		2. Award Or Grant Number 38-50-M09050 4. Report Date (MM/DD/YYYY) 07-26-2012					
Perfori	4. Report Date (MM/DI						
Recipient Name State of North Dakota, Informa	6. Designated Entity O N/A	n Behalf Of:					
3. Street Address 600 East Boulevard Avenue, D	ept 117,		Yes	Report Frequency Quarterly			
5. City, State, Zip Code Bismarck, ND 58505-0100			● No) Semi Annual) Annual) Final			
7. Project / Grant Period Start Date: (MM/DD/YYYY) 12-20-2009	7a. End Date: (MM/DD/YYYY) 12-19-2014	7b. Reporting Period End Date: 06-30-2012	9a. If Other, please de	scribe:			
10. Broadband Mapping	10a. Provider Table	•					
Number of Providers Identified Providers C 0	ontacted Number of Agreemen Reached for Data Sha		er of Number of Data Sets				
10c. Have you encountered challed 10d. If so, describe the discussion N/A	enges with any providers that indices to date with each of these providers that indices to date with each of these providers that indices to date with each of these providers that indices to date with each of these providers that indices that indices the content of the conten	ne Excel spreadsheet provided by the icate they may refuse to participate riders and the current status action, extrapolation, etc), please de	in this project? Yes (No			
NA							
10f. Please describe the verification	on activities you plan to implemer	nt					
We plan to complete our first ro ongoing through the end of the		dband data verification in Q3 20	12 with additional main	tenance of this data			
10g. Have you initiated verification activities? No 10h. If yes, please describe the status of your activities We have continued our on site verification activities with providers that we have identified deficiencies or questionable data. This process has proved to be very successful in improving the quality of their data and improving their overal level of participation in the program. This quarter we have visited two providers and we have scheduled visits with three providers next quarter.							
We have initiated and are nearing completion of our direct wireless measurement task. In this project, we are driving roughly three thousand road miles throughout the state and recording signal strength and throughput test results for each carrier providing cellular broadband data services. This will be used to create and validate high resolution coverage models for each of these carriers within the state. 10i. If verification activities have not been initiated please provide a projected time line for beginning and completing such activities							
N/A							
Staffing							

10j. How many jobs have been created or retained as a result of this project?

1.01 FTE State Jobs & 3.98 FTEs Non-State Jobs for a total of 4.99 FTEs were retained over the 2nd quarter. No additional positions were created . The total staffing including created and retained FTEs for Q2 is 4.99 FTEs.

10k. Is the project currently fully staffed?

Yes

No

10l. If no, please explain how any lack of staffing may impact the project's time line and when the project will be fully staffed

N/A

10m. When fully staffed, how many full-time equivalent (FTE) jobs do you expect to create or retain as a result of this project?

The program director will be a consistent .75 FTE throughout the project. There are variable additional FTEs that will be employed depending on the project schedule. The variable FTEs will be roughly 2-4 FTEs per quarter.

10n. Staffing Table

Job Title	FTE %	Date of Hire
State Program Director	75	10/03/2011
State Administrative Support	7	01/20/2010
State Project Management Specialist	19	01/20/2010
Vendor Project Manager	43	01/20/2010
Vendor GIS Analyst	100	01/20/2010
Vendor GIS Analyst	100	01/20/2010
Vendor GIS Analyst	100	01/20/2010
Vendor GIS Analyst	50	01/20/2010
Vendor Administrative Support	5	01/20/2010

Add Row

Remove Row

Sub Contracts

10o. Subcontracts Table

Name of Subcontractor	Purpose of Subcontract	RFP Issued (Y/N)	Contract Executed (Y/N)	Start Date	End Date	Federal Funds	In-Kind Funds
Tetra Tech, Inc.	Perform most mapping activities	Y	Y	01/20/2010	12/20/2014	1,554,484	0
EduTech	Manage the Technical Assistance Program	N	N	12/01/2010	07/31/2012	75,000	0
TBD	Projects not yet scheduled, Project Management	N	N	01/30/2011	12/24/2014	718,721	0

Add Row

Remove Row

Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$1,337,548

10q. How much Remains?

