Application for Federal Assistance SF-424

Version 02

*1. Type of Submission	*2. Type of Application	*If Revision, select appropriate letter(s):
☐ Preapplication	☐ New	Supplemental
☑ Application	☑ Continuation	* Other (Specify)
☐ Changed/Corrected Application	☐ Revision	Supplemental

*3. Date Received:	4. Application Identifier:

5a. Federal Entity Identifier:	*5b. Federal Award Identifier:

State Use Only:

6. Date Received by State: 07/01/2010	7. State Application Identifier: 100FPAS008/0107

8. APPLICANT INFORMATION:

* a. Legal Name: American Samoa Government

* b. Employer/Taxpayer Identification Number (EIN/TIN): 97-0000676	*c. Organizational DUNS: 854994951

d. Address:

*Street1: A.P. Lutali Executive Office Building, 3rd Floor
Street 2:
*City: Pago Pago
County: USA
*State: American Samoa
Province:
Country: *Zip/ Postal Code: 96799

e. Organizational Unit:

Department Name:	Division Name:
Office of the Governor	American Samoa Economic Stimulus and Recovery Office

f. Name and contact information of person to be contacted on matters involving this application:

Prefix: Mr.   First Name: Andrew
Middle Name: Douglas
*Last Name: Berquist
Suffix:

Title: Information Technology & Communications Specialist

Organizational Affiliation:

American Samoa Government

*Telephone Number: 1-684-633-5652   Fax Number: 1-684-633-5684
*Email: andrew.berquist@doc.as

Application for Federal Assistance SF-424

Version 02

9. Type of Applicant 1: Select Applicant Type: F. U.S. Territory or Possession

Type of Applicant 2: Select Applicant Type:

- Select One -

Type of Applicant 3: Select Applicant Type:

- Select One -

*Other (specify):

*10. Name of Federal Agency:

National Telecommunications and Information Administration- US DEPT. of Commerce

11. Catalog of Federal Domestic Assistance Number:

11.558

CFDA Title:

Broadband Data & Development Grant Program

*12. Funding Opportunity Number:

*Title:

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

U.S. Territory of American Samoa

*15. Descriptive Title of Applicant's Project:

Please refer to the attached program narrative.

Attach supporting documents as specified in agency instructions.

Application for Federal Assistance SF-424

16. Congressional Districts Of: American Samoa Congressional District 1

*a. Applicant   American Samoa

*b. Program/Project: American Samoa

Attach an additional list of Program/Project Congressional Districts if needed.

N/A

17. Proposed Project:

*a. Start Date: To be Determined   *b. End Date:

18. Estimated Funding ($):

*a. Federal	$1,744,366.00
*b. Applicant	
*c. State	$393,823.00
*d. Local	
*e. Other	
*f. Program Income	
*g. TOTAL	$2,138,189.00

*19. Is Application Subject to Review By State Under Executive Order 12372 Process?

[✓] a. This application was made available to the State under the Executive Order 12372 Process for review on 07/01/2010
[ ] b. Program is subject to E.O. 12372 but has not been selected by the State for review.
[ ] c. Program is not covered by E.O. 12372

*20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes", provide explanation.)
[ ] Yes   [✓] No

21. *By signing this application, I certify (1) to the statements contained in the list of certifications** and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)

[✓] **I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: Honorable   *First Name: Togiola

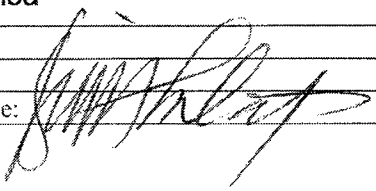Middle Name:T.A.

*Last Name: Tulafono

Suffix:

*Title: Governor of American Samoa

*Telephone Number: 684-633-4116   Fax Number: 684-633-2269

*Email: ttulafono@aol.com

*Signature of Authorized Representative: Date Signed: 7-1-10

BUDGET INFORMATION - Non-Construction Programs

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. GIS Certificate	11.558	$	$	$ 490,462.00	$ 86,280.00	$ 576,742.00
2. Addressing	11.558			404,752.00	97,844.00	502,596.00
3. Collection	11.558			354,201.00	86,250.00	440,451.00
4. Clearing House	11.558			494,951.00	123,450.00	618,401.00
5. Totals		$ 0.00	$ 0.00	$ 1,744,366.00	$ 393,824.00	$ 2,138,190.00

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1) GIS Cert	(2) Addressing	(3) Data Collection	Data Collection	
a. Personnel	$ 121,875.00	$ 31,875.00	$ 31,875.00	$ 31,875.00	$ 217,500.00
b. Fringe Benefits	20,353.00	5,323.00	5,323.00	5,323.00	36,322.00
c. Travel	24,375.00	4,500.00	0.00	13,050.00	41,925.00
d. Equipment	48,000.00	16,360.00	37,500.00	43,700.00	145,560.00
e. Supplies	0.00	0.00	110,850.00	86,250.00	197,100.00
f. Contractual	253,120.00	338,640.00	160,600.00	306,700.00	1,059,060.00
g. Construction	0.00	0.00	0.00	0.00	0.00
h. Other	0.00	0.00	0.00	0.00	0.00
i. Total Direct Charges (sum of 6a-6h)	467,723.00	396,698.00	346,148.00	486,898.00	1,697,467.00
j. Indirect Charges	22,738.00	8,053.00	8,053.00	8,053.00	46,897.00
k. TOTALS (sum of 6i and 6j)	$ 490,461.00	$ 404,751.00	$ 354,201.00	$ 494,951.00	$ 1,744,364.00
7. Program Income	$	$	$	$	$ 0.00

Authorized for Local Reproduction

SECTION C - NON-FEDERAL RESOURCES

(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS
8. GIS Certificate Program	$	$	$ 86,280.00	$ 86,280.00
9. Addressing			97,843.00	97,843.00
10.Collection			86,250.00	86,250.00
11.Clearing House			123,250.00	123,250.00
12. TOTAL *(sum of lines 8-11)*	$ 0.00	$ 0.00	$ 393,623.00	$ 393,623.00

SECTION D - FORECASTED CASH NEEDS

	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	$ 806,327.00	$ 191,728.37	$ 212,337.97	$ 217,307.62	$ 184,953.04
14. Non-Federal	0.00	0.00	0.00	0.00	0.00
15. TOTAL *(sum of lines 13 and 14)*	$ 806,327.00	$ 191,728.37	$ 212,337.97	$ 217,307.62	$ 184,953.04

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.GIS Certificate Program	$	$	$	$
17.Addressing				
18.Collection				
19.Clearing House				
20. TOTAL *(sum of lines 16-19)*	$ 0.00	$ 0.00	$ 0.00	$ 0.00

SECTION F - OTHER BUDGET INFORMATION

21. Direct Charges:	22. Indirect Charges: Base Salary Minus Fringe Benefits multiplied by 30.33% - DOI Agreed Upon
23. Remarks:	

Authorized for Local Reproduction

INSTRUCTIONS FOR THE SF-424A

General Instructions

This form is designed so that application can be made for funds from one or more grant programs. In preparing the budget, adhere to any existing Federal grantor agency guidelines which prescribe how and whether budgeted amounts should be separately shown for different functions or activities within the program. For some programs, grantor agencies may require budgets to be separately shown by function or activity. For other programs, grantor agencies may require a breakdown by function or activity. Sections A, B, C, and D should include budget estimates for the whole project except when applying for assistance which requires Federal authorization in annual or other funding period increments. In the latter case, Sections A, B, C, and D should provide the budget for the first budget period (usually a year) and Section E should present the need for Federal assistance in the subsequent budget periods. All applications should contain a breakdown by the object class categories shown in Lines a-k of Section B.

Section A. Budget Summary Lines 1-4 Columns (a) and (b)

For applications pertaining to a *single* Federal grant program (Federal Domestic Assistance Catalog number) and *not requiring* a functional or activity breakdown, enter on Line 1 under Column (a) the Catalog program title and the Catalog number in Column (b).

For applications pertaining to a *single* program *requiring* budget amounts by multiple functions or activities, enter the name of each activity or function on each line in Column (a), and enter the Catalog number in Column (b). For applications pertaining to multiple programs where none of the programs require a breakdown by function or activity, enter the Catalog program title on each line in *Column* (a) and the respective Catalog number on each line in Column (b).

For applications pertaining to *multiple* programs where one or more programs *require* a breakdown by function or activity, prepare a separate sheet for each program requiring the breakdown. Additional sheets should be used when one form does not provide adequate space for all breakdown of data required. However, when more than one sheet is used, the first page should provide the summary totals by programs.

Lines 1-4, Columns (c) through (g)

For new applications, leave Column (c) and (d) blank. For each line entry in Columns (a) and (b), enter in Columns (e), (f), and (g) the appropriate amounts of funds needed to support the project for the first funding period (usually a year).

For continuing grant program applications, submit these forms before the end of each funding period as required by the grantor agency. Enter in Columns (c) and (d) the estimated amounts of funds which will remain unobligated at the end of the grant funding period only if the Federal grantor agency instructions provide for this. Otherwise, leave these columns blank. Enter in columns (e) and (f) the amounts of funds needed for the upcoming period. The amount(s) in Column (g) should be the sum of amounts in Columns (e) and (f).

For supplemental grants and changes to existing grants, do not use Columns (c) and (d). Enter in Column (e) the amount of the increase or decrease of Federal funds and enter in Column (f) the amount of the increase or decrease of non-Federal funds. In Column (g) enter the new total budgeted amount (Federal and non-Federal) which includes the total previous authorized budgeted amounts plus or minus, as appropriate, the amounts shown in Columns (e) and (f). The amount(s) in Column (g) should not equal the sum of amounts in Columns (e) and (f).

Line 5 - Show the totals for all columns used.

Section B Budget Categories

In the column headings (1) through (4), enter the titles of the same programs, functions, and activities shown on Lines 1-4, Column (a), Section A. When additional sheets are prepared for Section A, provide similar column headings on each sheet. For each program, function or activity, fill in the total requirements for funds (both Federal and non-Federal) by object class categories.

