

Report Information				
Award Type	Award Number	Prime DUNS	Calendar Yr/Qtr	Final Report
Grant	NT10BIX5570070	147368641	2011 / 4	No

Award Recipient Information	
Recipient DUNS Number	147368641
Recipient Account Number	
Recipient Congressional District	03
Parent DUNS Number	073130932
Recipient Type	2F.VW
Recipient Legal Name	MASSACHUSETTS TECHNOLOGY PARK
Recipient DBA Name	MASSACHUSETTS TECHNOLOGY COLLABORATIVE
Recipient Address 1	75 NORTH DR
Recipient Address 2	
Recipient City	WESTBOROUGH
Recipient State	MA
Recipient ZIP Code + 4	015813335
Recipient Country	USA

Project / Award Information	
Funding Agency Code	1335
Awarding Agency Code	1330
Program Source (TAS) Code	13-0554
Sub Account Number for Program Source	
CFDA Number	11.557
Amount of Award	45445444.00
Award Date	06/28/2010
Award Description	MBI's MassBroadband 123 project builds an open access high speed fiber optic internet infrastructure serving 123 western and north central Massachusetts communities connecting local businesses to new customers, students to learning opportunities, and first responders to vital information. This network provides the essential foundation for economic growth and stability to this distressed region.
Total Number of Sub Awards less than \$25,000/award	0
Total Amount Sub Awards less than \$25,000/award	0.00
Total Number of Sub Awards to Individuals	0
Total Amount of Sub Awards to Individuals	0.00
Total Number of Payments to Vendors less than \$25,000/award	138
Total Amount of Payments to Vendors less than \$25,000/award	511665.88

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Project Information

Project Name or Project/ Program Title	Massachusetts Broadband 123	Activity Codes (NAICS or NTEE-NPC) (up to 10)
Quarterly Activities/ Project Description	<p>1.Executed contract with Light Tower for dark fiber</p> <p>Indefeasible Right to Use to connect network to Boston</p> <p>2.Executed attachment agreements with Unitil and Granby and negotiating with Department of Conservation & Recreation, Massachusetts Development Finance Agency, & Richmond Telephone</p> <p>3.Executed Housatonic Railroad License & finalized the MCER agreement.</p> <p>4.Drafted Point of Interconnection Agreement & reviewed with 10 Points of Interconnection.</p> <p>5.Completed field data collection</p> <p>6.Submitted applications for 8,800 poles and 4 miles of conduit, for a total of over 29,400 poles and 28 miles of conduit.</p> <p>7.Received cost estimates on 5,600 poles for Verizon & 2,500 poles for electric companies, for total to date of 13,800 from Verizon and 6,700 from electric companies.</p> <p>8.Received 22 conduit record searches from Verizon</p> <p>9.Received 387 pole licenses for Verizon and 430 for Western Mass. Electric.</p> <p>10.Finalized construction schedule with Design Builder.</p> <p>11.Received approval of one Notice of Intent in accordance with Mass. Wetland Protection Act.</p> <p>12.Received district wide permits from Department of Transportation</p> <p>13.Submitted 44 drawings to 6 railroads for permitting.</p> <p>14.Completed site surveys of 632 Community Anchors and 24 Points of interconnect.</p>	<p>Activity Code 1 237130</p> <p>Activity Code 2</p> <p>Activity Code 3</p> <p>Activity Code 4</p> <p>Activity Code 5</p> <p>Activity Code 6</p> <p>Activity Code 7</p> <p>Activity Code 8</p> <p>Activity Code 9</p> <p>Activity Code 10</p>

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Completed designs for 96 Community Anchors & 3 Points of Interconnect.
 15. Completed all fiber diagrams
 16. Completed construction drawings for 4 segments & completed splicing diagrams for first phase
 17. Obtained infrastructure components -inside plant parts, fiber, optical network equipment, termination panels, and power plant.
 18. Implemented prototype test lab simulating 3 Points of Interconnection for proof-of-design and testing.
 19. Executed 5 Letters of Intent with Internet Service Providers, for a total of 9 to date.
 20. Executed 1 Connecting Agreement with Internet Service Provider.
 21. Hosted Service Provider Summit detailing network's features, capabilities & service offerings.

Project Status Less than 50% completed

Total Federal Amount ARRA Funds Received/ Invoiced 9853901.65

Number of Jobs 25.78

Description of Jobs Created The Total Number of Jobs Created or Retained includes the following positions:
 1. The Massachusetts Broadband Institute under the Massachusetts Technology Collaborative jobs counted are comprised of various administrative and program positions. They are: Director, Deputy Director, Program Director, Outreach Manager, Procurement Leads, Executive Assistant, Geographic Information Systems Analysts, Geographic Information Systems Manager, Interns and Federal Compliance Manager.
 2. The Massachusetts Technology Collaborative Vendor Jobs Created or Retained for Professional

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Services Consultants providing programmatic, construction management, project management, technical, and auditing services to the Massachusetts Broadband Institute.

