant money.

7. Site work - \$ 7,103,184

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

Site Work	Units	Years	Rate	Total Cost
Underground Fiber Installation	503,200	c. 14	\$ 8.24 / foot	\$ 4,146,368
Aerial Fiber Installation	318,250	c. 5	\$3.86 / foot	\$ 1,228,445
ISP Costs	66,900	c. 1.5	\$ 2.14 / foot	\$ 143,166
Fiber Splicing and Testing	581	c. 0.3	\$ 65 / hour	\$ 37,765
Install New DC-Net Sites	223	c. 0.5	\$ 3,780 / site	\$ 842,940
Upgrade Existing DC-Net Sites (underserved)	68	c. 0.2	\$ 1,280 / site	\$ 87,040
Upgrade Public Safety M-3,-4 Sites	71	c. 0.2	\$ 780 / site	\$ 55,380
Upgrade Existing DC-Net Model1 Hub Site	18	c. 0.4	\$ 4,560 / site	\$ 82,080
Install Hand-holes	60	c. 2.8	\$ 8,000 / unit	\$ 480,000
TOTAL:				\$ 7,103,184

Unit costs are based on contract rate schedules; work efforts are based on experience within DC-Net.



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

No cash matching funds are committed for this expense category. It is entirely funded by BTOP grant money.

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

No in-kind matching funds are committed for this expense category. It is entirely funded by BTOP grant money.

8. Demolition and Removal - \$ 0

In this CCI Application for DC-CAN, there are no project expenses assigned "Demolition and Removal Fees".

9. Construction - \$ 0

In this CCI Application for DC-CAN, there are no project expenses assigned to "Construction". All new fiber will be pulled through existing telecommunications conduits. All fiber equipment and installation costs are recorded under #7 – Site Work.

10. Equipment - \$ 13,369,978

- 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 following table lists all equipment for purchase for the DC-CAN project. All equipment will be purchased (none leased). All unit costs have either been sourced from Procurement Office, or obtained via quotation from supplying vendor.

Quantities were derived based on planned configuration for each site, multiplied by the number of sites (newly added; upgraded; etc). These site counts are based upon the planned set of Community Anchor Institutions, Points of Inter-Connections, and core DC-Net processing centers.

Total equipment cost is \$13,369,978.

Requested BTOP grants will fund \$ 5,871,888, and the remaining balance of \$ 7,498,090 will be funded by OCTO's cash match contribution. In the right hand column, the four sets of equipment which will be purchased using the District's Cash Match have "YES" in their cells, which are also colored yellow.



Equipment Type, Model	Unit Price	Quantity	Extended	Pricing Source	Cash Match
Cisco 3560 24 10/100 PoE + 2 SFP + IPS Image	\$5,790	291	\$1,684,890	DC cost per unit	Yes
GE SFP LC connector LX/LH transceiver (four)	\$565	1164	\$657,660	DC cost per unit	
Cisco 1520 Outdoor Series (w/ hardware)	\$3,500	291	\$1,018,500	DC cost per unit	
Chassis 4507R-E	\$5,497	3	\$16,491	DC cost per unit	
Supervisor (WS-X45-SUP6-E)	\$10,997	6	\$65,982	DC cost per unit	
IOS (S45EESK9-12250SG)	\$6,000	3	\$18,000	DC cost per unit	
48 Port PoE Blades (WS-X4648-RJ45V+E)	\$4,122	6	\$24,732	DC cost per unit	
SFP (GLC-LH-SM)	\$565	12	\$6,780	DC cost per unit	
Cisco 7606 redundant system 2RSP720-3CXL, 2PS	\$51,750	18	\$931,500	DC cost per unit	
48-port SFP Gigabit (two)	\$18,750	36	\$675,000	DC cost per unit	
48-port SFP FastEthernet (two)	\$6,750	36	\$243,000	DC cost per unit	
10GBASE-LR X2 Module (four)	\$3,000	72	\$216,000	DC cost per unit	
MPLS VPN: ASR 9010 (Super Core sites)	\$303,400	2	\$606,800	DC cost per unit	Yes
MPLS VPN: ASR-9006 (Core Sites)	\$249,550	8	\$1,996,400	DC cost per unit	Yes
DWDM: 10 sites 40-channel Ciena 4200 RS	\$321,000	10	\$3,210,000	DC cost per unit	Yes
Hubbell RE-BOX wall enclosure	\$357	223	\$79,611	DC cost per unit	
Patch Panel mounting bracket	\$40	223	\$8,920	DC cost per unit	
Equipment mounting bracket	\$46	223	\$10,258	DC cost per unit	
APC SMART UPS 1000 Rack Mount	\$507	223	\$113,061	DC cost per unit	
Network Management Card	\$224	223	\$49,952	DC cost per unit	
Mounting hardware/patch cord(s)/etc.	\$100	223	\$22,300	DC cost per unit	
Power (PWR-C45-1400DC-P)	\$960	6	\$5,760	DC cost per unit	
48-volt 155-aH battery string (two)	\$1,825	36	\$65,700	DC cost per unit	
Battery tray (two)	\$196	36	\$7,056	DC cost per unit	
Circuit Breaker 100-amp (5)	\$32	90	\$2,880	DC cost per unit	
48v 50amp rectifier module (two)	\$995	36	\$35,820	DC cost per unit	
Cisco 5500 Series Wireless Controller Redundant Power Supply	\$897	5	\$4,485	DC cost per unit	
Cisco 5508 Series Wireless Controller for up to 250 APs	\$38,997	5	\$194,985	DC cost per unit	
CAN Backbone Fiber Materials	\$2.10	303,250	\$636,825	Fiber bundles	
Access Loops	\$1.30	585,100	\$760,630	Fiber bundles	
TOTALS			\$13,369,978		
TOTAL BTOP Federal Grant				\$ 5,871,888	
TOTAL DC Cash Match				\$ 7,498,090	



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

\$ 7,498,090 in District of Columbia cash will be used as a matching contribution toward the DC-CAN project. The source of the funds will be District of Columbia Government.

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

No in-kind matching funds are committed for this expense category. It is entirely funded by BTOP grant money, and by District of Columbia cash match, as indicated above.

11. Miscellaneous - \$ 76,968

- Provide additional information as needed.

DC-CAN has accounted for three project cost items in its budget, as listed in the following table.

Miscellaneous	Hours	Years	Rate	Total Cost
BTOP Application and Proposal Preparation	536	0.25	\$ 115 / hour	\$ 61,640
Plug entry, to round proposal to nearest 000.				\$ 328
Policy and Procedure Changes to support ARRA / BTOP Compliance and Transparency obligations	200	0.10	\$ 75 / hour	\$ 15,000
TOTAL:				\$ 76,968

Re BTOP Application and Proposal Preparation, three contractors worked approximately four-and-a-half weeks to construct the proposal and application. Estimated at 536 person hours, at a blended average cost of \$115 / hour, BTOP proposal development costs are estimated at \$61,640. This item is being classified as an in-kind match, and no BTOP funds will be used for this.

\$328 was added to the budget as a plug entry, to bring the project cost to an even thousand dollars. This, too, is being classified as an in-kind match, and no BTOP funds will be used for this.

Re Policy and Procedure Changes, in the event of a BTOP grant award, it is expected that changes will be required to support new financial controls, additional financial reports, quarterly submissions to Recovery.gov, and other compliance obligations associated with acceptance of a grant. District of Columbia estimates 200 hours at \$75 per hour, or \$15,000, to implement these changes. This item is being classified as a cash match, and no BTOP funds will be used for this.