\$2,326,539

10r. How much matching funds have been expended as of the end of last quarter?

\$572,585

10s. How much Remains?

\$410,741

10t. Budget Worksheet

Tot. Budgot Workshoot						
Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
Personal Salaries	\$425,743	\$40,131	\$465,874	\$90,570	\$12,813	\$103,383
Personnel Fringe Benefits	\$182,461	\$17,199	\$199,660	\$27,866	\$3,532	\$31,399

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
Travel	\$146,012	\$0	\$146,012	\$15,355	\$0	\$15,355
Equipment	\$51,620	\$0	\$51,620	\$25,699	\$0	\$25,699
Materials / Supplies	\$6,502	\$0	\$6,502	\$4,854	\$0	\$4,854
Subcontracts Total	\$2,348,205	\$0	\$2,348,205	\$1,059,306	\$0	\$1,059,306
Subcontract #1	\$1,554,484	\$0	\$1,554,484	\$984,306	\$0	\$984,306
Subcontract #2	\$75,000	\$0	\$75,000	\$75,000	\$0	\$75,000
Subcontract #3	\$718,721	\$0	\$718,721	\$0	\$0	\$0
Subcontract #4	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #5	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$317,949	\$925,997	\$1,243,946	\$113,899	\$556,240	\$670,139
Total Direct Costs	\$3,478,492	\$983,327	\$4,461,819	\$1,337,548	\$572,584	\$1,910,133
Total Indirect Costs	\$185,594	\$0	\$185,594	\$0	\$0	\$0
Total Costs	\$3,664,086	\$983,327	\$4,647,413	\$1,337,548	\$572,584	\$1,910,133
% Of Total	79	21	100	70	30	100

Hardware / Software

10u. Has the project team purchased the software / hardware described in the application?	Yes	○No

10v. If yes, please list

The custom map application is in production at broadband.nd.gov. Speed Test software has been purchased, installed and is in production. We have also purchased smartphones for all providers in the state to use for our field measurement project. The provider update application has also been deployed. This is the secure portal that the providers can use to update their coverage data and submit them to the state for review.

10w. Please note any software / hardware that has yet to be purchased and explain why it has not been purchased

10y. If yes, please list

The vendor developed the main data sets and purchased a data set. The cost of this was included in the overall data collection costs and was not separated out.

10z. Are there any additional project milestones or information that has not been included? Yes No 10aa. If yes, please list

N/A

10bb. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing

N/A

10cc. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project Our provider assistance visits have been a very helpful exercise. Each quarter, we have been selecting 2-3 providers to have on site visits with to help address data quality issues or to answer questions regarding their data. In one example, a provider was claiming they provided FTTH coverage to their entire exchange boundary - we were a bit skeptical. After visiting with their staff, we could clearly see evidence that they had the infrastructure deployed to support these claims.

In other provider visits we were initially met with resistance to participating in the project. In each case, the providers attitude towards the project was much more positive, and we have seen increased participation in data set updates from these providers as well.

11. Broadband Planning

11a. Please describe progress made against all goals, objectives, and milestones detailed in the approved Project Plan. Be sure to include a description of each major activity / milestone that you plan to complete and your current status

This quarter we completed a survey of 26 public safety agencies within our state to evaluate their current use of broadband technology. The survey showed that roughly 60% of agencies are currently not using broadband applications in the field. Over 90% of agencies within the state are not currently planning for Firstnet. This survey helps us to establish a baseline of current state technology utilization, and highlights the need for additional research into the applications currently used, and also into applications that agencies would find valuable to their operational goals.