3. This grant does not have Sub Recipients at this time. Each position created and retained by the Massachusetts Technology Collaborative and its vendors is essential in carrying out the goals and objectives outlined in the grant award to build an open access high speed fiber optic network infrastructure. This infrastructure serves over 120 western and north central Massachusetts communities and provides the essential foundation for economic growth and stability to this distressed region.

Total Federal Amount of ARRA Expenditure 13788697.77

Total Federal ARRA Infrastructure Expenditure 13788697.77

Infrastructure Purpose and Rationale The purpose of the project is to construct the MassBroadband 123 network, a robust, open access, middle mile fiber network covering over one-third of the state will connect 123 communities in western and north central Massachusetts and the 1,392 community anchor institutions (CAIs) that serve them. MassBroadband 123 is the transformative missing link to deliver comprehensive economic, educational, and public safety benefits to this region hard hit by the national shift from manufacturing to a knowledge-based economy.

The MassBroadband 123 solution comprehensively addresses the issues faced by the public safety community by creating a guaranteed-

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bandwidth public safety network that will interconnect the majority of municipal police, fire, and emergency management sites. This upgrade will make interoperability possible, significantly improving public safety responsiveness, coordination, and effectiveness. Additionally, the MassBroadband 123 network will dramatically change the economic development dynamic by bringing fiber within 3 miles of 99% of area businesses and directly connecting all the community colleges and most workforce development agencies. The project will bring broadband access to 11 NTIA defined economically distressed areas, and 69 communities designated by the state as Economic Target Areas, and will connect to 128 public housing sites to provide vulnerable residents with an important tool to find and compete for jobs.

The MassBroadband 123 network primarily contributes to the following ARRA purposes:

1. To preserve and create jobs and promote economic recovery.
2. To assist those most impacted by the recession.
3. To invest in transportation, environmental protection, and other infrastructure that will provide long-term economic benefits.

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Infrastructure Contact

Name	Judy Dumont	Street Address 1	75 North Drive
Email	dumont@masstech.org	Street Address 2	
Phone	(508) 870-0312	Street Address 3	
Ext	220	City	Westborough
		State	MA
		ZIP Code + 4	01581 - 3340

Primary Place of Performance

Address 1	75 North Drive
Address 2	
City	Westborough
Country Code	US
State	MA
ZIP Code + 4	01581 - 9999
Congressional District	03

Recipient Highly Compensated Officers

Prime Recipient Indication of Reporting Applicability	No	Officer 3 Name	
Officer 1 Name		Officer 3 Compensation	
Officer 1 Compensation		Officer 4 Name	
Officer 2 Name		Officer 4 Compensation	
Officer 2 Compensation		Officer 5 Name	
		Officer 5 Compensation	

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Vendor Information

Sub Award Number		Payment Amount	267255.11
Vendor DUNS Number		Product and Service Description	Vendor provided services related to assisting the MBI with planning, procurements, and management of the MassBroadband 123 Project.
Vendor Name	BeMor, LLC		
Vendor HQ ZIP Code + 4	04101 - 3453		

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Vendor Information

Sub Award Number	Payment Amount	147292.89
Vendor DUNS Number	Product and Service Description	Vendor provided financial analysis and strategic management services related to the application and due diligence phases of the MassBroadband 123 BTOP project including the development of the sustainability model and network operator procurement.
Vendor Name	Cambridge Strategic Management Group	
Vendor HQ ZIP Code + 4	02108 - 4407	

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Vendor Information

Sub Award Number	Payment Amount	255513.73
Vendor DUNS Number	Product and Service Description	Vendor provided strategic management services for the application and due diligence phases of the project including network design, financial modeling, and other management, procurement, and administrative services for the application and project
Vendor Name	Communications Media Advisors, LLC	
Vendor HQ ZIP Code + 4	02108 - 4706	

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Vendor Information

Sub Award Number	Payment Amount	33487.27
Vendor DUNS Number	Product and Service Description	Legal services including advice on dark fiber Indefeasible Rights to Use agreements and lit fiber connections as well as other network related matters
Vendor Name	Day, Pitney, LLP	
Vendor HQ ZIP Code + 4	02110 - 2602	

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Vendor Information

Sub Award Number	Payment Amount	99680.36
Vendor DUNS Number	Product and Service Description	Vendor assisted MTC with the development of the terms, conditions, and business terms for the agreement for a Run-the-Network-Operator for the MassBroadband 123 project and assistance with the vendor selection process.
Vendor Name	DLA Piper US, LLP	
Vendor HQ ZIP Code + 4	21264 - 4029	

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Vendor Information

Sub Award Number		Payment Amount	816240.00
Vendor DUNS Number		Product and Service Description	Designs, constructs, and provides material, tools, and labor necessary to complete the MassBroadband 123 fiber optic network.
Vendor Name	G4S Technology, LLC		
Vendor HQ ZIP Code + 4	68102 - 0000		