Line 6a-i - Show the totals of Lines 6a to 6h in each column.

Line 6j - Show the amount of indirect cost.

Line 6k - Enter the total of amounts on Lines 6i and 6j. For all applications for new grants and continuation grants the total amount in column (5), Line 6k, should be the same as the total amount shown in Section A, Column (g), Line 5. For supplemental grants and changes to grants, the total amount of the increase or decrease as shown in Columns (1)-(4), Line 6k should be the same as the sum of the amounts in Section A, Columns (e) and (f) on Line 5.

Line 7 - Enter the estimated amount of income, if any, expected to be generated from this project. Do not add or subtract this amount from the total project amount, Show under the program

INSTRUCTIONS FOR THE SF-424A (continued)

narrative statement the nature and source of income. The estimated amount of program income may be considered by the Federal grantor agency in determining the total amount of the grant.

Section C. Non-Federal Resources

Lines 8-11 Enter amounts of non-Federal resources that will be used on the grant. If in-kind contributions are included, provide a brief explanation on a separate sheet.

> **Column (a)** - Enter the program titles identical to Column (a), Section A. A breakdown by function or activity is not necessary.
>
> **Column (b)** - Enter the contribution to be made by the applicant.
>
> **Column (c)** - Enter the amount of the State's cash and in-kind contribution if the applicant is not a State or State agency. Applicants which are a State or State agencies should leave this column blank.
>
> **Column (d)** - Enter the amount of cash and in-kind contributions to be made from all other sources.
>
> **Column (e)** - Enter totals of Columns (b), (c), and (d).

Line 12 - Enter the total for each of Columns (b)-(e). The amount in Column (e) should be equal to the amount on Line 5, Column (f), Section A.

Section D. Forecasted Cash Needs

Line 13 - Enter the amount of cash needed by quarter from the grantor agency during the first year.

Line 14 - Enter the amount of cash from all other sources needed by quarter during the first year.

Line 15 - Enter the totals of amounts on Lines 13 and 14.

Section E. Budget Estimates of Federal Funds Needed for Balance of the Project

Lines 16-19 - Enter in Column (a) the same grant program titles shown in Column (a), Section A. A breakdown by function or activity is not necessary. For new applications and continuation grant applications, enter in the proper columns amounts of Federal funds which will be needed to complete the program or project over the succeeding funding periods (usually in years). This section need not be completed for revisions (amendments, changes, or supplements) to funds for the current year of existing grants.

If more than four lines are needed to list the program titles, submit additional schedules as necessary.

Line 20 - Enter the total for each of the Columns (b)-(e). When additional schedules are prepared for this Section, annotate accordingly and show the overall totals on this line.

Section F. Other Budget Information

Line 21 - Use this space to explain amounts for individual direct object class cost categories that may appear to be out of the ordinary or to explain the details as required by the Federal grantor agency.

Line 22 - Enter the type of indirect rate (provisional, predetermined, final or fixed) that will be in effect during the funding period, the estimated amount of the base to which the rate is applied, and the total indirect expense.

Line 23 - Provide any other explanations or comments deemed necessary.

ASSURANCES - NON-CONSTRUCTION PROGRAMS

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 (0348-0040), Washington, DC 20503.
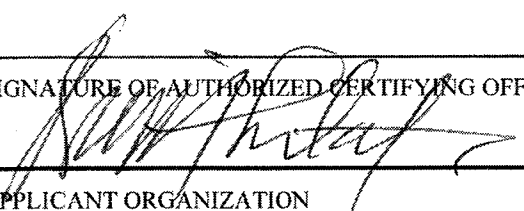
PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

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 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 cost) 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, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.

3. 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.

4. 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.

5. 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).

6. Will comply with all Federal statutes relating to nondiscrimination. 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 of 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 VII 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.

7. 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 or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.

8. Will comply, as applicable, with 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.

9. 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 subagreement.

10. Will comply, if applicable, 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.

11. 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 flood plains 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).

12. 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.

13. Will assist the awarding agency in assuring compliance will 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.).

14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.

15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. 2131 et seq.) Pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.

16. 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.

17. 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-133, "Audits of States, Local Governments, and Non-Profit Organizations."

18. 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 Governor of American Samoa
APPLICANT ORGANIZATION American Samoa Government	DATE SUBMITTED 7-1-10

AMERICAN SAMOA GOVERNMENT

OFFICE OF FEDERAL PROGRAMS
Office of the Governor
Department of Commerce
Pago Pago. American Samoa 96799
Tel: (684) 633-5155/4116   Fax: (684) 633-4195/2269

Togiola T. A. Tulafono
Governor

Faoa A. Sunia
Lt. Governor

Faleseu E. Paopao
Director

July 1, 2010

Serial:

Honorable Togiola T.A. Tulafono
Governor
American Samoa Government
A.P. Lutali Executive Office Building. 3rd Floor
Pago Pago, American Samoa 96799

Re: Supplemental Application for the American Samoa Broadband Data & Development
        Grant Program, State Application Identifier (SAI) No. 10OFPAS008/0107–
        CFDA No. 11.558

Dear Governor:

The above-referenced application for federal assistance has been reviewed in accordance with Presidential 12372, Catalog of Federal Domestic Assistance, Gubernatorial Memoranda Nos. 75-1997, 025-2001, 076-2001, and 221-2005, as well as Territorial Grant Clearinghouse Handbook.

This is a request for $1,744,366 in federal assistance in addition to the originally awarded $1,057,581, ($557,581 for mapping and $500,000 for planning respectively). The additional funding would allow the Territory to continue its goals for the State Broadband Data and Development Grant Program. An allocation of $512,723 is for a GIS Certification Program. Discussions between the American Samoa Community College, public and private institutions, as well as the establishment of this program have been on-going since February of this year. This program would expand GIS skills for existing or new employees within the public and private workforce.   An allocation of $494,703 is also in place for improving the addressing system in the Territory. Presently, there is no method to pinpoint a location on the island, aside from the physical coordinates of a location. These funds aim to lay a foundation for the establishment of an addressing system, either built upon forthcoming road names or some form of geo-coding system. The product that comes from this can be used for public and private utilities in addition to improving 911 and emergency services. A total of $432,398 is also allocated for continued data collection for broadband information with the BIP award given to ASTCA this spring. We must continue doing data collection to map and measure the growth of the infrastructure as a result of the funds. The development of a broadband and GIS clearinghouse for geospatial information in the Territory is slated for $610,348.

It appears that relevant Federal regulàtions have been complied with, and that no conflict or inconsistency with territorial statue, plan, program or policy exists, the above-referenced grant application is hereby cleared --upon your approval - for official submittal to. and consideration for funding by the National Telecommunications and Information Administration of the U.S. Department of Commerce.

Sincerely.

PAT M. GALEAI
Director, Office of Federal Programs
American Samoa Single Point of Contact (SPOC)
ASG Federal Grants Coordinator

Enclosures

cc: Faleseu Eliu Paopao, Director, ASDOC
    Andrew Berquist, Acting Project Manager Broadband Data & Development, ASDOC
    Daniel Perrone. Chief Executive Officer, Broadmap, LLC

OFFICE OF THE GOVERNOR

Pago Pago, American Samoa 96799

July 1, 2010

Serial:

Lawrence Strickling
Assistance Secretary for Communications & Information
National Telecommunications and Information Administration
U.S. Department of Commerce
Herbert C. Hoover Building
1401 Constitution Avenue NW
Washington, D.C. 20230

Dear Mr. Strickling:

This letter is to affirm my continued support of the State Broadband Data & Development Grant Program within the U.S. Territory of American Samoa. To ensure that this grant program will achieve the utmost success we have placed the program in the hands of the Territory's top specialists at the American Samoa Department of Commerce, via a Memorandum of Understanding.

The current mapping and planning project will allow us to take a 'snapshot' of the current state of the Territory's broadband infrastructure. With the American Samoa Telecommunications Authority (ASTCA) having received a BIP award of $92 million dollars this year, the Territory must accurately map the continued growth of our broadband infrastructure so we can measure the results of infrastructure improvements as a result of the BIP funding; in addition to any other potential BTOP or BIP funding the Territory may receive.

In addition to continued mapping efforts, the education of our people in this time of economic crisis in the Territory is an essential need to expand the knowledge base of individuals. I believe the development of a solid GIS curriculum in partnership with our Community College will allow us to not only provide GIS Technicians to local telecommunications providers, but would also allow us to provide GIS Technicians to other essential parts of our government and private sector.

I strongly believe that continued federal support of the State Broadband Data & Development Grant Program is essential to both the economic development and to the understanding and analysis of the broadband infrastructure in the Territory.

Sincerely,

TOGIOLA T.A. TULAFONO
Governor of American Samoa

cc: Mr. Faleseu Eliu Paopao, Director of Commerce
    Mr. Pat M. Galeai, Director of ASESRO

State Broadband Data and Development

Program

Amended and Supplemental Grant

Application Narrative

U.S. Territory of American Samoa

June 2010

Contents

Project Abstract

As the Eligible Entity for the U.S. Territory of American Samoa (the Territory), The Office of the Governor has partnered with contracted vendors to collect and verify broadband availability data, including speed and type of technology, following the NOFA specification in the SBDD program. The Office of the Governor is also engaging local partners to support broadband planning efforts focused on collecting broadband adoption information to identify barriers to adoption and the creation of a comprehensive adoption blueprint for the State.

Current Funding: Mapping = $558,000; Planning = $500,000

In support of continuing its success with broadband efforts, the Territory, through its relationship with the vendors, has identified four additional project areas by which to engage the SBDD Grant Program as part of the SBDD years 3 - 5 funding application including:

Data Collection, Integration, Verification and Display

Description: Continuation of data collection, validation, verification, enhancement and introduction of additional mapping attribution and geo-referencing on a third-party-supported GIS mapping platform and geospatial data set accompanied by a transition of this platform to the Territory during year five of the SBDD program.