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

The \$15,000 for Policy and Procedure Changes, to support implementation of ARRA and BTOP compliance and transparency efforts, are being classified as Cash Match. Source of these funds is the budget of the District of Columbia Office of the Chief Technology Officer (OCTO).

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

The \$61,640 for the legitimate costs of the BTOP Application Preparation (from late January NOFA to submission) are being classified as in-kind matching funds. In addition, the \$328 plug entry is classified as in-kind matching, as well, for a total of \$61,968. Source of these funds is the budget of the District of Columbia Office of the Chief Technology Officer (OCTO).

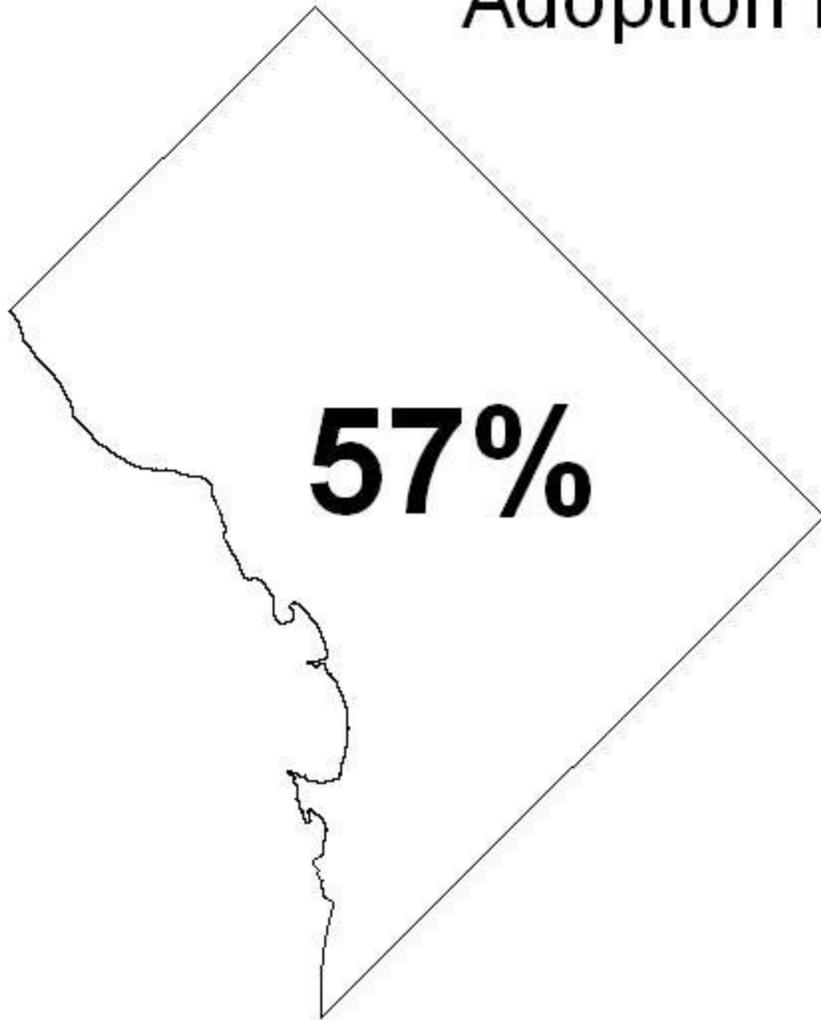
13. Contingencies - \$ 0

In this CCI Application for DC-CAN, there are no project expenses assigned to "Contingencies".

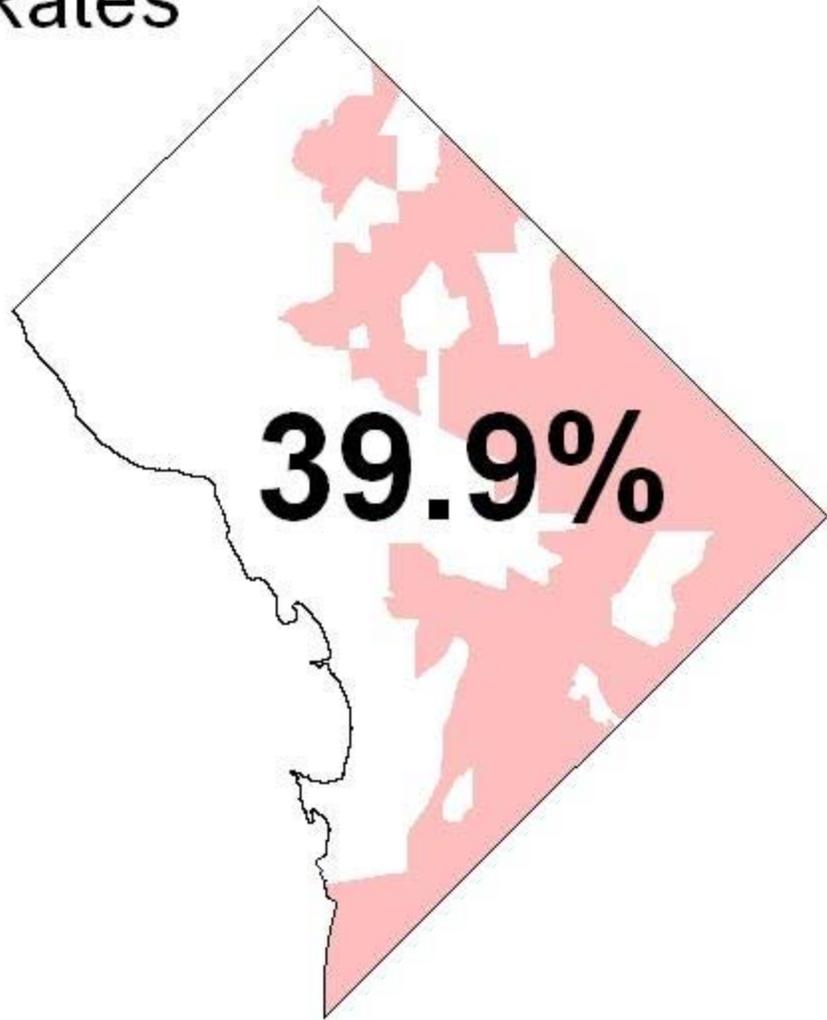
15. Project (program) income - \$0

In this CCI Application for DC-CAN, there is no program income expected, or recorded in this category.

