
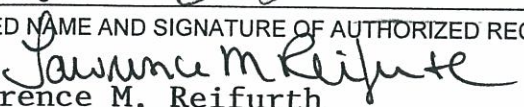


FORM CD-450 (REV 10/98)	X GRANT      COOPERATIVE AGREEMENT
U.S. DEPARTMENT OF COMMERCE	
<b>FINANCIAL ASSISTANCE AWARD</b>	<b>ACCOUNTING CODE</b>  ** See Attached**
<b>RECIPIENT NAME</b> Hawaii Department of Commerce and Consumer Affairs	<b>AWARD NUMBER</b> 15-50-M09057
<b>STREET ADDRESS</b> 335 Merchant Street	<b>FEDERAL SHARE OF COST</b> \$1,949,940.00
<b>CITY, STATE ZIP</b> Honolulu, HI 96813-2921	<b>RECIPIENT SHARE OF COST</b> \$487,485.00
<b>AWARD PERIOD</b> 01/01/2010 - 12/31/2014 *	<b>TOTAL ESTIMATED COST</b> \$2,437,425.00
<b>AUTHORITY</b> P.L. 110-385	
<b>CFDA NO. AND PROJECT TITLE:</b> 11.558 American Recovery and Reinvestment Act - SBDD - Hawaii Department of Commerce Affairs	
<p><b>This Award 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 Award provisions checked below and attached. Upon acceptance by the Recipient, two signed Award 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 Award.</b></p>	
<p> <input checked="" type="checkbox"/> Department of Commerce Financial Assistance Standard Terms and Conditions (March 2008)  <input checked="" type="checkbox"/> Special Award Conditions  <input checked="" type="checkbox"/> Line Item Budget              15 CFR Part 14, Uniform Administrative Requirements for Grants and Agreements with Institutions of Higher Education, Hospitals, Other Non-Profit, and Commercial Organizations  <input checked="" type="checkbox"/> 15 CFR Part 24, Uniform Administrative Requirements for Grants and Agreements to State and Local Governments              OMB Circular A-21, Cost Principles for Educational Institutions  <input checked="" type="checkbox"/> OMB Circular A-87, Cost Principles for State, Local, and Indian Tribal Governments              OMB Circular A-122, Cost Principles for Nonprofit Organizations              48 CFR Part 31, Contract Cost Principles and Procedures  <input checked="" type="checkbox"/> OMB Circular A-133, Audits of States, Local Governments, and Non-Profit Organizations  <input checked="" type="checkbox"/> Other(s) * Multi-year Grant, see SAC #6; DoC ARRA Award Terms attached.         </p>	
<b>SIGNATURE OF DEPARTMENT OF COMMERCE GRANTS OFFICER</b>  Joyce Brigham	<b>TITLE</b> GRANT OFFICER
	<b>DATE</b> JAN 13 2010
<b>TYPED NAME AND SIGNATURE OF AUTHORIZED RECIPIENT OFFICIAL</b>  Lawrence M. Reifurth	<b>TITLE</b> Director Dept. of Commerce & Consumer Affrs.
	<b>DATE</b> February 3, 2010

Award Number: 15-50-M09057, Amendment Number 0

Federal Program Officer: Anne Neville

Requisition Number: M09057

Employer Identification Number: 99-0319357

Dun and Bradstreet Number: 809935406

Recipient ID:

Requestor ID:

Treasury Account Symbol (TAS): 0554

#### Award ACCS Information

Bureau	FCY	Project/Task	Organization	Objct Class	Obligation Amount
61	2010	4805011-300	06-10-0000-00-00-00-00	41-19-00-00	\$1,949,940.00

#### Award Contact Information

Contact Type	Contact Name	Email	Phone
Administrative	Mr. Clyde Sonobe	Clyde.Sonobe@dcca.hawaii.gov	(808) 586-8395

#### NIST Grants Officer:

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

#### NIST Grants Specialist:

Michael Squires  
100 Bureau Drive, MS 1650  
Gaithersburg, MD 20899-1650  
(301) 975-4039

**AMERICAN RECOVERY AND REINVESTMENT ACT  
STATE BROADBAND DATA AND DEVELOPMENT GRANT PROGRAM  
SPECIAL AWARD CONDITIONS**

1. This award number 15-50-M09057 to the Hawaii Department of Commerce and Consumer Affairs, supports the work described in the proposal entitled "State Broadband Data and Development Grant Program," dated August 14, 2009 and revisions dated December 14, 2009, which are incorporated into the award by reference. Where the terms of the award and proposal differ, the terms of the award shall prevail.

