Performance Progress Report							2. Award Or Grant Number 38-50-M09050			
							4. Report Date (MM/DD/YYYY) 07-26-2012			
1. Recipient Name State of North Dak	kota, Informati	on Tecl	nnology Department				6. Designated Entity On Behalf Of: N/A			
3. Street Address 600 East Bouleva	d Avenue, De	ept 117,					 8. Final Report? 9. Report Frequer Quarterly Semi Annual 			
5. City, State, Zip C Bismarck, ND 585							No		Annual Final	
 Project / Grant Start Date: (MM 12-20-2009 		7a. End [12-19	Date: (MM/DD/YYYY) -2014		o. eporting Period End Date: :-30-2012		9a. If Other N/A	, please	describe:	
10. Broadband	Mapping	•	10a. Provider Table	•			1			
Number of Providers Identified 0	Number of Providers Co 0		Number of Agreemen Reached for Data Sha 0		Number of Partial Data Sets Received 0	Number Comple	te Data Sets	Numbe Data S 0	er of ets Verified	
 10b. Are you submitting the required PROVIDER DATA by using the Excel spreadsheet provided by the SBDD grants office? Yes No 10c. Have you encountered challenges with any providers that indicate they may refuse to participate in this project? Yes No 10d. If so, describe the discussions to date with each of these providers and the current status N/A 10e. If you are collecting data through other means (e.g. data extraction, extrapolation, etc), please describe your progress to date and the relevant activities to be undertaken in the future NA 10f. Please describe the verification activities you plan to implement We plan to complete our first round of cellular wireless broadband data verification in Q3 2012 with additional maintenance of this data 										
ongoing through the end of the project. 10g. Have you initiated verification activities? Yes 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 ONo

10I. 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

	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 Da	ate	End Date	Federal Fu	inds	In-Kind Funds
Tetra Tech, Inc.	Perform most mapping activities	Y	Y	01/20/2010	0	12/20/2014 1,554,484		C)
EduTech	Manage the Technical Assistance Program	N	N	12/01/2010	0	07/31/2012	75,000)
TBD	Projects not yet scheduled, Project Management	N	N	01/30/2011		12/24/2014	718,721	C)
						Add F	Row	F	Remove Row
Funding									
10p. How much Federal	funding has been expend	ed as of the end	l of the last o	quarter? \$	1,337,	,548 10q.	How much F	Remai	ns? \$2,326,539
10r. How much matching	g funds have been expend	led as of the end	d of last qua	rter? \$	572,58	85 10s.	How much F	Remaii	ns? \$410,741
10t. Budget Worksheet									
Mapping Budget Eleme	nt Federal Funds Granted	Proposed In-Kind		otal dget		Federal Funds xpended	Matching F		Total Funds Expended
Personal Salaries	\$425,743	\$40,131	\$46	\$465,874		\$90,570	\$12,813		\$103,383
Personnel Fringe Benef	its \$182,461	\$17,199	\$19	9,660		\$27,866	\$3,532		\$31,399