Data Collection, Integration, Verification and Display —Address Improvement

Description: The introduction of sustainable address file improvement processes and geospatial data set interaction enhancements for both populated and rural areas to support broadband adoption and implementation services. Supporting this project would be an integrated feedback loop at both a municipality and address point level.

Technical Assistance—Broadband GIS Certification Program

Description: Development and delivery of a GIS industry-expert-approved educational program that incorporates a curriculum that certifies participants in the application of GIS competencies to broadband applications. The Territory would work with local and national organizations to develop and offer a means of delivering a certification meeting standards of other technical certification programs to ensure a ready pool of locally based GIS broadband expertise is available to address current and future needs.

Application Usage and Development: Broadband Policy Effectiveness GIS Asset Repository

Description: Design, development and deployment of a GIS asset repository that integrates all of the GIS geospatial data assets associated with assessing, analyzing and forecasting broadband policy effectiveness and optimization of broadband assets across all Territory agencies, federal grant programs and forthcoming implementation efforts.

Requested Budget by Project

Project	Requested Budget				
	Yr2	Yr3	Yr4	Yr5	Total
Data Collection	NA	$141,459	$110,399	$94,199	$346,057
Address Improvement	$175,165	$92,674	$64,384	$64,384	$396,607
BB GIS Certification Program	NA	$280,519	$111,094	$94,019	$485,632
BB GIS Clearinghouse	NA	$291,729	$104,399	$90,679	$486,807

SBDD Data Collection, Integration, Verification and Display

Funding Overview

Current Funding Award (Years 1-2)	$558,000
Additional Funding Request (Years 3-5 including supplementation of Territory address file)	$742,664
Total Funding Request	$1,300,664

Overview

The following describes the current proven methodology for Data Gathering, Data Integration, Data Verification and Data Display for the Broadband Mapping project and the proposed continuation of these efforts through years 3-5. In addition, we are proposing an expanded effort for address file development and additional data supplementation for Territory address file.

Data Gathering

Broadband Service Area, Middle Mile Aggregation Points and Broadband Service Overview

The collection of Broadband Service areas, Middle Mile Aggregation points and Broadband Service Overview information is handled through Contractor's established Provider Outreach Process:

- Build and Maintain an Inventory of Broadband Providers through research and Territory inputs.
- Update Provider Material that describes information we need and logistics for data transfer.
- Update NDA for use in project.
- Continue Relationships with Territory-wide and National Alliance groups to foster cooperation.
- Continue Relationships with each Broadband Provider and identify appropriate contacts.
- Maintain a secure Data transfer protocol using SFTP technology.
- Engage in one-on-one technical meetings to ensure understanding and expectations with Provider.
- Walk Provider through Data Upload SFTP site.
- Download and Processing of Provider Data.
- Allow Provider to examine generated coverage patterns and data layers for verification.
- Adjust and tune coverage as necessary.
- Continue to work with Provider to establish a repeatable process.
- Assist with data preparation with Provider as necessary.
- Maintain records throughout Provider Communication and data handling process (dates contacted, data received, etc.)

The Collection of Community Anchor Institution (CAI) Data

The collection of CAI information is handled through Contractor's established CAI collection Process:

- Maintain Inventory of CAIs through Data Mining, Research, and Territory inputs
- Maintain web- based CAI portal for institutions to interactively add or confirm attribution, location and enter broadband-specific information.
- Maintain Inventory of CAIs through Data Mining, Research and Territory inputs.
- Maintain outreach campaign via mail, e-mail or other means as necessary (group conferences, etc.).
- Upload web-based data to Core Database for internal cleansing and processing.
- Translate internal data to deliverable ready format.
- Identify internal data.
- Create secondary campaign to target CAIs who have not responded and repeat as necessary.

Process for Data Integration
Contractor has developed robust data integration and processing mechanisms that effectively translate incoming data sources to the product deliverables. This process allows for multiple types of inputs and results in a standardized output that meets the requirements for the Territory and NTIA deliverables. This process will continue to be modified and/or enhanced to suit the needs of the project continuation in years 3-5.

- Receive Inputs from Providers via SFTP
- Load source material into Sourcing Database and catalog with Provider information.
- Categorize input into data type category (addresses, block lists, coverage areas, paper maps, etc.).
- Process input based on data type into core standardized format in Staging Database.
- Create Compact Polygons (CP)—(internal methodology for generating area based feature for coverage in Staging Database).
- Apply broadband attribution to CP.
- Apply metadata to CP.
- Compare coverage area to available commercial collateral.
- Compare coverage area to third-party data sets.
- Request for more information if required data elements are missing or coverage discrepancies exist to sourcing team for follow-up with Provider.
- Load CP to Core Database.
- Process coverage area to build Census Block and Street Level geography for deliverable input.
- Process Middle Mile attribution.
- Process input data into Service Overview internal format.
- Process CAI data input into internal format.
- Create Product Deliverable based on NTIA and Territory-level requirements and according to MapConnect™ Broadband specification.

Data Display and Data Delivery
Contractor has developed processes that allow for standard delivery of Static NTIA and Territory deliverables as well as an Online Web application for use by the Territory for their Broadband Mapping Program giving access to internal Territory stakeholders as well as the general public.

- Static Deliverables to Territory and NTIA:
  Contractor has developed the MapConnect™ Broadband specification that mirrors the NSGIC File Geodatabase model for the broadband layers and has been successfully delivered to the satisfaction of the NTIA and Territory Partners. This process will continue and enhancements/modifications will be made as necessary throughout the continuation of this project under this request for continuation.

- Online Web Mapping Application:
  Contractor is in the process of developing and maintaining Territory Level Broadband Mapping Portals that allow on-line interactive maps to suit the needs of the Territory's broadband mapping applications. Under this proposal, this activity will continue through years 3-5 with additional modification and/or enhancements as directed by the Territory and NTIA stakeholders.

Data Verification

Contractor has developed a holistic approach to data validation. Following the initial mapping of providers' coverage area and serviceability claims, the project team deploys the following methods for verification of data. This activity will continue through years 3-5 under this proposal.

- **Third-Party Data Verification:** Visually and programmatically compare the coverages against third-party aggregate data.

Third-Party Data	Data Product
Media Prints	Cable Boundaries
American Roamer	Wireless Provider Footprints
Pitney Bowes	Telco Exchange Boundaries Central Office Locations
ComSearch	Spectrum Holdings License Boundaries

- **Broadband Provider Feedback Loop:** Allow carriers to review their data displayed through a controlled web interface to ensure that accurate information was supplied.
- **Sampling:** Creating a geographically distributed sample set of locations for which a follow-up survey will be conducted surveying business and residential consumers through various means such as direct calling, online surveying and e-mail campaigns.
- **Crowd Sourcing:** This is also deployed via the web to the public in order to solicit location, serviceability and Internet diagnostics that can be gleaned (i.e. speed tests).

Security and Confidentiality
Contractor does not propose any changes to its current methodologies for handling of Confidential Information. To address data security and confidentiality, we will be using the security, access-control, authentication and authorization services built into many of the applications described herein. In brief, our security protocol is two-fold: IT-based (role-based user/password and IP-locking as examples) and metadata-based (explicit identification of confidential data within the system to ensure that it is filtered, summarized or otherwise reduced to an acceptably non-confidential level in publicly accessible interfaces).

Address File Development

The two most important geographic data components of the broadband initiative are broadband availability extent and *address location.* Providing accurate tabulation of broadband availability by address or even by Census Block using address information requires locating each address and determining its service. There are numerous methods of locating addresses, each with associated resulting accuracy expectations. Since broadband availability for many technologies can vary even within a large parcel, it is important to locate addresses at as high a positional accuracy as reasonably possible.

It is well understood that not all States and Territories have at their disposal highly accurate address data that can be leveraged for this purpose and the Territory is no exception. Particularly in States with larger rural populations and underdeveloped GIS systems, this problem is pervasive. In addition, while TIGER/Line® files are readily available, they are not at the level of accuracy or completeness needed to satisfy the intent of the Broadband Mapping Project. The result of using poor or inadequate address resources in the context of the Broadband Data Mapping project is a skewed or inaccurate view of the actual broadband serviceability for the Territory's residences and businesses at the detailed level.

Proposed Solution

Contractor's approach to solving this problem is through an exhaustive research and compilation methodology that aims to create the most cost-effective and accurate data set, leveraging wherever possible existing address data for this purpose.

The end result of this process will be a Master Address File (MAF) by which all known addresses in the Territory will be identified and correlated with a discrete latitude and longitude for location identification. An address defines the physical location where services (in this case broadband services) are or are not currently delivered. In addition, physical addresses are used for other critical government functions such as emergency 9-1-1 response. The MAF is a fundamental data set that is easily understood by GIS and non-GIS people in the public sector, the private sector and within the public at large. As a key component of this grant application, the project team proposes to augment its broadband service area mapping solution via the collection/acquisition of a complete set of address data points across the Territory.

The Project Team's approach to creating a MAF is a pragmatic approach that balances the need for good addresses (as a fundamental basis for understanding broadband availability and gaps) against the limitations posed by schedule and budget. We understand that having the most perfect address file is a long-term goal and a start is needed to achieve that goal. With that in mind, our approach is one that allows for the creation of a good initial Territory-wide data set with the aim that local efforts can build upon the initial investment and incrementally improve the data and maintain it over time.

Approach
- Evaluate all available address sources (i.e. Commercial address sources, Parcel data layers, UPSP, Territory, County and Local government sources) by working with data providers and Territory /local entities.
- Standardize Sources into a single spatial reference (geocoded as necessary).
- Stitch Sources into one exhaustive file.
- Perform Gap Analysis—address file completeness and locational accuracy studies.
- Fill Gap: Use various approaches to complete a comprehensive file (this can be done through source acquisition or source build out depending upon availability and quality).
- Ingestion: As all "Fill Gaps" techniques generate data, it needs to be merged back into the core data set appropriately. This has several sub-steps:
    - Conflation: automated resolution of multiple sources for the same features, attributes and geographic areas.
    - Editing: manual or semi-automated editing of the data.
    - Conflict resolution: this is also editing, but guided by conflicts detected during quality tests throughout the ingestion process.
- MAF Build and Extraction: Once the database is fully built and passes all quality tests, it is then extracted into the ultimate product model and format.
- Quality Control: This can include field validation as well as imagery evaluation techniques and crowd sourcing activities.
- Create a maintenance system and program for the continual stewardship of the data for use beyond the scope of this project.