Adoption Rates



Entire District



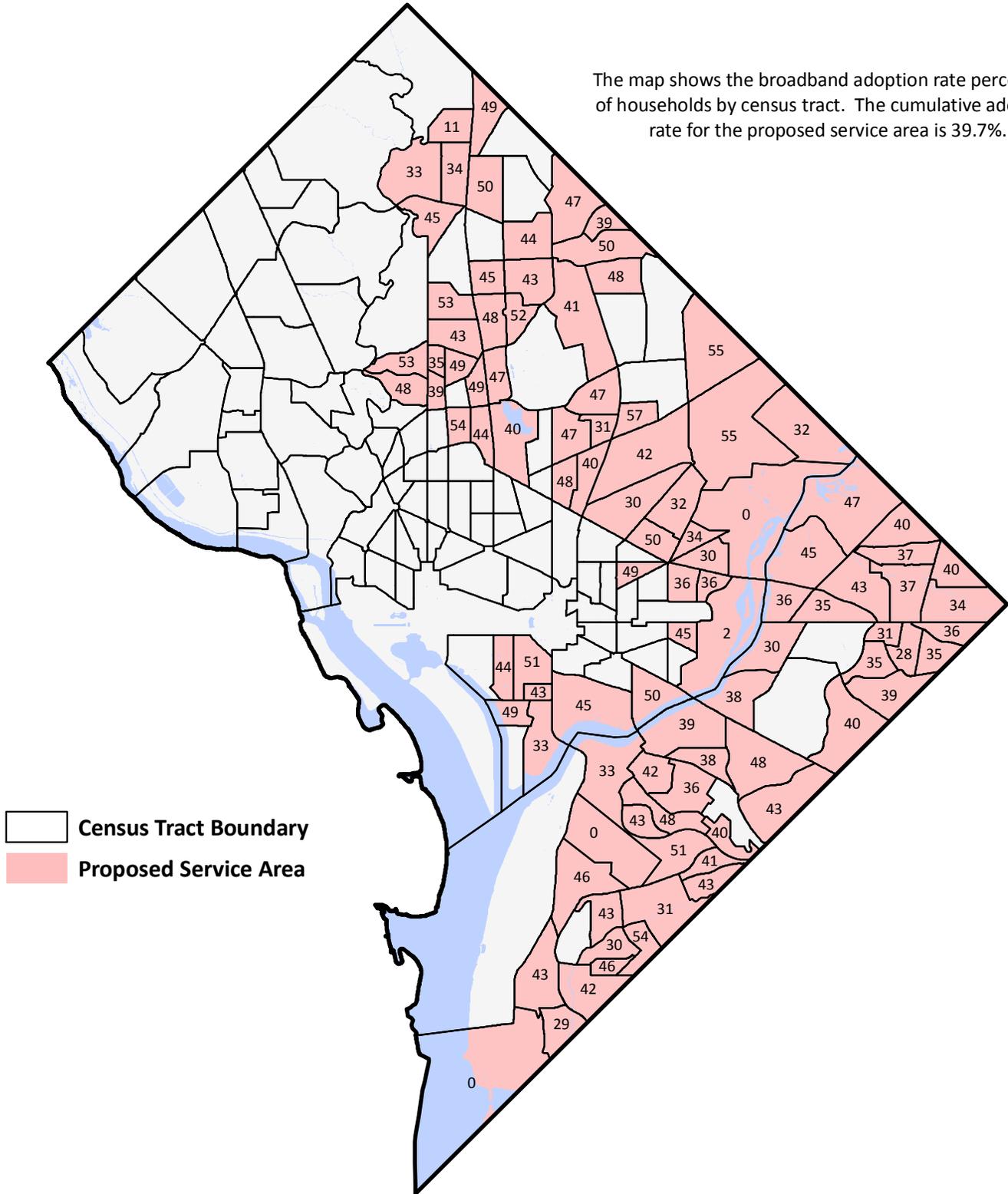
Underserved Service Area



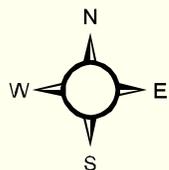
District of Columbia Broadband Adoption Rate by Census Tract



The map shows the broadband adoption rate percentage of households by census tract. The cumulative adoption rate for the proposed service area is 39.7%.

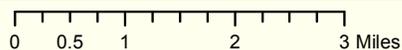


Source: 2000 Census; FCC Form 477 12/31/2008 from major providers to the District of Columbia Public Service Commission



1 inch = 1.7 miles

Scale: 1:110,000



Source:
Office of the Chief Technology Officer (OCTO)

Prepared by: DC GIS

Date: March 24, 2010

Coordinate System:
NAD 1983 StatePlane Maryland FIPS 1900

Information on this map is for illustration only. The user acknowledges and agrees that the use of this information is at the sole risk of the user. No endorsement, liability, or responsibility for information or opinions expressed are assumed or accepted by any agency of the DC Government.

BTOP Comprehensive Community Infrastructure Service Area Template

Please complete the complete the CCI Service Area worksheet. In each line you will provide name of a service area and one of the contiguous Census tracts or block groups that make u service area. Please provide full 11-digit Census tract numbers, includes the 2-digit State FIF the 3-digit county code, followed by a unique 6-digit tract number. For Census block group: please provide the full tract number, plus the 1-digit block group number (12 digits total). If more than one Census tract or block group in a service area, there will be multiple lines in th for that service area. It is critical that the service area names provided in this table match w service area names provided in the Service Area Details page of the application. Please revie document and Service Area Details page for consistency before submitting your application.

Important Note: Excel truncates leading zeros from numbers. Consequently, the tract/block column on the worksheet has been formatted as text. This formatting should not be altered validity of your data may be compromised.

The data provided via this attachment will be subject to automated processing. Applicants a therefore required to provide this attachment as an Excel file, and not to convert it to a PDF submitting a copy of your application on an appropriate electronic medium, such as a DVD, (ROM, or flash drive. Additionally, Applicants should not modify the format of this file (*e.g.*, l adding or removing worksheets). Do not leave blank lines in the table between service area

EXAMPLE

Service Area Name	Tract or Block Group #
Big BB Project South	01001020100
Big BB Project South	01001020100
Big BB Project South	010010202001
Big BB Project West	01001020400
Big BB Project North	01001020800
Big BB Project North	010010209002

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BTOP CCI Service Area Template

Title: **DC-Community Access Network**
 Easy Grants ID: **5116**

Service Area Name	Tract or Block Group #
Disadvantaged Wards	11001001701
Disadvantaged Wards	11001001801
Disadvantaged Wards	11001001803
Disadvantaged Wards	11001001804
Disadvantaged Wards	11001001901
Disadvantaged Wards	11001002001
Disadvantaged Wards	11001002102
Disadvantaged Wards	11001002201
Disadvantaged Wards	11001002202
Disadvantaged Wards	11001002301
Disadvantaged Wards	11001002400
Disadvantaged Wards	11001002501
Disadvantaged Wards	11001002502
Disadvantaged Wards	11001002701
Disadvantaged Wards	11001002702
Disadvantaged Wards	11001002801
Disadvantaged Wards	11001002802
Disadvantaged Wards	11001002900
Disadvantaged Wards	11001003100
Disadvantaged Wards	11001003200
Disadvantaged Wards	11001003400
Disadvantaged Wards	11001003500
Disadvantaged Wards	11001003600
Disadvantaged Wards	11001006001
Disadvantaged Wards	11001006002
Disadvantaged Wards	11001006100
Disadvantaged Wards	11001006301
Disadvantaged Wards	11001006400
Disadvantaged Wards	11001006801
Disadvantaged Wards	11001006804
Disadvantaged Wards	11001007100
Disadvantaged Wards	11001007200
Disadvantaged Wards	11001007302
Disadvantaged Wards	11001007304
Disadvantaged Wards	11001007308
Disadvantaged Wards	11001007401
Disadvantaged Wards	11001007403
Disadvantaged Wards	11001007404
Disadvantaged Wards	11001007406
Disadvantaged Wards	11001007407
Disadvantaged Wards	11001007408
Disadvantaged Wards	11001007409
Disadvantaged Wards	11001007503
Disadvantaged Wards	11001007504
Disadvantaged Wards	11001007601
Disadvantaged Wards	11001007603
Disadvantaged Wards	11001007604
Disadvantaged Wards	11001007605
Disadvantaged Wards	11001007707
Disadvantaged Wards	11001007708
Disadvantaged Wards	11001007709
Disadvantaged Wards	11001007803
Disadvantaged Wards	11001007804
Disadvantaged Wards	11001007806
Disadvantaged Wards	11001007807
Disadvantaged Wards	11001007808
Disadvantaged Wards	11001007809
Disadvantaged Wards	11001007901
Disadvantaged Wards	11001007903
Disadvantaged Wards	11001008402
Disadvantaged Wards	11001008701
Disadvantaged Wards	11001008702
Disadvantaged Wards	11001008802
Disadvantaged Wards	11001008803
Disadvantaged Wards	11001008804
Disadvantaged Wards	11001008903
Disadvantaged Wards	11001008904
Disadvantaged Wards	11001008905
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Disadvantaged Wards	11001009101
Disadvantaged Wards	11001009102
Disadvantaged Wards	11001009201
Disadvantaged Wards	11001009203
Disadvantaged Wards	11001009204
Disadvantaged Wards	11001009302
Disadvantaged Wards	11001009400
Disadvantaged Wards	11001009501
Disadvantaged Wards	11001009505
Disadvantaged Wards	11001009507
Disadvantaged Wards	11001009508