2. **The Recipient's Contact's name, title, address, and telephone number are:**

Clyde Sonobe  
Administrator, DCCA  
Hawaii Department of Commerce and Consumer Affairs  
335 Merchant Street  
Honolulu, HI 96813-2921  
(808) 586-8395

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

Anne W. Neville  
National Telecommunications and Information Administration  
US Department of Commerce  
1401 Constitution Ave., NW, Ste. 4897  
Washington, DC 20230  
Phone: (202) 482 3960; Fax: (202) 501 0536  
Email: [aneville@ntia.doc.gov](mailto:aneville@ntia.doc.gov)

4. **The Grants Officer's name, address, and telephone number are:**

Joyce F. Brigham  
National Institute of Standards and Technology  
Grants and Agreements Management Division  
Bldg. 411, Room B-100  
100 Bureau Drive, Mail Stop 1650  
Gaithersburg, Maryland 20899-1650  
Phone: (301) 975-6329; Fax: (301) 926-6458  
E-mail: [joyce.brigham@nist.gov](mailto:joyce.brigham@nist.gov)

**5. The Grant Specialist's name, address, telephone and fax number and email address:**

Michael Squires  
National Institute of Standards and Technology  
Grants and Agreements Management Division  
Bldg. 411, Room B-100  
100 Bureau Drive, Mail Stop 1650  
Gaithersburg, Maryland 20899-1650  
Phone: (301) 975-4039; Fax: (301) 840-5976  
E-mail: michael.squires@nist.gov

**6. Funding Clause:**

The award period and budget(s) incorporated into this award cover a five (5) - year period and the budget sets forth a total Federal cost of \$2,909,743.00 in Federal funds. However, Federal funding approved and available at this time is limited to \$1,449,940.00 for the Recipient's broadband mapping activities and \$500,000.00 for broadband planning activities, for a total amount of \$1,949,940.00. The overall award period for this action will extend from January 1, 2010 through December 31, 2014. The funding period for this action will extend from January 1, 2010 through December 31, 2011 for broadband mapping activities and January 1, 2010 through December 31, 2014 for broadband planning activities, if any. Receipt of any future funding will be contingent upon program priorities resulting from the outcome of the Department of Commerce's analysis of the overall program, satisfactory performance and the availability of funds from Congress. Future funding will be at the sole discretion of the Department of Commerce. 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. The Recipient will be responsible for any and all termination costs it may incur should future funding not become available. No legal liability will exist or result on the part of the Federal Government for payment of any portion of the remaining funds which have not been made available under the award. Notifications affecting funding or notice of availability of additional funding for the State Broadband Data and Development Grant Program will be made only by the Grants Officer. The amendment to obligate prospective funding available shall be made on Form CD-451, "Amendment to Financial Assistance Award," prior to the expiration of each funding phase's activities.

**7. Automated Standard Application for Payments system (ASAP):**

Notwithstanding Section A.02 of the DoC Financial Assistance Standard Terms and Conditions, dated March 2008:

- a. The advanced method of payment shall be authorized unless otherwise

specified in a special award condition.