Key Benefits

- Higher level of accuracy for broadband data reporting and planning activities.
- Single repository of Territory Address inventory to support multiple Territory agency needs.
- Consistency of location information across Territory agencies.

Supplemental Proposal for Years 3-5 Broadband Mapping Program - Other SBDD Programs

Name: Broadband GIS Certification Project

This Project will develop and deliver a GIS certification capability in support of creating a local talent pool of certified GIS professionals to address expanding and emerging broadband implementation and management initiatives that require GIS expertise.

Funds Awarded:
$0

Funds Requested:
$485,632

Problem:

Currently, the application of GIS knowledge, competencies, tools and software to address the expansion of broadband services is dominated by consulting and engineering services firms. Territories that desire to apply GIS capabilities to their broadband initiatives must often contract with these firms at a premium price and risk knowledge transfer/loss issues at the conclusion of the initiative. This approach creates no internal GIS competency within the Territory and develops a costly dependence upon third parties to achieve GIS objectives within broadband initiatives.

Solution:

The Broadband GIS Certification Project ("The Project") will bring together stakeholders from several entities to partner in the development of a sustainable means to educate and certify students in the GIS profession. The Project will address seven critical activities in the deployment of a professional learning program to certify GIS professionals. These activities not only cover curriculum-related elements but the entire life cycle to make available a talent pool from which the Territory can draw in support of its broadband and other GIS initiatives, including:

Key Activities

1. Certification Scope and Design
   a. Certification Definition;
   b. Certification Criteria;
   c. Curriculum Development;
   d. Learning Content Creation;
   e. Learning Activity Development;
   f. Learning Achievement Development.
2. Certification Acknowledgement
   a. Advisory Board Development;
   b. Governing Body Recognition.
3. Certification Life Cycle Management
   a. Initial Certification;
   b. Certification Renewal;
   c. Work Experience Evaluation;
   d. Continuing Education Credit Evaluation;
   e. Certification Lapse.

4. Learning Content Maintenance
    a. GIS Certification Knowledgebase;
        i. Core Design and Development
        ii. Leading Practices Initialization
    b. Case Study Design and Development;
    c. Research Assignment Design and Development.
5. Learning Administration and Enrollment
    a. Enrollment Management;
    b. Materials Inventory and Distribution;
    c. Learning Results Capture.
6. Learning Delivery
    a. Certification Platform Design;
    b. Hands-On Study Design and Development;
    c. E-Learning Design and Development;
    d. Group Study Design and Development.
7. Outreach and Placement Services
    a. GIS Professional Profile Management;
    b. GIS Job Posting Portal.

Project Phases & Schedule

The Project activities will occur over five structured phases, as follows, with project management phase gates following each phase:

Phase	Description	Schedule
Planning and Mobilization	Identification and engagement of stakeholders, project partners and finalization of project management infrastructure to achieve desired outcomes.	Week 1 thru Week 4 (4 Weeks)
Analysis & Design	Research, specification, approval and design of learning content, certification criteria, governance, learning management life cycle and learning delivery.	Weeks 5 thru Week 16 (12 Weeks)
Development	Development, testing and production readiness of design deliverables.	Week 17 thru Week 32 (16 Weeks)
Deployment	Roll-out of program to identified learning certification managers (e.g., community colleges, internal learning environments).	Week 33 thru Week 36 (4 Weeks)
Maintenance & Operations Stabilization	Implementation and operation of certification content, platforms, administration and governance/authority through identified stabilization period.	Week 37 thru Week 60 (24 Weeks)

Phase	Description	Schedule
Transition to Territory Appointed Authority	Transition of operations, content, platforms, and governance/authority model to appointed authority.	Week 61 thru Week 68 (8 Weeks)

Learning Content Inventory

The Project will formalize an interactive and related set of certification content that incorporates multiple learning delivery modes (hands-on, self-study, e-learning, group work, research assignments) in the following subject areas:
- Introduction to Geographic Information Systems and Fundamentals of GIS Analysis.
- Fundamentals of Remote Sensing and Advanced Spatial Analysis.
- Customization and GIS Management/Implementation.
- Spatial Databases and Internet Based GIS.
- GIS/Cartography and Business Applications for GIS.

Stakeholder Collaboration

The Project will require the collaboration of several partners in the design, development and deployment of the certification program during the project period, with the eventual transition of the program to an appointed certification authority. Partners in The Project include:
1. Certification Authority—typically from a local academic organization.
2. Governance and Advisory Board—typically comprised of Territory GIS and Professional Association members.
3. GIS Content Expert—typically from GIS specialty firm.
4. Learning Delivery Specialist—typically from a local academic organization.
5. Learning Platform and Content Management—typically from an application design and development firm.
6. Certification Lifecycle Management, Outreach and Placement—typically from a program management firm.

Outcomes and Benefits:

The Project will create outcomes and benefits in the following key areas for the Territory:

Outcome	Benefit Realization
Certified GIS Talent Pool	• Local job creation opportunities that enable effective deployment of Broadband initiatives requiring GIS skills. • Decreased dependence on high-cost third parties for GIS expertise.
Sustainable GIS Certification Infrastructure	• Learning Management and Delivery System that incorporates standardized GIS certification processes and content.
GIS Certification Knowledgebase	• A sustainable knowledgebase of GIS content and leading practices that is deployable against Broadband initiatives requiring GIS expertise.
GIS Advisory Board	• An identified authority to act as a steering body to ensure the relevance and application of GIS certification against Territory-based needs.

Outcome	Benefit Realization
GIS Placement & Outreach	• A means to manage the supply and demand of GIS expertise against the emerging needs of Territory Broadband initiatives.

These outcomes and benefit realization efforts are fully transitioned to a Territory-appointed custodian for operations and maintenance by the second year of The Project.

Cost:

The cost of the proposed project consists of dedicated labor across several collaborating partner groups and the repurposing of internal learning management system capabilities to administer the GIS certification process, content and governance. Considering these factors across the performance period and effort hours results in a project estimate of $485,632.

SBDD Purpose:

The primary SBDD purpose for this project is to create a sustainable talent pool of certified broadband GIS talent within the Territory to support job creation and as Broadband service implementation services occur and the Territory seeks to perform GIS Broadband analysis in support of policy making and investment decisions. This project relates to this purpose by facilitating the identification of Broadband opportunities and optimizing the value of Broadband services in several critical aspects such as:

- Understanding what services are available where.
- How Broadband services are aligned with Territory policy initiatives.
- Who is adopting these services to advance policy objectives.
- What socio-economic impact service adoption is having.

All of these aspects require a GIS-enabled perspective to effectively analyze, visualize, forecast and associate them with the SBDD program. This Project is designed to create a sustainable talent pool and infrastructure to certify GIS capabilities in support of Territory Broadband initiatives at a competitive cost point.

Other Name: Broadband & Geospatial Data Clearinghouse

Execute the design, development, and deployment activities needed to accelerate Broadband application development and usage throughout Territory by creating the Broadband & Geospatial Data Clearinghouse. This project will serve as an extension of existing GIS repository capabilities and as an incremental application serving Territory based GIS / Geospatial data needs supporting identified Broadband requirements.

Funds Awarded:

$0

Funds Requested:

Broadband & Geospatial Data Clearinghouse   - $486,807

Problem:

Currently critical broadband and geospatial data, applications and tools from varying sources reside in different environments and are not easily integrated for use. All levels of government within the Territory have data and tools that could prove useful to other government entities and constituents within the Territory and nationally, but these resources are typically not known or, if they are known, accessing these resources is cost prohibitive and technically challenged.

Solution:

The Territory requires a solution consisting of a "Broadband & Geospatial Data Clearinghouse" to address the key Broadband and GIS assets from each geospatial data initiative and create a set of portal services where all critical data, applications and tools can coexist in a common, linked repository. Once deployed, a fully functional clearinghouse will impact all areas of government within the Territory utilizing Broadband or Geospatial data.

The clearinghouse application will focus on incrementally reposing data associated with demographic and asset sub-categories that are critical in supporting Broadband policy effectiveness and analytical insight. The following features are incorporated into the clearinghouse solution:

Feature	Description
Common Services	The clearinghouse will come with public and secure access portals. Common portal services will incorporate a permission-based user approach to include: read, contribute, edit, download, delete. The portal will incorporate secure dialog / interaction services to enhance its utility (e.g., comment blog, remediation request, and knowledgebase).
Data File Catalog	The Territory-wide Data File Catalog is the starting and ending point for GIS data providers and consumers in the Territory. The Clearinghouse accepts and catalogs GIS data and captures metadata through an intuitive and user friendly interface.
Open Geospatial Consortium (OGC) Web Feature Service (WFS)	An Open Geospatial Consortium (OGC) Web Feature Service (WFS) provides an interface allowing requests for geographical features across the web using platform-independent calls

Feature	Description
	and defines interfaces for describing data manipulation operations of geographic features.
Application Catalog	The Applications Catalog is a listing of applications that can consume data files and web map services in the data clearinghouse, by data theme. Each application listed indicates its version, metadata, and any available supporting documentation.
Maps Catalog	The Maps Catalog is a listing of static maps in the data clearinghouse, by data theme. Many data formats are supported, including PDF and JPG. Registered users can search or browse for maps, load new maps, and update existing maps. Users can also choose to include metadata and supporting documentation with their map downloads, which also indicate version and date.

The solution will utilize a three-phase concept-to-deploy (C2D) approach. The C2D approach optimizes resources by collapsing several components of an enhancement / development program into a more streamlined set of activities supporting rapid design and delivery.