Service Area Name	Tract or Block Group #
Disadvantaged Wards	11001009509
Disadvantaged Wards	11001009601
Disadvantaged Wards	11001009602
Disadvantaged Wards	11001009603
Disadvantaged Wards	11001009604
Disadvantaged Wards	11001009700
Disadvantaged Wards	11001009801
Disadvantaged Wards	11001009802
Disadvantaged Wards	11001009804
Disadvantaged Wards	11001009806
Disadvantaged Wards	11001009807
Disadvantaged Wards	11001009808
Disadvantaged Wards	11001009809
Disadvantaged Wards	11001009902
Disadvantaged Wards	11001009903
Disadvantaged Wards	11001009904
Disadvantaged Wards	11001009905
Disadvantaged Wards	11001009906
Disadvantaged Wards	11001009907

**5116-CCI DC-CAN
DC Community Access Network**

March 24, 2010

ID	Task Name	Duration	Start	Finish	Predecessors	Jul 12, '09		Aug 23, '09		Oct 4, '09		Nov 15	
						12	30	17	4	22	10	28	15
1	5116-CCI DC-CAN COMPOSITE PROJECT PLAN	621 days	Mon 10/4/10	Mon 3/18/13									
2	DC-CAN Core Ring	621 days	Mon 10/4/10	Mon 3/18/13									
3	006-014	361 days	Mon 10/4/10	Tue 3/13/12									
4	006-014 Network Design	10 days	Mon 10/4/10	Fri 10/15/10									
5	006-014 Site Preparation	5 days	Mon 10/4/10	Fri 10/8/10	4SS								
6	006-014 Equipment Procurement	60 days	Mon 10/4/10	Thu 12/30/10									
7	006-014 ISP/Equipment Deployment	10 days	Mon 1/3/11	Fri 1/14/11	6								
8	006-014 OSP Deployment (Underground Survey)	85 days	Mon 10/11/10	Mon 2/14/11									
9	006-014 OSP Deployment (Underground Buildou)	340 days	Tue 10/19/10	Mon 2/27/12	8SS+5 days								
10	006-014 Network Testing and Turnup	10 days	Tue 2/28/12	Mon 3/12/12	7FS+2 days,9								
11	006-014 Network Complete	1 day	Tue 3/13/12	Tue 3/13/12	10								
12	014-253	173 days	Mon 10/4/10	Mon 6/13/11									
13	014-253 Network Design	10 days	Tue 10/19/10	Mon 11/1/10	4								
14	014-253 Site Preparation	5 days	Tue 10/19/10	Mon 10/25/10	13SS,5								
15	014-253 Equipment Procurement	60 days	Mon 10/4/10	Thu 12/30/10									
16	014-253 ISP/Equipment Deployment	15 days	Tue 1/18/11	Mon 2/7/11	7,15								
17	014-253 OSP Deployment (Underground Survey)	36 days	Fri 10/22/10	Tue 12/14/10	13SS+3 days								
18	014-253 OSP Deployment (Underground Placern)	144 days	Fri 10/29/10	Thu 5/26/11	17SS+5 days								
19	014-253 Network Testing and Turnup	10 days	Fri 5/27/11	Fri 6/10/11	16FS+2 days,18								
20	014-253 Network Complete	1 day	Mon 6/13/11	Mon 6/13/11	19								
21	253-248	343 days	Mon 10/4/10	Thu 2/16/12									
22	253-248 Network Design	10 days	Tue 11/2/10	Mon 11/15/10	13								
23	253-248 Site Preparation	5 days	Tue 11/9/10	Mon 11/15/10	22SS+5 days,14								
24	253-248 Equipment Procurement	60 days	Mon 10/4/10	Thu 12/30/10									
25	253-248 ISP/Equipment Deployment	15 days	Mon 1/9/12	Mon 1/30/12	16,27FS-15 days								
26	253-248 OSP Deployment (Underground Survey)	42 days	Wed 12/15/10	Tue 2/15/11	22SS+3 days,17								
27	253-248 OSP Deployment (Underground Placern)	168 days	Fri 5/27/11	Mon 1/30/12	26SS+5 days,18								
28	253-248 Network Testing & Turnup	10 days	Thu 2/2/12	Wed 2/15/12	25FS+2 days								
29	253-248 Network Complete	1 day	Thu 2/16/12	Thu 2/16/12	28								
30	248-003	411 days	Tue 11/16/10	Fri 7/6/12									
39	003-405	396 days	Thu 12/2/10	Thu 6/28/12									
48	405-304	503 days	Thu 12/16/10	Wed 12/12/12									
57	304-415	413 days	Mon 1/3/11	Tue 8/21/12									
66	415-001	452 days	Tue 1/18/11	Tue 10/30/12									
75	001-028	509 days	Tue 2/1/11	Thu 1/31/13									
84	028-006	532 days	Mon 2/14/11	Mon 3/18/13									
93													

Project: Community_Access_Network Date: Wed 3/24/10	Task		Milestone		External Tasks	
	Split		Summary		External Milestone	
	Progress		Project Summary		Deadline	