b. Payments will be made through electronic funds transfers, using the Department of Treasury's Automated Standard Application for Payment (ASAP) system and in accordance with the requirements of the Debt Collection Improvement Act of 1996. **The following information is required when making withdrawals for this award: (1) ASAP account identification (id) = award number found on the cover sheet of this award; (2) Agency Location Code (ALC) = 13060001; and (3) Region Code = 02.** Recipients do not need to submit a "Request for Advance or Reimbursement" (SF-270) for payments relating to this award. **All non-ASAP Recipient Organizations must enroll electronically. The ASAP system no longer accepts paper forms for enrollment. If you are not currently enrolled in the ASAP system you must provide the Federal Awarding Agency with a Point of Contact name, e-mail address, mailing address, telephone number, EIN and DUNS numbers of your organization in order for the Federal Awarding Agency Enrollment Initiator (EI) to begin the on-line enrollment. If you have questions on this requirement please contact the Grant Specialist responsible for this award. If you have questions on the electronic process step-by-step instructions you may contact your responsible Regional Finance Center.**

Advances taken through the ASAP shall be limited to the minimum amounts necessary to meet immediate disbursement needs. Advanced funds not disbursed in a timely manner must be promptly returned, via an ASAP credit, to the account from which the advanced funding was withdrawn. Advances shall be for periods not to exceed 30 days.

c. This award has the following control or withdrawal limits set in ASAP:

- None
- Agency Review required for all withdrawals (see explanation below)
- Agency review required for all withdrawal requests over \$ \_\_\_\_\_ (see explanation below)
- Maximum Draw Amount controls (see explanation below)
  - \$ \_\_\_\_\_ each month
  - \$ \_\_\_\_\_ each quarter
  - \$ \_\_\_\_\_ each year

d. Funds that have been withdrawn through ASAP may be returned to ASAP via the Automated Clearing House (ACH) or via FEDWIRE. The ACH or FEDWIRE transaction may only be performed by the Recipient's financial institution. Full or partial payments received by a Payment Requestor/Recipient Organization may be returned to ASAP. All funds returned to the ASAP system will be credited to the ASAP Suspense Account. The Suspense Account allows the Regional Financial Center to monitor returned funds and ensure that they are credited to the correct ASAP account. Returned funds that cannot be identified

and classified to an ASAP account will not be accepted and will be returned to the originating depository financial institution (ODFI).

It is essential that the Payment Requestor/Recipient Organization provide its financial institution with ASAP account information (ALC, Recipient ID and Account ID) to which the returned funds are to be credited. Additional detailed information can be found at: <http://www.fms.treas.gov/asap/pay-return2.pdf>

#### **8. Interest**

This award is subject to 15 CFR 24.21(i) requiring recipients of Federal financial assistance to maintain advances of Federal funds in interest bearing accounts. Interest earned on Federal advances deposited in such accounts (with the exception of \$250 per year, which may be retained for administrative expenses) shall be remitted promptly.

The complete address for remitting checks for interest earned on Federal advances is Department of Health and Human Services, Payment Management System, P.O. Box 6021, Rockville, MD 20852. Recipients that do not have electronic remittance capability should send a check to this address.

In keeping with Electronic Funds Transfer rules (31 USC part 206), interest should be remitted to the HHS Payment Management System through an electronic medium such as the FEDWIR Deposit System. Electronic remittances should be in the format and should include any data that are specified by the HHS as being necessary to facilitate direct deposit in HHS' account at the Department of Treasury.

#### **9. Matching Funds**

Recipient will provide, from non-Federal sources, not less than 20 percent of the amount of the grant, including approved broadband planning activities, if any, funded under this award. The matching costs proposed in the Recipient's application represents the Recipient's best estimate of actual required matching costs, and the Recipient must submit a revised documentation of matching funds reflecting the funded award to the Federal Program Officer for review and approval within 30 days of the date of this award. In addition to this document, the Applicant must also submit a revised SF-424A specifying the proposed Federal and non-Federal amounts for each project year. The final approved matching costs will not be less than 20 percent of the total project cost. Matching funds can be in the form of either cash or in-kind contributions consistent with the 15 CFR 14.23, 24.3 and 24.24 as applicable.

