FORM CD-451 (REV 10/98)	U.S. DEPARTMENT OF COMMERCE	x GRANT	COOPERATIVE AGREEMEN
(ACCOUNTING	CODE
	AMENDMENT TO		**See Attached**
FINAN	CIAL ASSISTANCE AWARD	AWARD NUMB	BER
	OIAL AGGIOTATIOL ATTAILD	42-50-M09065	
RECIPIENT NAME		AMENDMENT I	NUMBER
Executive Office of the C	commonwealth of Pennsylvania	2	
STREET ADDRESS		EFFECTIVE DA	
Commonwealth Avenue	207 Finance Building	SEP 2 8 2	2010
CITY, STATE ZIP		EXTEND WORK	K COMPLETION TO

CFDA NO. AND PROJECT TITLE:

Harrisburg, PA 17120

11.558 American Recovery and Reinvestment Act-SBDD-Executive Office of the Commonwealth of Pennsylvania

COSTS ARE REVISED AS FOLLOWS:	PREVIOUS ESTIMATED COST	ADD	DEDUCT	TOTAL ESTIMATED COST		
FEDERAL SHARE OF COST	\$2,245,673.00	\$5,110,628.00	\$0.00	\$7,356,301.00		
RECIPIENT SHARE OF COST	\$561,450.00	\$1,606,950.00	\$0.00	\$2,168,400.00		
TOTAL ESTIMATED COST	\$2,807,123.00	\$6,717,578.00	\$0.00	\$9,524,701.00		

December 31, 2014

REASON(S) FOR AMENDMENT

This Grant is hereby amended to provide additional Federal funding in the amount of \$5,110,628.00 to complete the project to map broadband availability for five (5) years and engage in broadband planning activities for five(5) years for the state of Pennsylvania, pursuant to the American Recovery and Reinvestment Act of 2009 and the Broadband Data Improvement Act. Awards made pursuant to the State Broadband Data and Development Grant Program are available only to the single eligible entity designated by each State. Revise SAC #3 Federal Program Officer contact information.

ALL PREVIOUS TERMS AND CONDITIONS REMAIN IN EFFECT.

This Amendment approved by the Grants Officer is issued in triplicate and constitutes an obligation of Federal funding. By signing the three documents, the Recipient agrees to comply with the Amendment provisions checked below and attached, as well as previous provisions incorporated into the Award. Upon acceptance by the Recipient, two signed Amendment documents shall be returned to the Grants Officer and the third document shall be retained by the Recipient. If not signed and returned without modification by the Recipient within 30 days of receipt, the Grants Officer may unilaterally terminate this Amendment.

- X Special Award Conditions
- X Line Item Budget

Other:

SIGNATURE OF DEPA	ARTMENT OF COMMERCE GRANTS OFFICER	DATE
Joyce Brigham	109ce F. Broken	9/27/10
TYPED NAME, TYPED	TITLE, AND SIGNATURE OF AUTHORIZED RECIPIENT OFFICIAL	DATE /
BON	BRENDA ORTH, CHIEF INFORMATION OFFICER	10/05/2010

Award Number: 42-50-M09065, Amendment Number 2

Federal Program Officer: Andrew MacRae

Requisition Number: M09065A

Employer Identification Number: 236003107

Dun & Bradstreet No: 188655898

Recipient ID: 1116629 Requestor ID: 1116629

Treasury Account Symbol (TAS): 0554

Award ACCS Information

61	2010	4805011-300	06-10-0000-00-00-00-00	41-19-00-00	\$5,110,628.00
Timen Orten		Painer or	or or or	જી હાત	<u>ំងើរដែលថ្ងៃ ក្</u> របស់ពេល

Award Contact Information

Ms. Brenda Orth	Administrative	borth@state.pa.us	(717) 787-5440	
George Centre	enaria Tygo	ંનાવા	Filmons	

NIST Grants Officer:

Joyce Brigham 100 Bureau Drive, MS 1650 Gaithersburg, MD 20899-1650 (301) 975 - 6329

NIST Grants Specialist:

Jannet Cancino 100 Bureau Drive, MS 1650 Gaithersburg, MD 20899-1650 (301) 975 - 6544

AMERICAN RECOVERY AND REINVESTMENT ACT STATE BROADBAND DATA AND DEVELOPMENT GRANT PROGRAM SPECIAL AWARD CONDITIONS EXECUTIVE OFFICE OF THE COMMONWEALTH OF PENNSYLVANIA 42-50-M09065

3. The Program Officer's name, address, and telephone number are:

Andrew MacRae National Telecommunications and Information Administration US Department of Commerce 1401 Constitution Ave., NW, Ste. 4897 Washington, DC 20230

Phone: (202) 482-5174; Fax: (202) 501 0536

Email: Amacrae@ntia.doc.gov

6. Funding Clause

This amendment provides \$5,110,628.00 in additional Federal funds for the continued funding of this multi-year award for a total of \$7,356,301.00, for the Recipient's implementation of the State Broadband Data and Development Program activities described in the Recipient's application and proposal dated July 1, 2010 and revision dated August 10, 2010. The overall award period for this action will extend from January 1, 2010 through December 31, 2014. The Department of Commerce is not liable for any obligations, expenditures, or commitments which involve any amount in excess of the Federal amount presently available.