**5116-CCI DC-CAN
DC Community Access Network**

March 24, 2010

ID	Task Name	Duration	Start	Finish	Predecessors	Jul 12, '09		Aug 23, '09		Oct 4, '09		Nov 15	
						12	30	17	4	22	10	28	15
94	DC-CAN Access Loops	542 days	Mon 10/4/10	Tue 11/27/12									
95	Loop 250-234	111 days	Mon 10/4/10	Tue 3/15/11									
96	250-234 Network Design	24 days	Mon 10/4/10	Fri 11/5/10									
97	250-234 Site Preparation	24 days	Wed 10/6/10	Tue 11/9/10	96SS+2 days								
98	250-234 Equipment Procurement	60 days	Mon 10/4/10	Thu 12/30/10									
99	250-234 ISP/Equipment Deployment	12 days	Mon 1/3/11	Wed 1/19/11	98								
100	250-234 OSP Deployment (Aerial)	39 days	Mon 10/11/10	Tue 12/7/10									
101	250-234 Network Testing & Turnup	48 days	Wed 1/5/11	Mon 3/14/11	99SS+2 days								
102	250-234 Network Complete	1 day	Tue 3/15/11	Tue 3/15/11	101								
103	Loop 006-006	101 days	Mon 10/4/10	Tue 3/1/11									
104	006-006 Network Design	13 days	Mon 11/8/10	Wed 11/24/10	96								
105	006-006 Site Preparation	13 days	Wed 11/10/10	Tue 11/30/10	104SS+2 days								
106	006-006 Equipment Procurement	60 days	Mon 10/4/10	Thu 12/30/10									
107	006-006 ISP/Equipment Deployment	7 days	Thu 1/20/11	Fri 1/28/11	99,105FS-3 days,								
108	006-006 OSP Deployment (Aerial)	15 days	Wed 12/8/10	Wed 12/29/10	100,104SS+3 day:								
109	006-006 OSP Deployment (Underground Survey)	11 days	Fri 11/12/10	Tue 11/30/10	104SS+4 days								
110	006-006 OSP Deployment (Underground Placem)	44 days	Tue 11/23/10	Fri 1/28/11	109SS+7 days								
111	006-006 Network Test & Turnup	26 days	Mon 1/24/11	Mon 2/28/11	107SS+2 days								
112	006-006 Network Complete	1 day	Tue 3/1/11	Tue 3/1/11	111								
113	Loop 006-252	87 days	Mon 10/4/10	Wed 2/9/11									
123	Loop 355-256	121 days	Mon 10/4/10	Tue 3/29/11									
133	Loop 006-251	95 days	Mon 1/3/11	Tue 5/17/11									
143	Loop 006-007	125 days	Mon 1/3/11	Wed 6/29/11									
152	Loop 222-354	113 days	Mon 1/3/11	Mon 6/13/11									
162	Loop 248-225	302 days	Mon 1/3/11	Wed 3/14/12									
172	Loop 248-248	101 days	Fri 3/4/11	Wed 7/27/11									
181	Loop 003-003	230 days	Fri 3/4/11	Thu 2/2/12									
190	Point to Point	439 days	Fri 3/4/11	Tue 11/27/12									
191	PtP Network Design	42 days	Thu 7/7/11	Fri 9/2/11	182								
192	PtP Site Preparation	42 days	Thu 7/7/11	Fri 9/2/11	191SS								
193	PtP Equipment Procurement	60 days	Fri 3/4/11	Fri 5/27/11									
194	PtP ISP/Equipment Deployment	21 days	Fri 7/27/12	Fri 8/24/12	192FS-3 days,193								
195	PtP OSP Deployment (Aerial)	5 days	Wed 6/15/11	Tue 6/21/11	177								
196	PtP OSP Deployment (Underground Survey)	66 days	Tue 7/26/11	Thu 10/27/11	186,191SS+4 day:								
197	PtP OSP Deployment (Underground Placement)	264 days	Thu 8/4/11	Tue 8/21/12	196SS+7 days								
198	PtP Network Test & Turnup	84 days	Tue 7/31/12	Mon 11/26/12	194SS+2 days,19:								
199	PtP Network Complete	1 day	Tue 11/27/12	Tue 11/27/12	198								

Project: Community_Access_Network Date: Wed 3/24/10	Task		Milestone		External Tasks	
	Split		Summary		External Milestone	
	Progress		Project Summary		Deadline	

**5116-CCI DC-CAN
DC Community Access Network**

March 24, 2010

ID	Task Name	'09		Dec 27, '09		Feb 7, '10		Mar 21, '10		May 2, '10		Jun 13, '10		Jul 25, '10		Sep 5, '10		
		3	21	8	26	13	3	21	8	26	14	1	19	7	25	12	30	17
1	5116-CCI DC-CAN COMPOSITE PROJECT PLAN																	
2	DC-CAN Core Ring																	
3	006-014																	
4	006-014 Network Design																	
5	006-014 Site Preparation																	
6	006-014 Equipment Procurement																	
7	006-014 ISP/Equipment Deployment																	
8	006-014 OSP Deployment (Underground Survey																	
9	006-014 OSP Deployment (Underground Buildou																	
10	006-014 Network Testing and Turnup																	
11	006-014 Network Complete																	
12	014-253																	
13	014-253 Network Design																	
14	014-253 Site Preparation																	
15	014-253 Equipment Procurement																	
16	014-253 ISP/Equipment Deployment																	
17	014-253 OSP Deployment (Underground Survey																	
18	014-253 OSP Deployment (Underground Placem																	
19	014-253 Network Testing and Turnup																	
20	014-253 Network Complete																	
21	253-248																	
22	253-248 Network Design																	
23	253-248 Site Preparation																	
24	253-248 Equipment Procurement																	
25	253-248 ISP/Equipment Deployment																	
26	253-248 OSP Deployment (Underground Survey																	
27	253-248 OSP Deployment (Underground Placem																	
28	253-248 Network Testing & Turnup																	
29	253-248 Network Complete																	
30	248-003																	
39	003-405																	
48	405-304																	
57	304-415																	
66	415-001																	
75	001-028																	
84	028-006																	
93																		

Project: Community_Access_Network Date: Wed 3/24/10	Task		Milestone		External Tasks	
	Split		Summary		External Milestone	
	Progress		Project Summary		Deadline	