**10. Department of Commerce Pre-Award Notification Requirements for Grants and Cooperative Agreements**

The Department of Commerce Pre-Award Notification Requirements for Grants and Cooperative Agreements are contained in, 73 Fed. Reg. 7696 (February 11, 2008), apply to this notice On the form SF-424, the applicant's 9-digit Dun and Bradstreet Data Universal Numbering System (DUNS) number must be entered in item 8.c. Organizational DUNS. The DUNS number provided MUST be the DUNS number for the entity within the applying institution that will be responsible for drawing down funds from the Automated Standard Application for Payment System (ASAP). Institutions that provide incorrect DUNS numbers may experience significant delays in receiving funds.

**11. Performance (Technical) Reports:**

**Deviation to the reporting requirements in the Department of Commerce (DoC) Financial Assistance Standard Term and Condition B.01, entitled "Performance (Technical) Report"**

The Recipient shall submit performance (technical) reports to the Federal Program Officer at the end of each calendar quarter or portion thereof, and a final report within 90 days of expiration date of this award. In the case of a multi-year project, an annual performance report will be required for each year of the grant award in lieu of the final report. Annual and final reports should incorporate the results and accomplishments of all research conducted during the period specified at the award period. Due dates are:

- April 30 for the calendar quarter ending March 31
- July 30 for the calendar quarter ending June 30
- October 30 for the calendar quarter ending September 30
- January 30 for the calendar quarter ending December 31

**12. FEDERAL FUNDING NOTICE – FY 2009 State Broadband Data and Development Grant Program**

The Recipient shall comply with the requirements found in the Department of Commerce, National Telecommunications and Information Administration Federal Funding Opportunity Notice and the Department of Commerce, National Telecommunications and Information Administration Federal Register Notice:

- (74 FR 32545), dated July 8, 2009 and found at [http://www.ntia.doc.gov/frnotices/2009/FR\\_BroadbandMappingNOFA\\_090708.pdf](http://www.ntia.doc.gov/frnotices/2009/FR_BroadbandMappingNOFA_090708.pdf)
- (74 FR 40569), dated August 12 and found at: [http://www.ntia.doc.gov/frnotices/2009/FR\\_mappingclarification\\_090807.pdf](http://www.ntia.doc.gov/frnotices/2009/FR_mappingclarification_090807.pdf)

- (74 FR 46573), dated September 10, 2009 and found at:  
[http://www.ntia.doc.gov/fnotices/2009/FR\\_MappingProgram\\_090910.pdf](http://www.ntia.doc.gov/fnotices/2009/FR_MappingProgram_090910.pdf)

**13. New Federal Financial Report**

**Deviation to replace the references for the reporting requirements in the Department of Commerce (DoC) Financial Assistance Standard Term and Condition A.01, entitled “Financial Reports,” and Use of Approved OMB Form SF-425 as Authorized Under Uniform Administrative Requirements For Financial Reporting**

New Financial Reporting Form (SF-425) - Article A.01 of the Department of Commerce (DoC) Financial Assistance Standard Terms and Conditions dated March 2008 shall apply as revised below:

The references to Financial Reporting Form SF-269 in the DoC Standard Terms & Conditions are hereby replaced with the SF-425, “Federal Financial Report,” as required by OMB (73 FR 61175, October 15, 2008). As authorized under 15 CFR §§ 14.52 and 24.41, the OMB approved SF-425 shall be used in the place of the SF-269 and SF-272 under the uniform administrative requirements and elsewhere under this award where such forms are referenced.

The Recipient shall submit an SF- 425 (Federal Financial Report) on a calendar quarter basis for the periods ending March 31, June 30, September 30, and December 31, or any portion thereof, unless otherwise specified in a Special Award Condition. Reports are due no later than thirty (30) calendar days following the end of each reporting period. A final SF-425 shall be submitted within ninety (90) calendar days after the expiration date of the award.