The C2D approach includes:

Concept Phase: In this phase a series of information requests and data gathering exercises are conducted with the support of the Territory to inventory Broadband availability and critical infrastructure information, identify owners of this information, assess the environments associated with the data, understand the utilization of the data and discover the means by which Broadband availability and critical infrastructure are integrated into services and managed for consumption. The outcome of this phase is a conceptual clearinghouse delivery model that identifies the scope and focus as well as finalization of all data acquisition tasks required to mobilize the clearinghouse environment.

Iteration Phase: In this phase engineers, portal developers, solution analysts and content specialists perform a series of iterative design/build activities to establish the clearinghouse environment, organize data sources, populate portal services, formalize data management services and establish portal security services. The outcome of this phase is a user-ready Broadband availability and critical infrastructure clearinghouse.

Deployment Phase: In this phase a series of testing activities, service initialization and user interactions are managed to ensure the integrity of the clearinghouse and provision access to the clearinghouse. In addition, critical change management activities and training associated with using the clearinghouse to support Broadband availability data needs and capture feedback from the user population that can be incorporated into a larger clearinghouse program. The outcome of this phase is a production clearinghouse servicing the needs of both the general population and those of the Territory, Regional and Municipal governments as well as the Broadband service providers.

The end-state deliverable is a functional production Broadband & Geospatial Data Clearinghouse that is jointly managed by the Territory and Contractor during the program period and represents the design framework and value drivers identified during the Concept Phase.

Schedule and Deliverables

Phase	Deliverable	Description
Concept (8 – 12 Weeks)	Clearinghouse Concept Specification	Design-ready specification that defines /validates all services, content, assets and utilization profile for the clearinghouse.
	Inventory of all Broadband Availability and Critical Infrastructure Assets	Comprehensive listing of Assets, owners, license rights, update schedule, utilization profile and data dictionary for all possible assets.
Iteration (16 – 20 Weeks)	Portal Framework	Design and inventory of portal "look & feel" in combination with all defined services required to enable portal.
	Portal Content	Narrative text and publishing method for all content.
	Broadband Availability Assets	The data sets, data dictionaries, map visualizations, reports, tools to be represented and made available via the portal.
	Portal Services Specification	Technical definition and development criteria for all services made available through the portal and required to support the portal environment.
Deployment (4 – 8 Weeks)	User Inventory	Listing of all user levels and user criteria necessary to establish security services and data services within the portal.
	Training Plan and Content	The means and material that will be used to educate users and ensure a positive user experience during the Deployment.
	Production go-live Plan	A structured set of activities and checklist that ensures a flawless go-live of the clearinghouse.
Enhancement & Maintenance / Operations (62 Weeks)	Clearinghouse Functionality	Additional functionality integrated into the clearinghouse based on user requirements; maintenance of environment and transition of capability into Territory GIS area.
Transition (8 weeks)	Work Plan & Operational Clearinghouse	A structured set of activities, content, artifacts and standardized production support processes that enable Territory IT operations.

Outcomes and Benefits:

A key outcome of the Territory's "Broadband & Geospatial Data Clearinghouse" project is alignment with the broader efforts of the Federal Geographic Data Committee (FGDC), under Presidential

Executive Order 12906 that defined the National Spatial Data Infrastructure (NSDI) as "the technology, policies and standards necessary to acquire, store and distribute critical geospatial data." This is further detailed in the Office of Management and Budget (OMB) Circular A-16. The NSDI "assures that all critical spatial data and applications from multiple sources (federal, state, local and tribal governments, academia and the private sector) are available and easily integrated."

With this, the NSDI in coordination with the Nation States Geographic Information Council (NSGIC) created the Fifty States Initiative. The clearinghouse strategy is to implement an appropriate model for Territory-wide coordination of geospatial information, technologies and data production. A fully functioning clearinghouse with the appropriate inventory, editing, application and distribution tools will be made available to all interested sectors within the Territory, which is also aligned with another key open government solution, data.gov.

A clear benefit from the Clearinghouse is its utility as a portfolio of GIS data links and geospatial data sets as well as an environment that incorporates application / tool capabilities to enable authorized users view and create data analysis relevant to Broadband and geospatial data initiatives. The clearinghouse application services / tools will incorporate both analytical services such as demographic/economic analysis and Broadband asset analysis (e.g., tower data, telecomm boundaries) as well as infrastructure tools that allow user to contribute GIS assets and coordinate feedback and authorization for these assets.

Another benefit from the Clearinghouse will be harmonization across a common data dictionary and meta-data layers associated with GIS services and geospatial data. This will be achieved over time applying data stewardship principles combined with automated extract / transform / load (ETL) capabilities. The harmonization benefit supports value via applying naming conventions and data relationships across geospatial data in a standardized format for a common GIS data model at the Territory level in agreed to GIS data domains. The outcome of harmonization will be the fact that the same GIS information acquired from separate in-Territory repositories will no longer deliver different results requiring additional remediation efforts and analysis to determine the correct answer. Users, analysts and policy stakeholders can be confident in a single "database of record" for key GIS data elements.

Cost:

The cost of the proposed project consists of dedicated labor across several collaborators and Territory entities, hardware and software to develop and support the new environment and travel to facilitate the design and deployment of the new environment.

The estimated cost for this project is $486,807 based on the new development of a Broadband & Geospatial Data Clearinghouse with much of the technical infrastructure provided by the Territory.

SBDD Purpose:

The primary purpose for this project is to facilitate an environment that enables information exchange regarding use and demand for broadband services between public and private sector users. Additionally, this project extends Territory geospatial data capabilities with a series of applications and tools that enable data contribution, data feedback loops and data analysis capabilities. The clearinghouse platform facilitates the exchange, utility and value of broadband data between the public and private sector.

Project Proposal Fit with the Territory's Digital Economy Approach

The digital economy in the Territory represents the network of economic and social activities that are enabled by platforms requiring access to broadband services. A successful digital economy is essential for the Territory's economic growth and our ability to enhance the quality of life for our citizenry. Incrementally, the digital economy is a driver of the enduring effectiveness and competitiveness of the Territory's businesses, educational institutions, social institutions, and public service capabilities. The Territory's comprehensive approach in leading digital economy efforts is to offer new opportunities for businesses, policy makers, and individuals to connect, collaborate, and increase the productivity of these interactions toward the well being of our entire citizenry regardless of proximity to major cities. The Territory is committed to maximizing opportunities for all citizens to benefit from the digital economy via stewardship, effective policy making and strategic infrastructure investments. This commitment reflects the Territory's recognition that a world-class digital infrastructure is a key input for our future—similar to electricity, gas and water.

However, to fully develop the Territory's digital economy, it is essential to understand, steward and accurately represent the current capabilities of our digital infrastructure and how broadband services play a role in accessing this economy. To realize the benefits of what the digital economy represents, the Territory maintains it must take steps to achieve the maximum participation of Territory households, businesses and institutions in the digital economy. Through the SBDD grant projects indentified for the Territory, it is our intent to begin realizing digital economy benefits and continue positioning opportunities for businesses and individuals to participate in the digital economy.

Through the Territory's "Data Collection and Related Activities" project area including **Repeated Data Updating** and **Address File Improvement** projects, the Territory continues the stewardship role for understanding and enhancing its broadband service inventory while introducing mapping accuracy enhancements via address file improvements. Creating and delivering the most accurate and geographically relevant map visualizations / geospatial data representations enables policy makers, infrastructure suppliers, businesses and individuals to pursue and influence new opportunities and interactions in support of broadband investment and deployment efforts. The SBDD Grant Funds applied for in this area support the evolution of our digital economy efforts by sustaining our existing geospatial data and digital mapping capabilities while supporting the policy development required to enhance broadband connectivity and service level improvement. Additionally, these funds sustain our ongoing submission of data to National Broadband Mapping efforts in support of broader economic and social objectives.

Through the Territory's "Other SBDD Program Purposes" project area, we have identified both **Technology Assistance** and **Application Usage and Development** projects to specifically advance our digital economy capabilities.

In the case of **Technology Assistance**, the Territory's "GIS Certification" project ensures an affordable and qualified local talent pool of resources is available to supply the GIS technical competency required to expand broadband services. Enhancing the Territory's digital economy via increased broadband services cannot rely solely on vendor supplied GIS talent pools. This is not economically prudent and introduces high degrees of risk relative to knowledge transfer and business continuity. The "GIS Certification Project" is aligned with the Territory's need to support creation of local jobs / skills to deliver and maintain the digital economy infrastructure that is reliant on GIS technical competencies.

In the case of **Application Usage and Development,** the Territory's "GIS Clearinghouse" project introduces a common repository for the GIS assets used to analyze, visualize and develop broadband policy and broadband service effectiveness. It is the Territory's position that unilateral municipality geospatial data and "one-off" GIS analysis does not result in broadband investment optimization. In order for the Territory to maximize opportunities for all citizens to benefit from the digital economy, we would like to develop and deploy a consolidated environment of Territory-wide GIS assets. Considering the importance of the digital economy to the Territory's future, it is imperative that all GIS assets, on a Territory-wide basis, have a common "landing zone" as they relate to broadband capabilities. Broadband services comprise a critical infrastructure component upon which the digital economy rests and The Territory needs a comprehensive means to understand and assess all GIS aspects as infrastructure policy is developed in support of vendor, investment and planning decisions.

State Broadband Data and Development Grant Program – Application Usage & Development
U.S. Territory of American Samoa

Budget Narrative – Data Collection and Address Improvement

The Office of the Governor of American Samoa (GO) and its partners offer a budget estimate based on a detailed analysis of the resources required to accomplish the Data Collection and Address Improvement Project (Project) tasks over the SBDD performance period (years 2 thru 5), considering timeline, delivery requirements, and available non-federal matching contributions as summarized in the program narrative. This section provides a summary of the budget and an overview of the budgeting process, explanation of how the financial figures were determined, and how the allocation of resources was provisioned to assure project feasibility.