Additionally, Through our departments E911 grant program, we have been doing evaluations of the current network capabilities to each PSAP in the state. Depending on the outcomes of these evaluations, we will incorporate these findings into our Broadband Planning efforts to help provide synergies between the 911 efforts and the efforts required to plan for Firstnet. This effort also helps to establish a baseline for our current state of technology infrastructure deployed that supports public safety within our state.

We have also began discussions with our states SWIC and SIEC to start structuring the public safety broadband planning effort. From our recent public safety broadband survey, we have determined that the smaller municipal and regional stakeholders are the least active in using and planning for broadband. Because of this, we believe that by starting the planning efforts with municipal and smaller regional stakeholders we can better drive adoption and interest in the project, and then can help integrate their needs into those of the larger agencies that are already using broadband in the field. This approach is expected to help drive partnerships among these agencies and help encourage technology and information sharing.

- 11b. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing We have found two primary challenges in this effort:
- 1) Because of the undefined nature of Firstnet, it is difficult to invest sigificant resources into developing a planning methodology. We expect that many details will be provided in this guarter, and should allow us to start formalizing plans.
- 2) Reluctance of smaller agencies has been a challenge. The mitigation strategy is detailed above in 11a including them early in the planning process to help drive understanding and adoption.
- 11c. Does the Project Team anticipate any changes to the project plan for Broadband Planning? (Yes No
- 11d. If yes, please describe these anticipated changes. Please note that NTIA will need to approve changes to the Project Plan before they can be implemented

After discussing the project internally and evaluating it against the information provided regarding Firstnet, we believe the original scope of the project should still be able to meet the needs of our planning efforts. While we have been able to much more clearly define the focus of this effort to finding synergies between NG 9-1-1, Firstnet, and Radio over IP deployment, planning for these initiatives does not appear to require significant changes to the project plan. During this quarter we expect to complete a detailed plan to meet the original project milestones.

Funding

11e. How much Federal fur	nding has been expend) 11f.	11f. How much Remains?			
11g. How much matching f	unds have been expen	nded as of the end of	last quarter? \$	0 11h.	. How much Remains	? \$0
11i. Planning Worksheet						
Personal Salaries	\$0	\$0	\$0	\$0	\$0	\$0
Personnel Fringe Benefits	\$0	\$0	\$0	\$0	\$0	\$0
Travel	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Materials / Supplies	\$0	\$0	\$0	\$0	\$0	\$0
Subcontracts Total	\$0	\$0	\$0	\$0	\$0	\$0

11i. Planning Worksheet						
Subcontract #1	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #2	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #3	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #4	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #5	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0	\$0
Total Direct Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Indirect Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs	\$0	\$0	\$0	\$0	\$0	\$0
% Of Total	0	0	0	0	0	0

Additional Planning Information

11j. Are there any additional project milestones or information that has not been included?

N/A

11k. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the Project Team is employing

N/A

11l. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project
After discovering that our accounting records were including funds dispersed that we had not accounted for in 10t, we revised item 10p and the Federal Funds Expended in column 10t. The funds that were missing from 10t were in subcontract #2 and in other. We also discovered some small items that were not accounted for in Salaries, supplies, and equipment which resulted in the changes to 10p and 10t's Federal Funds Expended.

Subcontract 1 in table 10t was revised to be 22,500 lower than last quarter because we found that our contractor has not invoiced us for a completed task. We had recorded this as paid on our side since it was accepted as completed by us. We expect this 22,500 to be invoiced and actually expended in Q3.

12. Certification: I certify to the best of my knowledge and belief that this report is set forth in the award documents.	correct and complete for performance of activities for the purpose
12a. Typed or Printed Name and Title of Authorized Certifying Official Travis Durick	12c. Telephone (area code, number, and extension) 701.328.1125 12d. Email Address
	tdurick@nd.gov 12e. Date Report Submitted
12b. Signature of Authorized Certifying Official	(Month, Day, Year)
Submitted Electronically	08-30-2012