**5116-CCI DC-CAN
DC Community Access Network**

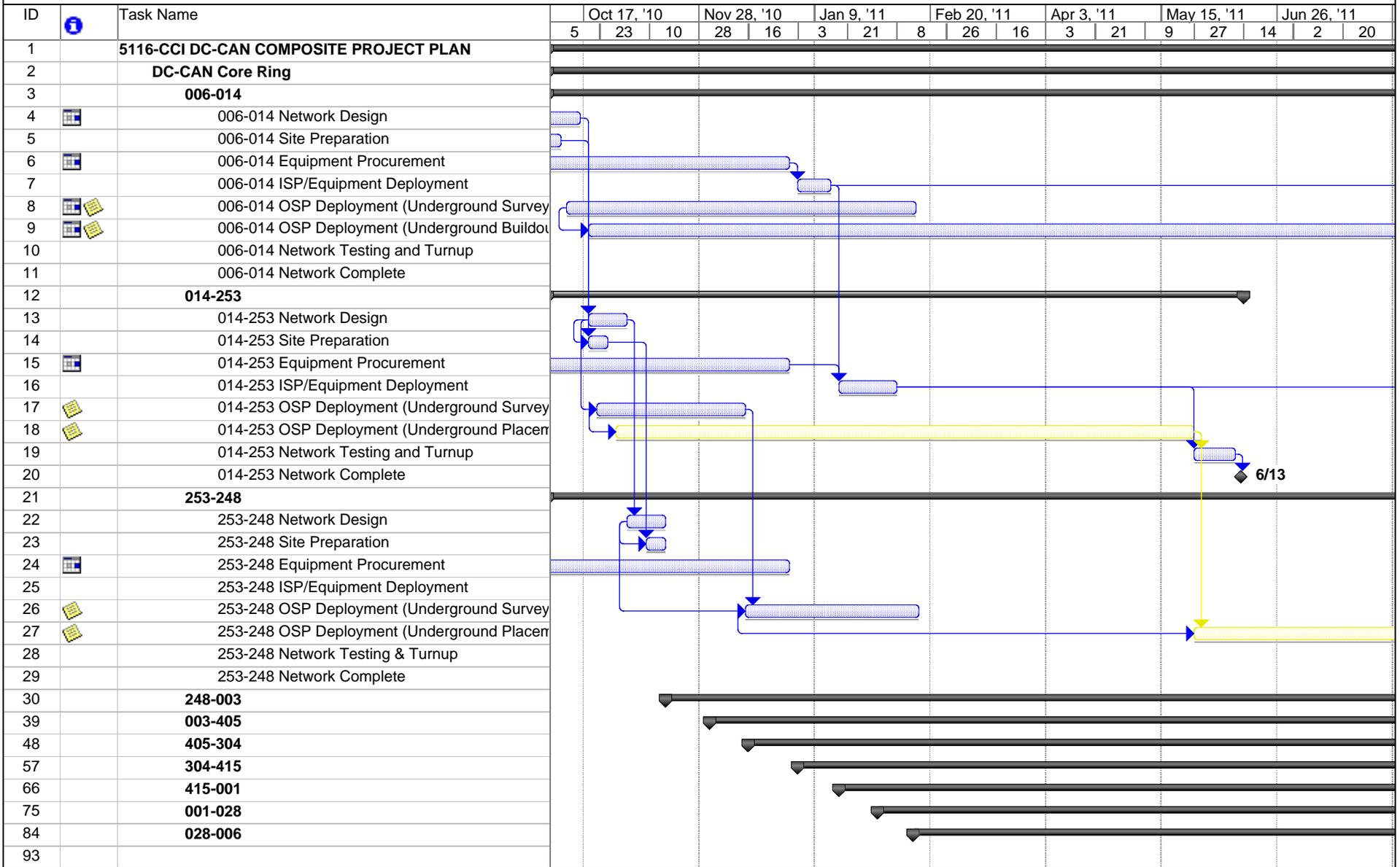
March 24, 2010

ID	Task Name	'09		Dec 27, '09		Feb 7, '10		Mar 21, '10		May 2, '10		Jun 13, '10		Jul 25, '10		Sep 5, '10		
		3	21	8	26	13	3	21	8	26	14	1	19	7	25	12	30	17
94	DC-CAN Access Loops																	
95	Loop 250-234																	
96	250-234 Network Design																	
97	250-234 Site Preparation																	
98	250-234 Equipment Procurement																	
99	250-234 ISP/Equipment Deployment																	
100	250-234 OSP Deployment (Aerial)																	
101	250-234 Network Testing & Turnup																	
102	250-234 Network Complete																	
103	Loop 006-006																	
104	006-006 Network Design																	
105	006-006 Site Preparation																	
106	006-006 Equipment Procurement																	
107	006-006 ISP/Equipment Deployment																	
108	006-006 OSP Deployment (Aerial)																	
109	006-006 OSP Deployment (Underground Survey)																	
110	006-006 OSP Deployment (Underground Placem)																	
111	006-006 Network Test & Turnup																	
112	006-006 Network Complete																	
113	Loop 006-252																	
123	Loop 355-256																	
133	Loop 006-251																	
143	Loop 006-007																	
152	Loop 222-354																	
162	Loop 248-225																	
172	Loop 248-248																	
181	Loop 003-003																	
190	Point to Point																	
191	PtP Network Design																	
192	PtP Site Preparation																	
193	PtP Equipment Procurement																	
194	PtP ISP/Equipment Deployment																	
195	PtP OSP Deployment (Aerial)																	
196	PtP OSP Deployment (Underground Survey)																	
197	PtP OSP Deployment (Underground Placement)																	
198	PtP Network Test & Turnup																	
199	PtP Network Complete																	

Project: Community_Access_Network Date: Wed 3/24/10	Task		Milestone		External Tasks	
	Split		Summary		External Milestone	
	Progress		Project Summary		Deadline	

**5116-CCI DC-CAN
DC Community Access Network**

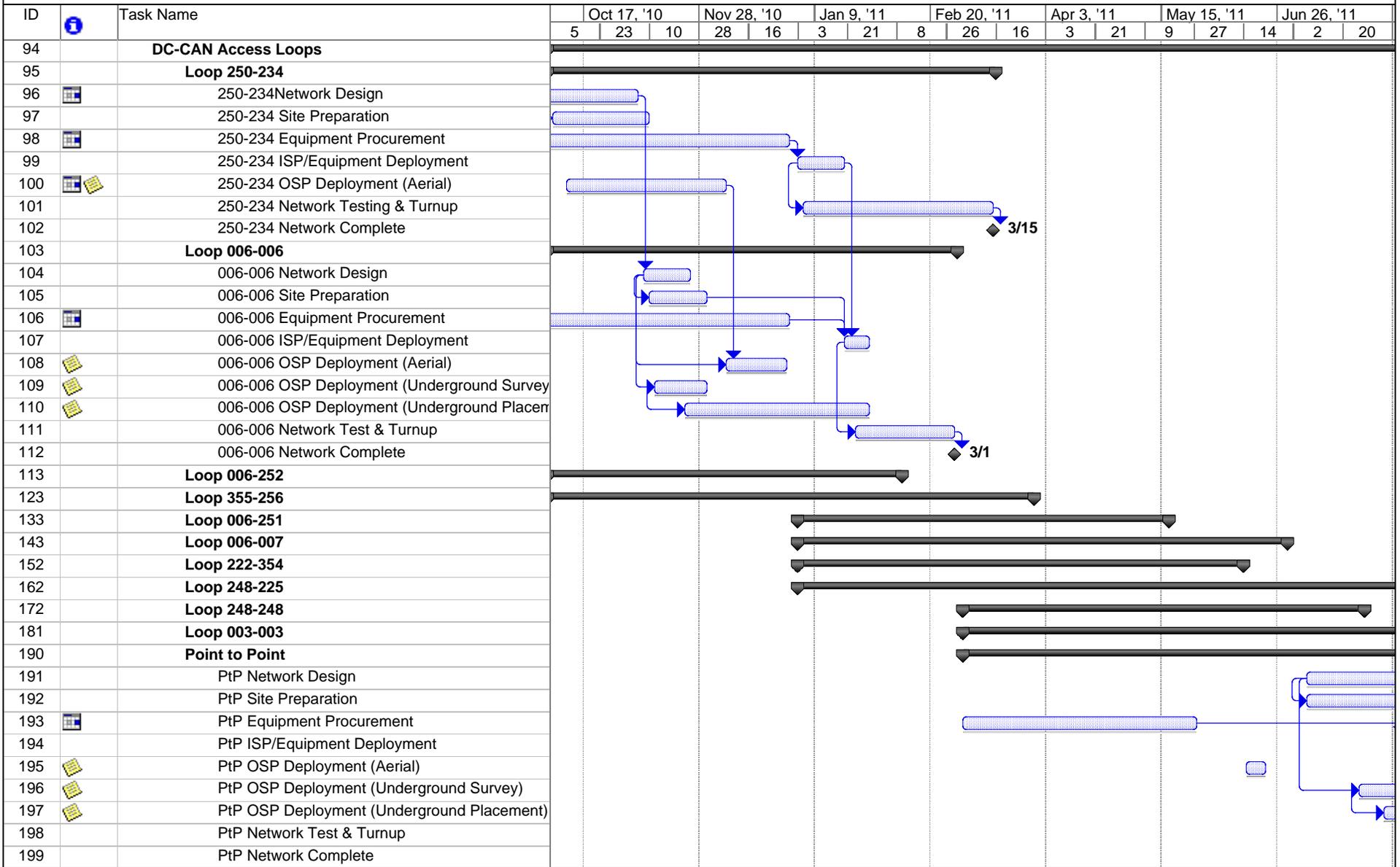
March 24, 2010



Project: Community_Access_Network Date: Wed 3/24/10	Task		Milestone		External Tasks	
	Split		Summary		External Milestone	
	Progress		Project Summary		Deadline	