- 17. The Recipient shall be required to adhere to guidelines issued by NTIA regarding state broadband maps, associated content and websites or other publicly distributed materials, and provide notifications to NTIA before making substantial changes to any of the above materials.
- 18. In the event that program objectives in regard to data collection can no longer be achieved, the recipient may be allowed to modify its project proposal or terminate the project.
- 19. The Recipient has agreed to utilize a methodology that has been reviewed by external subject matter experts for the purpose of calculating households served by broadband within a given geography, and, where appropriate, to use the related questions found in the American Community Survey conducted by the Bureau of the Census.
- 20. Federal fund in excess of \$50,000 will not be released for all projects approved under this Amendment until NTIA has reviewed and approved a revised and detailed project plan, timeline and cost estimates, Awardees must submit these items within 120 days from the date of this Amendment, but may do so earlier. Revised budgets for data collection and related activities must include no more than a ten percent of the total five-year mapping

budget costs as a line-item to support the implementation of future, and currently unidentified, leading practices. Federal funds for this line item will not be released until NTIA has reviewed and approved the use of the funds. Notwithstanding the above, federal funds for all contracts expected to be in excess of \$100,000 will not be released until the Scope of Work, cost estimates and contractor qualifications are reviewed and approved by NTIA. Additionally, Awardee must provide to NTIA for review and approval job descriptions for new employees expected to be paid \$100,000 per year or more before Federal funding supporting these positions is released.

- 21. The awarding agency has the right to: 1) obtain, reproduce, publish or otherwise use data first produced under an award; and 2) authorize others to receive reproduce, publish or otherwise use such date for federal purposes. (Before authorizing others to use the material, a determination must be made that the use is for a federal purpose.) Except as otherwise specifically provided for in an award, authors may copyright any work that is subject to copyright and was developed under an award. When claim is made to copyright, the applicable copyright notice of 17 U.S.C. 401 or 402 and acknowledgment of Federal government sponsorship shall be affixed to the work when and if the work is delivered to the Federal government, is published, or is deposited for registration as a published work in the U.S. Copyright office. The copyright owner shall grant to the Federal government, and others acting on its behalf, a paid-up, nonexclusive, irrevocable, worldwide license for all such works to reproduce, publish, or otherwise use the work for Federal government purposes. See 15 CFR § \$14.36, 24.34
- 22. Awardees also receiving Broadband Technology Opportunities Program (BTOP) awards shall not utilize funds BTOP and SBDD funds for the identical activity.

BUDGET INFORMATION - Non-Construction Programs

		SEC	TION A - BUDGET SUN	MARY		
Grant Program Catalog of Federal Domestic Assistance		Estimated Unobligated Funds				
or Activity (a)	Number (b)	Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1.SBDD	11.558	\$	\$	\$ 5,110,628.00	\$ 1,606,950.00	\$ 6,717,578.00
2.						0.00
3.						0.00
4.						0.00
5. Totals		\$ 0.0	0.00	\$ 5,110,628.00	\$ 1,606,950.00	\$ 6,717,578.00
		SECT	ION B - BUDGET CATE			
6. Object Class Catego	ries			FUNCTION OR ACTIVITY		Total
		(1) Federal	(2) Non-Federal	(3) ¢	 	(5)
a. Personnel		643,296.0	0 435,964.00	Y	Ψ	1,079,260.00
b. Fringe Benefi	ts	252,300.0	0 170,986.00			423,286.00
c. Travel		. 0.0	0.00)		0.00
d. Equipment		16,664.0	0.00)		16,664.00
e. Supplies		159,823.0	0.00			159,823.00
f. Contractual		4,034,545.0	0 1,000,000.00)		5,034,545.00
g. Construction		0.0	0.00)		0.00
h. Other		4,000.0	0.00			4,000.00
i. Total Direct C	harges <i>(sum of 6a-6h)</i>	5,110,628.0	1,606,950.00	0.00	0.00	6,717,578.00
j. Indirect Charg	jes					0.00
k. TOTALS (sur	m of 6i and 6j)	\$ 5,110,628.0	1,606,950.00	0.00	\$ 0.00	\$ 6,717,578.00
7. Program Income		\ \$	 \$	 \$	\$	\$ 0.00

(a) Grant Program				ION-FEDERAL RE (b) Applicant		(c) State	(d) Other Sources	Ī	(e) TOTALS
8. SBDD \$		\$		\$	1,606,949.00	\$	\$	1,606,949.00	
9.	***************************************							1	0.00
10.		***************************************						†	0.00
11.									0.00
12. TOTAL (sum of lines 8-11)			\$	0.00	\$	1,606,949.00	\$ 0.00	\$	1,606,949.00
		SECTION	D-F	ORECASTED CAS	SH N	NEEDS	<u> </u>		militarian militaria de la constancia de l
40 5-1		Total for 1st Year		1st Quarter		2nd Quarter	3rd Quarter		4th Quarter
13. Federal	\$	0.00	\$		\$		\$	\$	
14. Non-Federal		0.00		*					
15. TOTAL (sum of lines 13 and 14)	\$	0.00	\$	0.00	\$	0.00	\$ 0.00	\$	0.00
SECTION E - E	BUDGET	ESTIMATES OF	FEDE	ERAL FUNDS NEE	DEI	FOR BALANCE	OF THE PROJECT		***************************************
(a) Grant Program			FUTURE FUNDING PERIODS (Years)						
	····			(b) First		(c) Second	(d) Third	-	(e) Fourth
16.SBDD		\$		\$		\$	\$		
17.									
18.									
19.									
20. TOTAL (sum of lines 16-19)		\$	0.00	\$	0.00	\$ 0.00	\$	0.00	
		SECTION F	- от	HER BUDGET INF	OR	MATION			
21. Direct Charges: \$6,717,578	····		<u> </u>	22. Indirect \$0.00	Cha	arges:			
21. Direct Charges: \$6,717,578 23. Remarks: Applicant is not requesting a	ny indire	ect charges, althou	gh su	\$0.00			neir budgets.		