**14. Whistleblower Protection Act Requirements**

The Recipient shall comply with the Whistleblower Protection requirements of the American Recovery and Reinvestment Act (Recovery Act), Section 553 of Division A, Title XV, Public Law 111-5 which provides protection for employees of non-federal employers making specified disclosures relating to possible fraud, waste, or abuse of Recovery Act funds. The act requires any non-federal employer receiving Recovery Act funds to post a notice of the rights and remedies provided under the Act. The Recipient shall display a poster at their job sites. Recipients are reminded that the Office of Inspector General will verify the appropriate place of this poster as part of any field work conducted. Failure to display the poster may result in an audit finding. The poster can be downloaded from the following web site:

<http://www.oig.doc.gov/recovery/whistleblower.html>



**15. Contractor Scope of Work**

The Recipient must submit for review and approval the Scope of Work, cost estimates and contractor qualifications for any contracts expected to be in excess of \$100,000 when such information is not fully contained in the Recipient's application. **Federal** funds for these contracts will be released after such information has been reviewed and approved by NTIA. The Grants Officer will provide written notification of such approval.

**16. Contracts Agreements**

The Recipient shall submit fully executed contract agreements to the Grants Officer within 30 days of the execution of the agreements. (Fully Executed means: the agreement must be signed by both the recipient organization and the subrecipient/or other party).

**17. Revised Description of Planning Activities, Budget Narratives and Activities Timeline**

Release of **Federal** funds for broadband planning purposes will be approved only after the Recipient submits and NTIA approves a revised description of planning activities, budget narrative for those activities, and a timeline for the expected completion of activities. This information must be provided to NTIA within 45 days from the date of the award. To be approved, this revised description, budget narrative and timeline must meet the requirements set forth in the Notice of Funds Availability for the State Broadband Data and Development Grant Program, published in the Federal Register on July 8, 2009 (74 Fed. Reg. 32545).

BUDGET INFORMATION - Non-Construction Programs

OMB Approval No. 4040-0006  
Expiration Date 07/30/2010

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. State Broadband Data and Development Grant Program	11.558	\$ 0.00	\$ 0.00	\$ 2,909,743.00	\$ 1,281,309.00	\$ 4,191,052.00
2. Non-Federal						
3. Planning						
4.						
5. Totals		\$	\$	\$ 2,909,743.00	\$ 1,281,309.00	\$ 4,191,052.00

**SECTION B - BUDGET CATEGORIES**

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1) State Broadband Data and Development Grant Program	(2) Non-Federal	(3) Planning	(4)	
a. Personnel	\$ 477,638.00	\$ 196,000.00	\$ 164,061.00	\$	\$ 837,699.00
b. Fringe Benefits	143,291.00	0.00	32,813.00		176,104.00
c. Travel	48,750.00	0.00	8,000.00		56,750.00
d. Equipment	321,804.00	0.00	0.00		321,804.00
e. Supplies	0.00	0.00	60,000.00		60,000.00
f. Contractual	1,023,221.00	0.00	40,000.00		1,063,221.00
g. Construction	0.00	0.00	0.00		
h. Other	0.00	1,085,309.00	113,000.00		1,198,309.00
i. Total Direct Charges (sum of 6a-6h)	2,014,704.00	1,281,309.00	417,874.00		\$ 3,713,887.00
j. Indirect Charges	397,769.00	0.00	79,396.00		\$ 477,165.00
k. TOTALS (sum of 6i and 6j)	\$ 2,412,473.00	\$ 1,281,309.00	\$ 497,270.00	\$	\$ 4,191,052.00
7. Program Income	\$	\$	\$	\$	\$

Authorized for Local Reproduction

Standard Form 424A (Rev. 7- 97)  
Prescribed by OMB (Circular A -102) Page 1A

SECTION C - NON-FEDERAL RESOURCES				
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS
8. State Broadband Data and Development Grant Program	\$ 196,000.00	\$ 519,309.00	\$ 566,000.00	\$ 1,281,309.00
9. Non-Federal				
10. Planning				
11.				
12. TOTAL (sum of lines 8-11)	\$ 196,000.00	\$ 519,309.00	\$ 566,000.00	\$ 1,281,309.00

SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ 1,556,781.00	\$ 363,724.00	\$ 436,651.00	\$ 523,182.00	\$ 233,224.00
14. Non-Federal					
15. TOTAL (sum of lines 13 and 14)	\$ 1,556,781.00	\$ 363,724.00	\$ 436,651.00	\$ 523,182.00	\$ 233,224.00

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT				
(a) Grant Program	FUTURE FUNDING PERIODS (YEARS)			
	(b) First	(c) Second	(d) Third	(e) Fourth
16. State Broadband Data and Development Grant Program	\$ 601,256.00	\$ 225,111.00	\$ 204,128.00	\$ 322,467.00
17. Non-Federal				
18. Planning				
19.				
20. TOTAL (sum of lines 16 - 19)	\$ 601,256.00	\$ 225,111.00	\$ 204,128.00	\$ 322,467.00

SECTION F - OTHER BUDGET INFORMATION	
21. Direct Charges:	22. Indirect Charges: See "Remarks" below

23. Remarks: Indirect charges for Mapping: 20.6% fixed; \$1,930,924 base; \$397,769 amount. Indirect Charges for Planning: 19% fixed; \$417,874 base; \$79,396 amount

**Combined Two Year Broadband Mapping and Planning Budget, Federal Funds and Match**

	Applicant Share	Federal Share	Total	Notes
Personnel Salaries	284,525	0	284,525	
Personnel Fringe Benefits	0	0	0	
Travel	0	2,250	2,250	
Equipment	0	83,780	83,780	This should include any hardware purchases that the grantee will make
Materials/Supplies	785,309	130,756	916,065	This should include any software purchases that the grantee will make
Subcontracts	0	1,733,154	1,733,154	
Construction	0	0	0	
Other	300,000	0	300,000	
<b>Total Direct Costs</b>	<b>1,369,834</b>	<b>1,949,940</b>	<b>3,319,774</b>	
Total Indirect Costs	0	0	0	
<b>Total Costs</b>	<b>\$1,369,834</b>	<b>\$1,949,940</b>	<b>\$3,319,774</b>	

↑ This number has been reduced by \$210,827 in the Mapping Budget and the Planning Budget has increased by \$2,370

Note: This number was listed as \$1,308,146 in the original proposal which accomodated a 5-year applicant share/match for Personnel.  
 The total 5-year amount for Personnel applicant share/match has increased from \$196,000 as stated in the original proposal to \$379,275:

- Personnel Salaries for years 1 - 2 increased from \$101,250 to \$284,525 (applicant share/match) an increase of \$183,275.
- Personnel Salaries for years 3 - 5 equal \$94,750 (applicant share/match).

Detailed Mapping Budget		YEAR 1			YEAR 2			Total	Notes
		Applicant Share	Federal Share	Total	Applicant Share	Federal Share	Total		
Personnel Salaries	Cost								
	Principal Investigator	67,500		67,500	33,750		33,750	101,250	\$104,000 @ .48 FTE
	Sub-Principal Investigator	27,225		27,225	9,900		9,900	37,125	\$228,800 @ .08 FTE
<b>Total</b>		<b>94,725</b>	<b>0</b>	<b>94,725</b>	<b>43,650</b>	<b>0</b>	<b>43,650</b>	<b>138,375</b>	
Personnel Fringe Benefits									
	None - Built into Subcontractor Blended Rate			0			0	0	
<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
Travel									
	Intra-state day trips for meetings with DCCA and Providers		1,750	1,750		500	500	2,250	9 trips @ \$250 each
<b>Total</b>		<b>0</b>	<b>1,750</b>	<b>1,750</b>	<b>0</b>	<b>500</b>	<b>500</b>	<b>2,250</b>	
Equipment									
	Computer Servers and Storage		83,780	83,780			0	83,780	
<b>Total</b>		<b>0</b>	<b>83,780</b>	<b>83,780</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>83,780</b>	
Materials/Supplies									
	Software		95,000	95,000		35,756	35,756	130,756	
	Software, Maps, Imagery, Business and 3D Data	119,000		119,000			0	119,000	
	State Provided Data	519,309		519,309			0	519,309	
	Broadband Data	90,000		90,000			0	90,000	
	Software & Platform	57,000		57,000			0	57,000	
<b>Total</b>		<b>785,309</b>	<b>95,000</b>	<b>880,309</b>	<b>0</b>	<b>35,756</b>	<b>35,756</b>	<b>916,065</b>	
Subcontracts									
	Subcontract1 - UH/PDC								FTE is Calc'd Per Year
	System Administrator		63,899	63,899		60,579	60,579	124,478	\$65/hr @ .46 FTE
	Technical Project Manager		109,516	109,516		103,157	103,157	212,673	\$70/hr @ .7 FTE
	Data Processor/Software Engineer		140,163	140,163		0	0	140,163	\$60/hr @ 1.12 FTE (1.12 FTE)
	Subcontract2 - BroadMap							0	
	GIS Analyst		470,045	470,045		0	0	470,045	\$80/hr @ 2.82 FTE (Y1 only)
	Database Administrator		35,795	35,795		0	0	35,795	\$80/hr @ .22 FTE (Y1 only)
	Subcontract3 - Akimeka/Referentia								
	Software Engineer		125,000	125,000		125,000	125,000	250,000	\$125/hr @ .48 FTE
<b>Total</b>		<b>0</b>	<b>944,418</b>	<b>944,418</b>	<b>0</b>	<b>288,736</b>	<b>288,736</b>	<b>1,233,154</b>	<b>5.83 FTE (Y1) / 1.67 FTE (Y2)</b>
Construction									
								0	
<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