5116-CCI DC-CAN DC Community Access Network

March 24, 2010

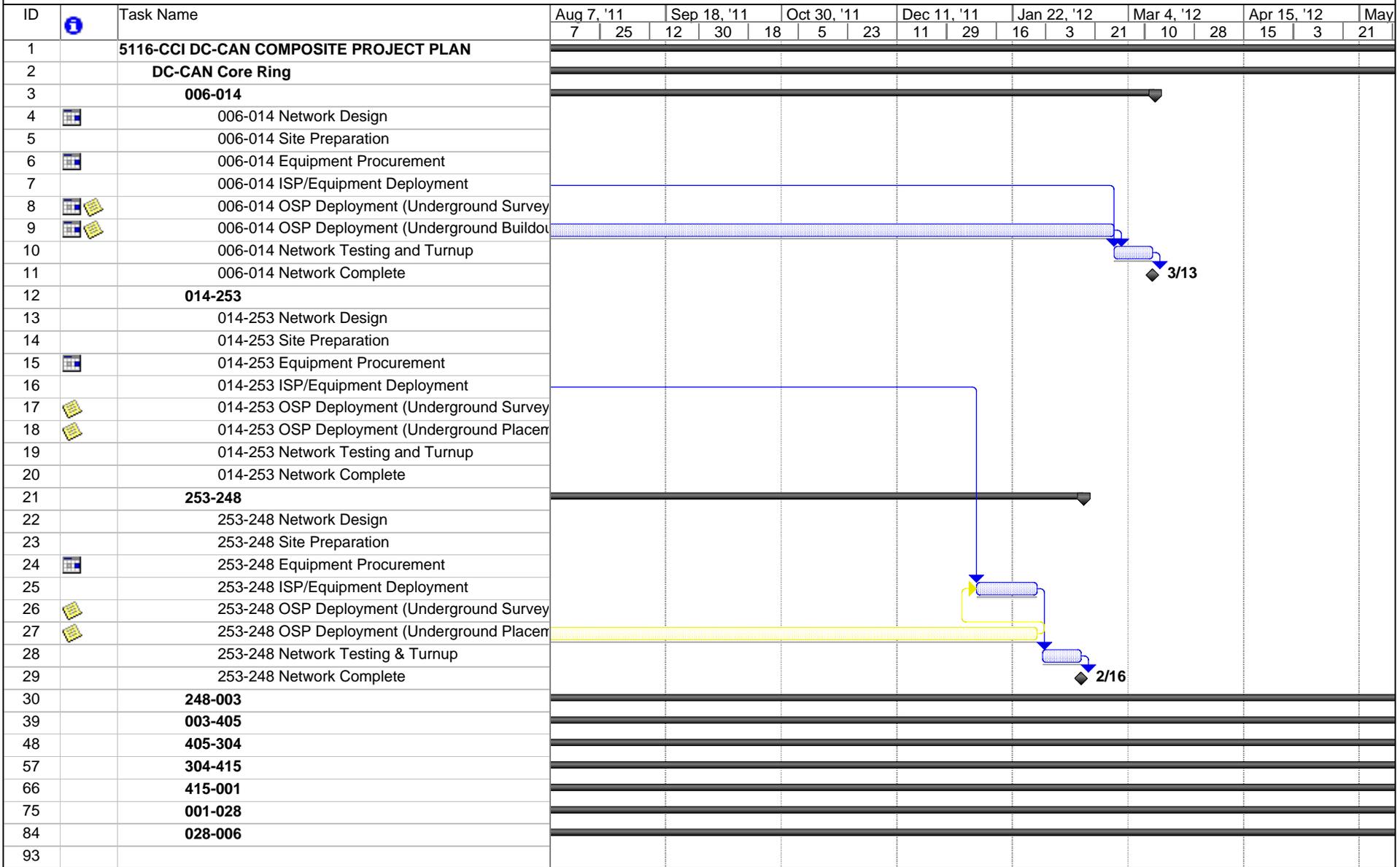


Project: Community_Access_Network
Date: Wed 3/24/10

Task		Milestone		External Tasks	
Split		Summary		External Milestone	
Progress		Project Summary		Deadline	

5116-CCI DC-CAN DC Community Access Network

March 24, 2010



Project: Community_Access_Network
Date: Wed 3/24/10

Task		Milestone		External Tasks	
Split		Summary		External Milestone	
Progress		Project Summary		Deadline	

**5116-CCI DC-CAN
DC Community Access Network**

March 24, 2010

ID	Task Name	Aug 7, '11		Sep 18, '11		Oct 30, '11		Dec 11, '11		Jan 22, '12		Mar 4, '12		Apr 15, '12		May
		7	25	12	30	18	5	23	11	29	16	3	21	10	28	15
94	DC-CAN Access Loops															
95	Loop 250-234															
96	250-234 Network Design															
97	250-234 Site Preparation															
98	250-234 Equipment Procurement															
99	250-234 ISP/Equipment Deployment															
100	250-234 OSP Deployment (Aerial)															
101	250-234 Network Testing & Turnup															
102	250-234 Network Complete															
103	Loop 006-006															
104	006-006 Network Design															
105	006-006 Site Preparation															
106	006-006 Equipment Procurement															
107	006-006 ISP/Equipment Deployment															
108	006-006 OSP Deployment (Aerial)															
109	006-006 OSP Deployment (Underground Survey)															
110	006-006 OSP Deployment (Underground Placem)															
111	006-006 Network Test & Turnup															
112	006-006 Network Complete															
113	Loop 006-252															
123	Loop 355-256															
133	Loop 006-251															
143	Loop 006-007															
152	Loop 222-354															
162	Loop 248-225															
172	Loop 248-248															
181	Loop 003-003															
190	Point to Point															
191	PtP Network Design															
192	PtP Site Preparation															
193	PtP Equipment Procurement															
194	PtP ISP/Equipment Deployment															
195	PtP OSP Deployment (Aerial)															
196	PtP OSP Deployment (Underground Survey)															
197	PtP OSP Deployment (Underground Placement)															
198	PtP Network Test & Turnup															
199	PtP Network Complete															

Project: Community_Access_Network Date: Wed 3/24/10	Task		Milestone		External Tasks	
	Split		Summary		External Milestone	
	Progress		Project Summary		Deadline	