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Vendor Information

Sub Award Number		Payment Amount	46576.70
Vendor DUNS Number		Product and Service Description	Vendor provided project management services for the due diligence process and post award planning for MassBroadband 123 application for funding to the Nat'l Telecommunications Infrastructure Agency?s Broadband Tech Opportunity Program
Vendor Name	Galaxy Internet Services Inc.		
Vendor HQ ZIP Code + 4	02458 - 1637		

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Vendor Information

Sub Award Number		Payment Amount	297478.92
Vendor DUNS Number		Product and Service Description	Vendor provided legal advice and counsel to complete certain tasks related to the procurement of and contracting with an Environmental Assessment firm, Owners' Project Management firm and Design Build firm for MassBroadband 123 project.
Vendor Name	Holland & Knight LLP		
Vendor HQ ZIP Code + 4	02116 - 3813		

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Vendor Information

Sub Award Number	Payment Amount	162095.28
Vendor DUNS Number	Product and Service Description	Assisted with Environmental Questionnaire, construction timeline, network design and the due diligence phase, environmental permitting activities and duties required for Environmental Assessment, a Special Award Condition for BTOP Infrastructure award.
Vendor Name	Jacobs Engineering Group, Inc	
Vendor HQ ZIP Code + 4	02110 - 1213	

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Vendor Information

Sub Award Number	Payment Amount	667786.35
Vendor DUNS Number	Product and Service Description	Dark Fiber Infeasible Right to Use payment for two diverse paths to connect the MassBroadband 123 project to Boston.
Vendor Name		Light Tower Fiber LLC
Vendor HQ ZIP Code + 4		01719 - 1245

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Vendor Information

Sub Award Number	Payment Amount	71253.22
Vendor DUNS Number	Product and Service Description	Provided legal services in support of the MassBroadband 123 Fiber Optic Network Project Design-Build Procurement, bid challenge and railroad agreements.
Vendor Name	McCarter and English	
Vendor HQ ZIP Code + 4	02110 - 0000	

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Vendor Information

Sub Award Number		Payment Amount	34778.97
Vendor DUNS Number		Product and Service Description	Vendor provided legal advice and counsel related to the development of the MassBroadband 123 project.
Vendor Name	Mintz, Levin, Cohn, Ferris, Glovsky & Popeo		
Vendor HQ ZIP Code + 4	02111 - 2111		

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Vendor Information

Sub Award Number	Payment Amount	41272.84
Vendor DUNS Number	Product and Service Description	Identify critical process to be put in place prior to design builder coming on; identified software and other tools to be used in program to manage project data; and supported the design build procurement process as member of selection committee
Vendor Name		MTTR Consulting
Vendor HQ ZIP Code + 4		02880 - 0000

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Vendor Information

Sub Award Number	Payment Amount	772274.89
Vendor DUNS Number	Product and Service Description	Provides the project area with joint pole licenses to place MBI cable on their utility poles and related Make Ready work.
Vendor Name	National Grid	
Vendor HQ ZIP Code + 4	01581 - 0000	

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Vendor Information

Sub Award Number	Payment Amount	648858.47
Vendor DUNS Number	Product and Service Description	Engineering svcs in collecting data about utility poles along the proposed network route; data collected is used as part of Make-Ready applications submitted to utility and telco pole owners to accelerate Make-Ready process
Vendor Name	Osmose Utility Services	
Vendor HQ ZIP Code + 4	14267 - 0000	

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Vendor Information

Sub Award Number	Payment Amount	848795.83
Vendor DUNS Number	Product and Service Description	Vendor provided services as the Owner's Project Manager (OPM) to the MassBroadband 123 project.
Vendor Name	Tilson Fiber Technology	
Vendor HQ ZIP Code + 4	04101 - 4606	

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Vendor Information

Sub Award Number	Payment Amount	101859.95
Vendor DUNS Number	Product and Service Description	Provided services to perform surveys of route, including research on viability of underground route segments, and Community Anchor Institution (CAI) to be used in connection with development, procurement and construction of the MassBroadband 123 network.
Vendor Name	UC Synergetic	
Vendor HQ ZIP Code + 4	29708 - 9708	

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Vendor Information

Sub Award Number		Payment Amount	140468.07
Vendor DUNS Number		Product and Service Description	Preliminary engineering design firm required by Massachusetts General Laws Chapter 149A statue for design build procurements; Provided assistance with development of Design Build Request for Proposals. Supported procurement through its completion
Vendor Name	URS Corporation		
Vendor HQ ZIP Code + 4	30281 - 0000		

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Vendor Information

Sub Award Number	Payment Amount	2205994.64
Vendor DUNS Number	Product and Service Description	Primary telecommunication utility in project area. Costs incurred include applications and Make-Ready work needed on utility poles and conduits
Vendor Name	Verizon New England	
Vendor HQ ZIP Code + 4	02110 - 0000	

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Sub Award Number	Payment Amount	811706.45
Vendor DUNS Number	Product and Service Description	Telecom utility in Mass Broadband 123 project area. Costs are for pole applications and Make Ready work
Vendor Name	Western Mass Electric	
Vendor HQ ZIP Code + 4	02110 - 0000	

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