This Project requires additional contract personnel to develop a Clearinghouse for the Territory. The Office of the Governor will contract to dispatch a core digital mapping and geospatial data staff along with clearinghouse development staff to define and meet the requirements for Data Collection and Address Improvement for the Territory as per the following financial schedules:

Data Collection Schedule

REQUESTED BUDGET	Federal	Match	Total
Personnel Salaries	$31,875	0	$31,875
Fringe Benefits	$5,323	0	$5,323
Travel	0	0	$0
Equipment	37,500	0	$37,500
Supplies	110,850	86,250	$197,100
Subcontracts	160,600	-	$160,600
Construction	0	0	0
Other	0	0	$0
Total Direct Costs	$346,148	$86,250	$432,398
Total Indirect Costs	8,053	$0	$8,053
Total Costs	$354,201	$86,250	$440,451
% Federal Share	80.42%		
% Applicant Share		19.58%	

Address Improvement Schedule

REQUESTED BUDGET	Federal	Match	Total
Personnel Salaries	$31,875	46,080	$77,955
Fringe Benefits	$5,323	13363.2	$18,686
Travel	4,500	0	$4,500
Equipment	16,360	0	$16,360
Supplies	0	-	$0
Subcontracts	338,640	38,400	$377,040
Construction	0	0	0
Other	0	0	$0
Total Direct Costs	$396,698	$97,843	$494,542
Total Indirect Costs	8,053	$0	$8,053
Total Costs	$404,752	$97,843	$502,595
% Federal Share	80.53%		
% Applicant Share		19.47%	

The Office of the Governor and its partners' capabilities, capacities, knowledge, and experience are described in terms of the its collective reach and the depth of the technical bench in its partnering consortium. Additionally, to assure feasibility, the GO prepared the budget based on detail analysis of the resources required to accomplish the tasks over the performance period, considering timeline delivery requirements, and the 20 percent non-federal matching contributions. To ensure meeting timelines for the deliverables, significant resources will be allocated during the first year of this project.

Budgeting Process and Narrative

Budget determination was done using a detailed resource planning process. A detailed spreadsheet accompanying this application supports how the overall estimates were derived. This section provides a summary of the process and the overall structure of the budget.

Human Resources Cost: To begin with, technical requirements to accomplish each task were examined by the Team. Each resource area then provided a detailed Cost Structure necessary to accomplish the tasks (details provided under the Personnel section) and any inter-dependencies among the tasks.

Next, the information from all resource areas were compiled into a comprehensive plan, and cross referenced again for inter-dependencies. As a result, a detailed comprehensive Cost Structure was developed.

The comprehensive Cost Structure was then checked against the timeline constraints imposed on the deliverables to identify the optimal number of resources required to meet the deadlines. As a result, an overall Project Plan was developed to identify the project's **Critical Path** and derive resources needed to meet the project milestones. These resources where then mapped to the level of skills required for each task and to the cost for each skill set (including sub-contract personnel cost) to devise the budget for the human resources. A Fringe Benefit rate of 30% was used, where applicable, to include healthcare, social security, workers' compensation, vacation, and retirement for non-contract labor.

Hardware and Software Cost: No new incremental Hardware or Software is required to support repeated data collection activities. A hosting fee will continue to apply to the data collection environment through the performance period. In the case of the address improvement project, several address capture software and GPS hardware components are required to support requirements for American Samoa. These components are listed at published prices in support of budget forecast.

During the performance period, the vendor will host development, test and production environments for data collection and address improvement efforts. For this project, one database server with Direct Attached Storage disk array, one ArcIMS map server, one Application Server, and one Web Server were provisioned. Software licenses for ArcIMS software were estimated based on the hardware. Detail is provided below.

Equipment					
Yuma Tablet w/ accessories	$5,119				$5,119
TruPulse 360B Laser Range Finder	$1,606				$1,606
Misc cables / adaptors (USB 2 DE9)	$2,000				$2,000
ArcGIS (ArcView)		$1,350	$1,350	$1,350	$4,050
ArcPad w/GPScorrect		$1,195	$1,195	$1,195	$3,585
Total	8,725	2,545	2,545	2,545	$16,360

Data Sources: As part of the ongoing data collection, a MapConnect™ Enterprise Base Map will be provided with address point layers. The license for this map product is included for the performance period with terms / conditions that allow for multiple users, internet display and quarterly updates. A perpetual use premium term for this license is applied at the end of the period as in-kind match for the Clearinghouse project. Financial elements for data sources include:

Category	Estimate Description	Quantity	Unit Price	Performance Period Total
Base Map Data	MapConnect Enterprise ™ - Territory of AS; Multiuser, Internet Display / Geocode; Quarterly Updates	1	$28,750	$86,250 (Federal Fubds)
Base Map Data	Perpetual Usage Premium for Base Map at MSRP factor of 2x – In-Kind	1	$28,750	$86,250 (In-Kind)

Travel Cost: Similarly, number and frequency for travel estimated based on the Project Plan were used to derive the cost based on the federal government's published rules and regulations.

Data Collection and Address Improvement Field Work

Travel expenses will be incurred for vehicle mileage and expenses while field work for address improvement efforts occurs. Annual budgets for this work were derived based on prevailing mileage rates and casual meal allowances.

Travel	Year 2	Year 3	Year 4	Year 5	
In-State	1,500	1,500	750	750	$4,500

Indirect Costs: No indirect costs are associated with this budget. This could change based on different mix of contract versus Territory labor.

State Broadband Data and Development Grant Program – Application Usage & Development
U.S. Territory of American Samoa

Matching Contributions: A matching contribution in-kind of over $184,000 is estimated for this project and will be met through a combination of labor and data in-kind as per the following schedule:

Subcontracts - Address Improvement					
BroadMap Executive Oversight, Risk Management & Performance Management; 1 role @ 96 @ $100/Hr @ 4 Yrs	9,600	9,600	9,600	9,600	$38,400
Personnel Salaries - Address Improvement					
AS 3 Roles; Program Oversight & Data Analyst @ 2 hour per week @ 4 years @ $40/hr	11,520	11,520	11,520	11,520	$46,080
	0	0	0	0	$0
	0	0	0	0	$0
Total	11,520	11,520	11,520	11,520	$46,080
Fringe Benefits (@ 29%) - Address Improvement					
AS 2 Roles; Program Oversight & Data Analyst @ 2 hour per week @ 4 years @ 29% Fringe	3,341	3,341	3,341	3,341	$13,363
	0	0	0	0	$0
	0	0	0	0	$0
Total	3,341	3,341	3,341	3,341	$13,363
Supplies - Data Collection					
MapConnect Enterprise - Premium for Perpetual User License	0	28,750	28,750	28,750	$86,250
	0	0	0	0	$0
	0	0	0	0	$0
Total	0	28,750	28,750	28,750	$86,250

Total In-Kind Estimate	$184,093
Total in-Kind Requirement	$167,113

Labor in-kind is achieved during the performance period via the allocation of risk management and oversight activities by the address improvement vendor. The role associated with these activities will be fully absorbed by the vendor with no invoice for the activities associated with this role and documentation of role activities via provider time entry system and project meeting minutes.

Additional Labor in-kind is achieved via the application of oversight and deliverable acceptance by the American Samoa project staff. Non-federally funded Data Analyst and Program Leader roles will participate in project efforts for status, risk management and issue resolution in addition to administrative support for up to 3 hours per week during the performance period.

Data in-kind is achieved during the performance period by the transfer of perpetual map data rights to the Territory as part of the Clearinghouse project. The perpetual right value is priced in the market place at a premium of 2x the annual user license fee for the period. In the case of AS, the annual license fee will be $28,750 with an aggregate fee for the three year period of $86,250. The in-kind value of $86,250 for the transfer of perpetual user rights will be the net of the perpetual user fee license of $172,500 minus the annual fees already paid during the performance period of $86,250.

GRANTEE NAME: (AS) Office of the Governor

Directions: For exch sheet, please edit the cells that are empty, not the cells with the grey background.

PLEASE ENTER YOUR EXISTING, APPROVED BUDGET BELOW. It should match your current SF 424.

PLEASE DO NOT ENTER TEXT BELOW. It will populate automatically after you complete the other sheets.

EXISTING BUDGET	Federal	Match	Total
Personnel Salaries	0	0	$0
Fringe Benefits	0	0	$0
Travel	0	0	$0
Equipment	0	0	$0
Supplies	0	0	$0
Subcontracts	0	0	$0
Construction	0	0	0
Other	0	0	$0
Total Direct Costs	$0	$0	$0
Total Indirect Costs	$0	$0	$0
Total Costs	$0	$0	$0
% Federal Share	#DIV/0!		
% Applicant Share		#DIV/0!	