Detailed Mapping Budget		YEAR 1			YEAR 2			Total	Notes
Cost		Applicant Share	Federal Share	Total	Applicant Share	Federal Share	Total		
Other	Foundation Support - Google	150,000	0	150,000	150,000	0	150,000	300,000	
Total		150,000	0	150,000	150,000	0	150,000	300,000	
Total Direct Costs		1,030,034	1,124,948	2,154,982	193,650	324,992	518,642	2,673,624	
Total Indirect Costs				0			0	0	
Total Costs		1,030,034	1,124,948	2,154,982	193,650	324,992	518,642	2,673,624	

1,449,940.00

Detailed Planning Budget		YEAR 1			YEAR 2				
Cost		Applicant Share	Federal Share	Total	Applicant Share	Federal Share	Total	Total	Notes
Personnel Salaries									
	Principal Investigator	67,500		67,500	33,750		33,750	101,250	\$104,000 @ .48 FTE
	Sub-Principal Investigator	35,000		35,000	9,900		9,900	44,900	\$228,800 @ .10 FTE
<b>Total</b>		<b>102,500</b>	<b>0</b>	<b>102,500</b>	<b>43,650</b>	<b>0</b>	<b>43,650</b>	<b>146,150</b>	
Personnel Fringe Benefits									
	None - Built into Subcontractor Blended Rate			0			0	0	
<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
Travel									
	Intra-state day trips for meetings with Planning Committee		TBD	0		TBD	0	0	
<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
Equipment									
	TBD			0			0	0	
<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
Materials/Supplies									
	TBD		TBD	0		TBD	0	0	
<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
Subcontracts									
	Subcontract1 - UH/PDC		420,000	420,000		TBD	0	420,000	
	Subcontract2 - RHD		80,000	80,000		TBD	0	80,000	
<b>Total</b>		<b>0</b>	<b>500,000</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500,000</b>	
Construction									
	TBD			0			0	0	
<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
Other									
	TBD			0			0	0	
<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Total Direct Costs</b>		<b>102,500</b>	<b>500,000</b>	<b>602,500</b>	<b>43,650</b>	<b>0</b>	<b>43,650</b>	<b>646,150</b>	
<b>Total Indirect Costs</b>				<b>0</b>			<b>0</b>	<b>0</b>	
<b>Total Costs</b>		<b>102,500</b>	<b>500,000</b>	<b>602,500</b>	<b>43,650</b>	<b>0</b>	<b>43,650</b>	<b>646,150</b>	
<b>Total Federal Costs</b>									