5116-CCI DC-CAN DC Community Access Network

March 24, 2010

ID	Task Name	27, '12		Jul 8, '12		Aug 19, '12		Sep 30, '12		Nov 11, '12		Dec 23, '12		Feb 3, '13		Mar 17, '13	
		8	26	14	1	19	6	24	12	30	17	5	23	10	28	15	5
1	5116-CCI DC-CAN COMPOSITE PROJECT PLAN	▶															
2	DC-CAN Core Ring	▶															
3	006-014																
4	006-014 Network Design																
5	006-014 Site Preparation																
6	006-014 Equipment Procurement																
7	006-014 ISP/Equipment Deployment																
8	006-014 OSP Deployment (Underground Survey)																
9	006-014 OSP Deployment (Underground Buildout)																
10	006-014 Network Testing and Turnup																
11	006-014 Network Complete																
12	014-253																
13	014-253 Network Design																
14	014-253 Site Preparation																
15	014-253 Equipment Procurement																
16	014-253 ISP/Equipment Deployment																
17	014-253 OSP Deployment (Underground Survey)																
18	014-253 OSP Deployment (Underground Placement)																
19	014-253 Network Testing and Turnup																
20	014-253 Network Complete																
21	253-248																
22	253-248 Network Design																
23	253-248 Site Preparation																
24	253-248 Equipment Procurement																
25	253-248 ISP/Equipment Deployment																
26	253-248 OSP Deployment (Underground Survey)																
27	253-248 OSP Deployment (Underground Placement)																
28	253-248 Network Testing & Turnup																
29	253-248 Network Complete																
30	248-003	▶															
39	003-405	▶															
48	405-304	▶															
57	304-415	▶															
66	415-001	▶															
75	001-028	▶															
84	028-006	▶															
93																	

Project: Community_Access_Network Date: Wed 3/24/10	Task		Milestone		External Tasks	
	Split		Summary		External Milestone	
	Progress		Project Summary		Deadline	

5116-CCI DC-CAN DC Community Access Network

March 24, 2010

ID	Task Name	27, '12		Jul 8, '12		Aug 19, '12		Sep 30, '12		Nov 11, '12		Dec 23, '12		Feb 3, '13		Mar 17, '13	
		8	26	14	1	19	6	24	12	30	17	5	23	10	28	15	5
94	DC-CAN Access Loops	▶															
95	Loop 250-234																
96	250-234 Network Design																
97	250-234 Site Preparation																
98	250-234 Equipment Procurement																
99	250-234 ISP/Equipment Deployment																
100	250-234 OSP Deployment (Aerial)																
101	250-234 Network Testing & Turnup																
102	250-234 Network Complete																
103	Loop 006-006																
104	006-006 Network Design																
105	006-006 Site Preparation																
106	006-006 Equipment Procurement																
107	006-006 ISP/Equipment Deployment																
108	006-006 OSP Deployment (Aerial)																
109	006-006 OSP Deployment (Underground Survey)																
110	006-006 OSP Deployment (Underground Placem)																
111	006-006 Network Test & Turnup																
112	006-006 Network Complete																
113	Loop 006-252																
123	Loop 355-256																
133	Loop 006-251																
143	Loop 006-007																
152	Loop 222-354																
162	Loop 248-225																
172	Loop 248-248																
181	Loop 003-003																
190	Point to Point	▶															
191	PtP Network Design																
192	PtP Site Preparation																
193	PtP Equipment Procurement																
194	PtP ISP/Equipment Deployment																
195	PtP OSP Deployment (Aerial)																
196	PtP OSP Deployment (Underground Survey)																
197	PtP OSP Deployment (Underground Placement)																
198	PtP Network Test & Turnup																
199	PtP Network Complete	◆ 11/27															

Project: Community_Access_Network
Date: Wed 3/24/10

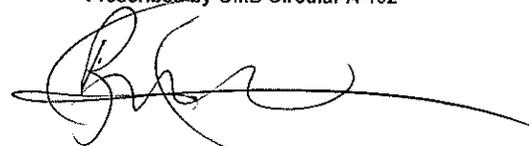
Task		Milestone		External Tasks	
Split		Summary		External Milestone	
Progress		Project Summary		Deadline	

BUDGET INFORMATION - Construction Programs

OMB Approval No. 4040-0008
Expiration Date 07/30/2010

NOTE: Certain Federal assistance programs require additional computations to arrive at the Federal share of project costs eligible for participation. If such is the case, you will be notified.

COST CLASSIFICATION	a. Total Cost	b. Costs Not Allowable for Participation	c. Total Allowable Costs (Columns a-b)
1. Administrative and legal expenses	\$ 1,036,800.00	\$ 0.00	\$ 1,036,800.00
2. Land, structures, rights-of-way, appraisals, etc.	\$ 0.00	\$ 0.00	\$ 0.00
3. Relocation expenses and payments	\$ 0.00	\$ 0.00	\$ 0.00
4. Architectural and engineering fees	\$ 1,629,320.00	\$ 0.00	\$ 1,629,320.00
5. Other architectural and engineering fees	\$ 0.00	\$ 0.00	\$ 0.00
6. Project inspection fees	\$ 1,816,750.00	\$ 0.00	\$ 1,816,750.00
7. Site work	\$ 7,103,184.00	\$ 0.00	\$ 7,103,184.00
8. Demolition and removal	\$ 0.00	\$ 0.00	\$ 0.00
9. Construction	\$ 0.00	\$ 0.00	\$ 0.00
10. Equipment	\$ 13,369,978.00	\$ 0.00	\$ 13,369,978.00
11. Miscellaneous	\$ 76,968.00	\$ 0.00	\$ 76,968.00
12. SUBTOTAL (sum of lines 1- 11)	\$ 25,033,000.00	\$ 0.00	\$ 25,033,000.00
13. Contingencies	\$ 0.00	\$ 0.00	\$ 0.00
14. SUBTOTAL	\$ 25,033,000.00	\$ 0.00	\$ 25,033,000.00
15. Project (program) income	\$ 0.00	\$ 0.00	\$ 0.00
16. TOTAL PROJECT COSTS (subtract #15 from #14)	\$ 25,033,000.00	\$ 0.00	\$ 25,033,000.00
FEDERAL FUNDING			
17. Federal assistance requested, calculate as follows: (Consult Federal agency for Federal percentage share.) Enter eligible costs from line 16c Multiply X <input type="text" value="69.74"/> % Enter the resulting Federal share.			\$ 17,457,942.00



ASSURANCES - CONSTRUCTION PROGRAMS

OMB Approval No. 4040-0009
Expiration Date 07/30/2010

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0042), Washington, DC 20503.

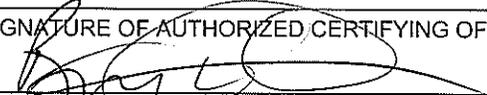
PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the Awarding Agency. Further, certain Federal assistance awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project costs) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, the right to examine all records, books, papers, or documents related to the assistance; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will not dispose of, modify the use of, or change the terms of the real property title, or other interest in the site and facilities without permission and instructions from the awarding agency. Will record the Federal awarding agency directives and will include a covenant in the title of real property acquired in whole or in part with Federal assistance funds to assure non-discrimination during the useful life of the project.
4. Will comply with the requirements of the assistance awarding agency with regard to the drafting, review and approval of construction plans and specifications.
5. Will provide and maintain competent and adequate engineering supervision at the construction site to ensure that the complete work conforms with the approved plans and specifications and will furnish progress reports and such other information as may be required by the assistance awarding agency or State.
6. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
7. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
8. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
9. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
10. Will comply with all Federal statutes relating to non-discrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681 1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

11. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal and federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
12. Will comply with the provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.
13. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333) regarding labor standards for federally-assisted construction subagreements.
14. Will comply with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
15. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
16. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
17. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq).
18. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-1 33, "Audits of States, Local Governments, and Non-Profit Organizations."
19. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

*SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL 	*TITLE CTO
*APPLICANT ORGANIZATION OCTO	*DATE SUBMITTED 03/24/00 0.00