REQUESTED BUDGET	Federal	Match	Total
Personnel Salaries	$31,875	46,080	$77,955
Fringe Benefits	$5,323	13363.2	$18,686
Travel	4,500	0	$4,500
Equipment	16,360	0	$16,360
Supplies	0	-	$0
Subcontracts	338,640	38,400	$377,040
Construction	0	0	0
Other	0	0	$0
Total Direct Costs	$396,698	$97,843	$494,542
Total Indirect Costs	8,053	$0	$8,053
Total Costs	$404,752	$97,843	$502,595
% Federal Share	80.53%		
% Applicant Share		19.47%	

(AS) Office of the Governor		Fed Request as % of total project cost:				80.53%
NEW FEDERAL REQUEST ONLY	Project Yr 2	Project Yr 3	Project Yr 4	Project Yr 5	Total	
Personnel Salaries						
ASG Project Manager (1/4 between each project yr 3-5))	0	10,625	10,625	10,625	$31,875	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	10,625	10,625	10,625	$31,875	31,875
Fringe Benefits						
ASG Project Manager (fringe rate 16.7%)	0	1,774	1,774	1,774	$5,323	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	1,774	1,774	1,774	$5,323	5,323
Travel						
In-State	1,500	1,500	750	750	$4,500	
Out-of-State					$0	
Total	1,500	1,500	750	750	$4,500	4,500
Equipment						
Yuma Tablet w/ accessories	$5,119				$5,119	
TruPulse 360B Laser Range Finder	$1,606				$1,606	
Misc cables / adaptors (USB 2 DE9)	$2,000				$2,000	
ArcGIS (ArcView)		$1,350	$1,350	$1,350	$4,050	
ArcPad w/GPScorrect		$1,195	$1,195	$1,195	$3,585	
Total	8,725	2,545	2,545	2,545	$16,360	16,360
Supplies						
					$0	
					$0	
					$0	
					$0	
					$0	
Total	0	0	0	0	$0	0
Subcontracts						
Program Management						
Program Manager @ 75/Hr	10,800	10,800	5,400	5,400	$32,400	
Source Evaluation						
Data Sourcing Manager @ 55/Hr	3,960	1,980	1,980	1,980	$9,900	
Data Analyst @ 65/Hr	7,020	2,340	2,340	2,340	$14,040	
Address Source Standardization and Compilation						
Data Analyst @ 65/Hr	12,480	4,680	2,340	2,340	$21,840	
Applications and Tools Engineer @ 80/Hr	23,040	5,760	2,880	2,880	$34,560	
Address Gap Analysis						
Data Analyst @ 65/Hr	6,240	3,120	3,120	3,120	$15,600	
Address Source Generation (Fill Gap)						
Data Sourcing Manager @ 55/Hr	5,280	2,640	2,640	2,640	$13,200	
Data Analyst @ 65/Hr	12,480	6,240	4,680	4,680	$28,080	
Applications and Tools Engineer @ 80/Hr	15,360	3,840	3,840	3,840	$26,880	
Field Collection/Validation @ 25/Hr	15,000	7,500	1,500	1,500	$25,500	
Address Source Ingestion						
Data Analyst @ 65/Hr	9,360	9,360	3,120	3,120	$24,960	
Applications and Tools Engineer @ 80/Hr	11,520	2,880	2,880	2,880	$20,160	
MAF Generation						
Applications and Tools Engineer @ 80/Hr	11,520	2,880	2,880	2,880	$20,160	
Quality Control						

Quality Specialist @ 65/Hr	9,360	9,360	6,240	6,240	$31,200	
Maintenance System Development						
Applications and Tools Engineer @ 80/Hr	11,520	2,880	2,880	2,880	$20,160	
Total	164,940	76,260	48,720	48,720	$338,640	338,640
Construction	0	0	0	0		
Other					$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	0	0	0	$0	0
Total Direct Costs	175,165	92,704	64,414	64,414	$396,698	396,698
Total Indirect Costs (Agreed IDC w/ DOI 30.33%)		2684.39456	2684.39456	2684.39456	$8,053	
Total Costs	175,165	95,389	67,099	67,099	$404,752	

(AS) Office of the Governor				Match as % of total project cost:		19.47%
PROPOSED MATCH FOR NEW FEDERAL FUND REQUEST	Project Yr 2	Project Yr 3	Project Yr 4	Project Yr 5	Total	
Personnel Salaries						
AS 3 Roles; Program Oversight & Data Analyst @ 2 hour per week @ 4 years @ $40/hr	11,520	11,520	11,520	11,520	$46,080	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	11,520	11,520	11,520	11,520	$46,080	46,080
Fringe Benefits (@ 29%)						
AS 2 Roles; Program Oversight & Data Analyst @ 2 hour per week @ 4 years @ 29% Fringe	3,341	3,341	3,341	3,341	$13,363	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	3,341	3,341	3,341	3,341	$13,363	13,363
Travel						
In-State	0	0	0	0	$0	
Out-of-State	0	0	0	0	$0	
Total	0	0	0	0	$0	0
Equipment						
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	0	0	0	$0	0
Supplies						
					$0	
					$0	
					$0	
Total	0	0	0	0	$0	0
Subcontracts						
BroadMap Executive Oversight, Risk Management & Performance Management; 1 role @ 96 @ $100/Hr @ 4 Yrs	9,600	9,600	9,600	9,600	$38,400	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	9,600	9,600	9,600	9,600	$38,400	38,400
Construction	0	0	0	0	$0	
Other						$0
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	0	0	0	$0	0
Total Direct Costs	24,461	24,461	24,461	24,461	$97,843	97,843
Total Indirect Costs	0	0	0	0	$0	
Total Costs	24,461	24,461	24,461	24,461	$97,843	

GRANTEE NAME: (AS) Office of the Governor

PLEASE ENTER YOUR EXISTING, APPROVED BUDGET BELOW. It should match your current SF 424.

PLEASE DO NOT ENTER TEXT BELOW. It will populate automatically after you complete the other sheets.

EXISTING BUDGET	Federal	Match	Total
Personnel Salaries	0	0	$0
Fringe Benefits	0	0	$0
Travel	0	0	$0
Equipment	0	0	$0
Supplies	0	0	$0
Subcontracts	0	0	$0
Construction	0	0	0
Other	0	0	$0
Total Direct Costs	$0	$0	$0
Total Indirect Costs	$0	$0	$0
Total Costs	$0	$0	$0
% Federal Share	#DIV/0!		
% Applicant Share		#DIV/0!	

REQUESTED BUDGET	Federal	Match	Total
Personnel Salaries	$31,875	0	$31,875
Fringe Benefits	$5,323	0	$5,323
Travel	13,050	0	$13,050
Equipment	43,700	0	$43,700
Supplies	86,250	86,250	$172,500
Subcontracts	306,700	37,200	$343,900
Construction	0	0	0
Other	0	0	$0
Total Direct Costs	$486,898	$123,450	$610,348
Total Indirect Costs	8,053	$0	$8,053
Total Costs	$494,951	$123,450	$618,401
% Federal Share	80.04%		
% Applicant Share		19.96%	

(AS) Office of the Governor		Fed Request as % of total project cost:			80.04%	
NEW FEDERAL REQUEST ONLY	Project Yr 2	Project Yr 3	Project Yr 4	Project Yr 5	Total	
Personnel Salaries						
ASG Project Manager (1/4 split between projects)	0	10,625	10,625	10,625	$31,875	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	10,625	10,625	10,625	$31,875	31,875
Fringe Benefits						
ASG Project Manager (Fringe Rate 16.7%)	0	1,774	1,774	1,774	$5,323	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	1,774	1,774	1,774	$5,323	5,323
Travel						
In-State	0	0	0	0	$0	
Out-of-State		10,350	0	2,700	$13,050	
Total	0	10,350	0	2,700	$13,050	13,050
Equipment						
Hosted Portal Environment, Portal Suite, Arc GIS Image/Map	0	27,900	7,900	7,900	$43,700	
					$0	
					$0	
Total	0	27,900	7,900	7,900	$43,700	43,700
Supplies						
MapConnect Enterprise	0	28,750	28,750	28,750	$86,250	
					$0	
					$0	
Total	0	28,750	28,750	28,750	$86,250	86,250
Subcontracts						
Common Services Analyst		30360	7260	4400	$42,020	
Delivery Project Manager		10800	9900	7200	$27,900	
GIS Analyst		38640	3360	4480	$46,480	
GIS Engineer		41400	3600	4800	$49,800	
Portal Developer		46920	11220	6800	$64,940	
Program Manager		10080	5040	5040	$20,160	
RDBMS Developer		27440	9240	3360	$40,040	
Testing Specialist / System Admin		6720	5760	2880	$15,360	
	0				$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	212,360	55,380	38,960	$306,700	306,700
Construction	0	0	0	0		
Other					$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	0	0	0	$0	0
Total Direct Costs	0	291,759	104,429	90,709	$486,898	486,898
Total Indirect Costs (Agreed upon IDC w/ DOI 30.33%)	0	2684.39456	2684.39456	2684.39456	$8,053	
Total Costs	0	294,444	107,114	93,394	$494,951	

(AS) Office of the Governor					Match as % of total project cost:	19.96%
PROPOSED MATCH FOR NEW FEDERAL FUND REQUEST	Project Yr 2	Project Yr 3	Project Yr 4	Project Yr 5	Total	
Personnel Salaries						
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	0	0	0	$0	0
Fringe Benefits (@ XX%)						
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	0	0	0	$0	0
Travel						
In-State	0	0	0	0	$0	
Out-of-State	0	0	0	0	$0	
Total	0	0	0	0	$0	0
Equipment						
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	0	0	0	$0	0
Supplies						
Perpetual License Fee for MCE = $57,500 for AS; net cost to State is $28750 leaving a $28750 in-Kind per year	0	28,750	28,750	28,750	$86,250	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	28,750	28,750	28,750	$86,250	86,250
Subcontracts						
Labor - Clearinghouse Developer; Risk Management & Executive Oversight; 1 role @ 124 Hours @ $100/Hr @ 3 Years	0	12,400	12,400	12,400	$37,200	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	12,400	12,400	12,400	$37,200	37,200
Construction	0	0	0	0	$0	
Other						$0
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	0	0	0	$0	0
Total Direct Costs	0	41,150	41,150	41,150	$123,450	123,450
Total Indirect Costs	0	0	0	0	$0	
Total Costs	0	41,150	41,150	41,150	$123,450	

GRANTEE NAME: (AS) Office of the Governor

Directions: For exch sheet, please edit the cells that are empty, not the cells with the grey background.

PLEASE ENTER YOUR EXISTING, APPROVED BUDGET BELOW. It should match your current SF 424.

EXISTING BUDGET	Federal	Match	Total
Personnel Salaries	0	0	$0
Fringe Benefits	0	0	$0
Travel	0	0	$0
Equipment	0	0	$0
Supplies	0	0	$0
Subcontracts	0	0	$0
Construction	0	0	0
Other	0	0	$0
Total Direct Costs	$0	$0	$0
Total Indirect Costs	$0	$0	$0
Total Costs	$0	$0	$0
% Federal Share	#DIV/0!		
% Applicant Share		#DIV/0!	

PLEASE DO NOT ENTER TEXT BELOW. It will populate automatically after you complete the other sheets.

REQUESTED BUDGET	Federal	Match	Total
Personnel Salaries	$31,875	0	$31,875
Fringe Benefits	$5,323	0	$5,323
Travel	0	0	$0
Equipment	37,500	0	$37,500
Supplies	110,850	86,250	$197,100
Subcontracts	160,600	-	$160,600
Construction	0	0	0
Other	0	0	$0
Total Direct Costs	$346,148	$86,250	$432,398
Total Indirect Costs	8,053	$0	$8,053
Total Costs	$354,201	$86,250	$440,451
% Federal Share	80.42%		
% Applicant Share		19.58%	

NEW FEDERAL REQUEST ONLY	Project Yr 2	Project Yr 3	Project Yr 4	Project Yr 5	Total	
Personnel Salaries						
ASG Project Manager (1/4 between each project)	0	10,625	10,625	10,625	$31,875	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	10,625	10,625	10,625	$31,875	31,875
Fringe Benefits						
ASG Project Manager (Fringe rate 16.7%)	0	1,774	1,774	1,774	$5,323	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	1,774	1,774	1,774	$5,323	5,323
Travel						
In-State	0	0	0	0	$0	
Out-of-State					$0	
Total	0	0	0	0	$0	0
Equipment						
Hosted Portal Environment, Portal Suite, Arc GIS Image/Map	0	12,500	12,500	12,500	$37,500	
					$0	
					$0	
Total	0	12,500	12,500	12,500	$37,500	37,500
Supplies						
MapConnect Enterprise	0	28,750	28,750	28,750	$86,250	
Spectrum Holdings for Wireless Providers		2,000	2,000	2,000	$6,000	
Wireless Marketed Coverage Patterns		5,200	5,200	5,200	$15,600	
Wire Center Boundaries		500	500	500	$1,500	
Tower Maps		500	500	500	$1,500	
Total	0	36,950	36,950	36,950	$110,850	110,850
Subcontracts						
Project Management & Collaboration					$0	
Program Manager @ 75/Hr	0	3,600	3,600	3,600	$10,800	
Technical Project Manager @ 65/Hr	0	3,120	3,120	3,120	$9,360	
Broadband Spatial Data Collection						
Database & Requirements Engineer @ 65/Hr	0	0	0	0	$0	
Database Administrator @ 50/Hr	0	0	0	0	$0	
Data Sourcing Manager @ 55/Hr	0	0	0	0	$0	
Data Update, Verification and Validation						
GIS Systems and Mapping Engineer @ 80/Hr	0	1,920	960	960	$3,840	
Applications and Tools Engineer @ 60/Hr	0	2,880	1,440	1,440	$5,760	
Geo-coding and Conflation Engineer @ 85/Hr		1,920	960	960	$3,840	
Sr. Quality Control Manager @ 85/Hr		2,000	1,000	1,000	$4,000	
Data Analyst @ 65/Hr		1,560	780	780	$3,120	
Database & Requirements Engineer @ 65/Hr		9,360	4,680	4,680	$18,720	
Database Administrator @ 50/Hr		9,600	4,800	3,600	$18,000	
Data Sourcing Staff @ 55/Hr		10,560	5,280	3,960	$19,800	
Broadband Mapping Application & Planning						
Senior Web Designer(s) @ 85/Hr	0	12,240	6,120	3,060	$21,420	
Cartographic Specialist @75/Hr	0	10,800	10,800	2,700	$24,300	
Data Analyst(s) @ 70/Hr	0	10,080	5,040	2,520	$17,640	
Total	0	79,640	48,580	32,380	$160,600	160,600
Construction	0	0	0	0		
Other					$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	0	0	0	$0	0
Total Direct Costs	0	141,489	110,429	94,229	$346,148	346,148
Total Indirect Costs (Agreed upon IDC 30.33%)	0	2684.39456	2684.39456	2684.39456	$8,053	
Total Costs	0	144,174	113,114	96,914	$354,201	

(AS) Office of the Governor				Match as % of total project cost:		19.58%

PROPOSED MATCH FOR NEW FEDERAL FUND REQUEST	Project Yr 2	Project Yr 3	Project Yr 4	Project Yr 5	Total	
Personnel Salaries						
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	0	0	0	$0	0
Fringe Benefits (@ XX%)						
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	0	0	0	$0	0
Travel						
In-State	0	0	0	0	$0	
Out-of-State	0	0	0	0	$0	
Total	0	0	0	0	$0	0
Equipment						
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	0	0	0	$0	0
Supplies						
MapConnect Enterprise - Premium for Perpetual User License	0	28,750	28,750	28,750	$86,250	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	28,750	28,750	28,750	$86,250	86,250
Subcontracts						
					$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	0	0	0	$0	0
Construction	0	0	0	0	$0	
Other						$0
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	0	0	0	$0	0
Total Direct Costs	0	28,750	28,750	28,750	$86,250	86,250
Total Indirect Costs	0	0	0	0	$0	
Total Costs	0	28,750	28,750	28,750	$86,250	

GRANTEE NAME: (AS) Office of the Governor

Directions: For exch sheet, please edit the cells that are empty, not the cells with the grey background.

PLEASE ENTER YOUR EXISTING, APPROVED BUDGET BELOW. It should match your current SF 424.

EXISTING BUDGET	Federal	Match	Total
Personnel Salaries	0	0	$0
Fringe Benefits	0	0	$0
Travel	0	0	$0
Equipment	0	0	$0
Supplies	0	0	$0
Subcontracts	0	0	$0
Construction	0	0	0
Other	0	0	$0
Total Direct Costs	$0	$0	$0
Total Indirect Costs	$0	$0	$0
Total Costs	$0	$0	$0
% Federal Share	#DIV/0!		
% Applicant Share		#DIV/0!	

PLEASE DO NOT ENTER TEXT BELOW. It will populate automatically after you complete the other sheets.

REQUESTED BUDGET	Federal	Match	Total
Personnel Salaries	$121,875	41,280	$163,155
Fringe Benefits	$20,353	0	$20,353
Travel	24,375	0	$24,375
Equipment	48,000	0	$48,000
Supplies	0	-	$0
Subcontracts	253,120	45,000	$298,120
Construction	0	0	0
Other	0	0	$0
Total Direct Costs	$467,723	$86,280	$554,003
Total Indirect Costs	22,738	$0	$22,738
Total Costs	$490,462	$86,280	$576,742
% Federal Share	85.04%		
% Applicant Share		14.96%	

NEW FEDERAL REQUEST ONLY	Project Yr 2	Project Yr 3	Project Yr 4	Project Yr 5	Total	
Personnel Salaries						
GIS Specialist/Instructor	0	30,000	30,000	30,000	$90,000	
ASG Project Manager (Split 1/4 between each project)	0	10,625	10,625	10,625	$31,875	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	40,625	40,625	40,625	$121,875	121,875
Fringe Benefits						
GIS Specialist/Instructor	0	5,010	5,010	5,010	$15,030	
ASG Project Manager (Fringe Rate 16.7%)	0	1,774	1,774	1,774	$5,323	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	6,784	6,784	6,784	$20,353	20,353
Travel						
In-State	0	0	0	0	$0	
Out-of-State		19,500	4,875	0	$24,375	
Total	0	19,500	4,875	0	$24,375	24,375
Equipment						
Hosted LMS Subscription	0	12,000	12,000	24,000	$48,000	
					$0	
					$0	
Total	0	12,000	12,000	24,000	$48,000	48,000
Supplies						
					$0	
					$0	
					$0	
Total	0	0	0	0	$0	0
Subcontracts						
Certification Specialist		26320	0	0	$26,320	
Delivery Project Manager		14400	12000	0	$26,400	
GIS Analyst		34160	1680	2240	$38,080	
Learning Content Specialist		24640	0	0	$24,640	
Learning Delivery Coordinator/Trainer		34800	20800	10400	$66,000	
Learning Management Analyst		16640	0	0	$16,640	
Learning Management Developer		19520	1440	1920	$22,880	
Program Manager		10080	3360	0	$13,440	
Testing Specialist / System Admin		15,080	1,560	2,080	$18,720	
					$0	
					$0	
Total	0	195,640	40,840	16,640	$253,120	253,120
Construction	*0*	*0*	*0*	*0*		
Other					$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	0	0	0	$0	0
Total Direct Costs	0	274,549	105,124	88,049	$467,723	467,723
Total Indirect Costs (Agreed IDC w/ DOI 30.33%)	0	7579.467	7579.467	7579.467	$22,738	
Total Costs	0	282,129	112,704	95,629	$490,462	

(AS) Office of the Governor			Match as % of total project cost:		14.96%	
PROPOSED MATCH FOR NEW FEDERAL FUND REQUEST	Project Yr 2	Project Yr 3	Project Yr 4	Project Yr 5	Total	
Personnel Salaries						
AS Oversight and Trainer Participation in Curriculum Content and LMS Maintenance during Performance peoriod @ 2 roles, 192 Hrs, 3 years, @ $40/Hr	0	13,760	13,760	13,760	$41,280	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	13,760	13,760	13,760	$41,280	41,280
Fringe Benefits (@ XX%)						
Fringe for AS In-Kind Labor - TBD	0				$0	$0
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	0	0	0	$0	0
Travel						
In-State	0	0	0	0	$0	
Out-of-State	0	0	0	0	$0	
Total	0	0	0	0	$0	0
Equipment						
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	0	0	0	$0	0
Supplies						
					$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	0	0	0	$0	0
Subcontracts						
Labor - Oversight for Risk Management and Escalation @ 1 role, 150 Hours, 3 years, @$100/Hr	0	15,000	15,000	15,000	$45,000	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	15,000	15,000	15,000	$45,000	45,000
Construction	0	0	0	0	$0	
Other					$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
	0	0	0	0	$0	
Total	0	0	0	0	$0	0
Total Direct Costs	0	28,760	28,760	28,760	$86,280	86,280
Total Indirect Costs	0	0	0	0	$0	
Total Costs	0	28,760	28,760	28,760	$86,280	