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 N/A 10x. Has the project team purchased or used any data sets? •Yes ONO 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. 102. Are there any additional project milestones or information that has not been included? Yes NO 10a. If yes, please list N/A 10b. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing N/A	Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended		
Number Sk.502 Sk Sk.502 H 484 H 0 H 484 Subcontract Total 42.348.205 50 51.269.306 10 10.09.306 Subcontract H1 11.554.44 50 11.64.44 5964.306 10 5964.306 Subcontract H2 555.00 50 575.00 575.00 50	Travel	\$146,012	\$0	\$146,012	\$15,355	\$0	\$15,355		
Number Numer Numer Numer <td>Equipment</td> <td>\$51,620</td> <td>\$0</td> <td>\$51,620</td> <td>\$25,699</td> <td>\$0</td> <td>\$25,699</td>	Equipment	\$51,620	\$0	\$51,620	\$25,699	\$0	\$25,699		
Subcontract #1 51:34:444 51:34:444 51:34:444 51:34:444 50 50 51:34:44 Subcontract #2 37:500 10 17:500 15:00 10	Materials / Supplies	\$6,502	\$0	\$6,502	\$4,854	\$0	\$4,854		
Subcontract #2 \$15.000 \$17.000 \$17.000 \$17.000 \$19.000 \$17.000 \$19.000 \$10.0000 \$10.0000	Subcontracts Total	\$2,348,205	\$0	\$2,348,205	\$1,059,306	\$0	\$1,059,306		
NAME NA State of the set of the	Subcontract #1	\$1,554,484	\$0	\$1,554,484	\$984,306	\$0	\$984,306		
Automation Image: Construction Subcontract 44 Subcontract 44 Subcontract 45 Subcon	Subcontract #2	\$75,000	\$0	\$75,000	\$75,000	\$0	\$75,000		
Construction Image: Construction Subcontract #5 Subc	Subcontract #3	\$718,721	\$0	\$718,721	\$0	\$0	\$0		
Construction S0 S0 S0 S0 S0 Other S17.449 \$25,997 \$1.243.946 \$113.899 \$55.240 \$67.0139 Total Direct Costs \$3.478.492 \$983.327 \$4.461.819 \$1.337.548 \$572.584 \$191.910.133 Total Indirect Costs \$185.594 S0 \$189.594 \$00 \$1.95.944 \$00 \$00 \$00 Total Costs \$185.640 \$98.327 \$4.471.413 \$1.337.548 \$1572.584 \$191.910.133 % Of Total 70 21 100 70 30 100 Hardware / Software Other project team purchased the software / hardware described in the application? @Yes_ONo 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 provider can use to update application costs and was not separated out. 10x. Has the project team purchased or used any data set? @Yes_ONo Yes_ONo <t< td=""><td>Subcontract #4</td><td>\$0</td><td>\$0</td><td>\$0</td><td>\$0</td><td>\$0</td><td>\$0</td></t<>	Subcontract #4	\$0	\$0	\$0	\$0	\$0	\$0		
Other 1317.040 5925.977 51.243.946 1313.890 355.6240 5470.139 Total Direct Costs 53.478.492 5983.327 54.461.819 5113.890 557.258 5119.190.133 Total Indirect Costs 3185.594 50 5185.594 50 50 50 Total Costs 53.644.086 5983.327 54.647.413 513.375.48 5372.584 511910.133 % Of Total 79 21 100 70 30 100 Hardware / Software 79 21 100 70 30 100 Hardware / Software 100. Has the project team purchased the software / hardware described in the application? © es 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 sem 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 Na N/A 102. Are there any additional project milestones or information that has not been inclu	Subcontract #5	\$0	\$0	\$0	\$0	\$0	\$0		
Total Direct Costs \$3.478.492 \$993.227 \$4.461.819 \$1.37.548 \$572.584 \$1.919.133 Total Indirect Costs \$185.994 \$0 \$185.994 \$0 \$10 \$0 \$0 Total Costs \$3.64.086 \$983.327 \$4.647.413 \$1.337.548 \$572.584 \$1.919.133 % Of Total 79 21 100 70 30 100 Hardware / Software No No No No 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 smarth>ones 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 NiA 10v. Has the project team purchased or used any data sets? (reg (No Yes (No 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. 102. Are there any additional project milestones or information that has not been included? (Yes (Construction	\$0	\$0	\$0	\$0	\$0	\$0		
Total Indirect Costs \$185.594 \$0 \$10 \$0 Total Costs \$3.664.066 \$9983.327 \$4.647.413 \$1.337.548 \$572.584 \$1.910.133 % Of Total 79 21 100 70 30 100 Hardware / Software 100. Has the project team purchased the software / hardware described in the application? •Yes No 100. Has the project team purchased in is in production at broadband.nd.gov. Speed Test software has been purchased, installed and is in production. We have also purchased smatphones 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 NVA 10x. Has the project team purchased or used any data sets? •Yes No 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 include? Yes •No 10a. If yes, please list NA 10b. Please describe any challenge or obstacle that you have encountered and detail the mi	Other	\$317,949	\$925,997	\$1,243,946	\$113,899	\$556,240	\$670,139		
Total Costs \$3,664,086 \$993,327 \$4,647,413 \$1,337,548 \$572,584 \$1,910,133 % Of Total 79 21 100 70 30 100 Hardware / Software 100. Has the project team purchased the software / hardware described in the application? @Yes No 100. 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 NA 10x. Has the project team purchased or used any data sets? @Yes No 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. N/A 10z. Are there any additional project milestones or information that has not been include? Yes No N/A 10bb. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing	Total Direct Costs	\$3,478,492	\$983,327	\$4,461,819	\$1,337,548	\$572,584	\$1,910,133		
% Of Total 79 21 100 70 30 100 Hardware / Software 100 70 30 100	Total Indirect Costs	\$185,594	\$0	\$185,594	\$0	\$0	\$0		
Hardware / Software 10u. Has the project team purchased the software / hardware described in the application? Image: Content in the state of the software / hardware described in the application? Image: Content in the state of the software / hardware described in the application? Image: Content in the state of the software / hardware described in the application? Image: Content in the state of the software / hardware described in the application? Image: Content in the state of the software / hardware described in the application? Image: Content in the state of the software / hardware in the state of the 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 N/A 10x. Has the project team purchased or used any data sets? Image: Content in the state for review. 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 include? Image: Content in the software is employing in the state is the project team is employing in the state	Total Costs	\$3,664,086	\$983,327	\$4,647,413	\$1,337,548	\$572,584	\$1,910,133		
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 N/A 10x. Has the project team purchased or used any data sets? ●Yes No 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. 10a. Hare there any additional project milestones or information that has not been included? Yes ●No 10a. If yes, please list N/A 10b. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing N/A	% Of Total	79	21	100	70	30	100		
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	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 N/A 10x. Has the project team purchased or used any data sets? •Yes ONo								
10bb. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing N/A									
DDD Dogo 2 of 6							Performance Progress Repor		

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 quarter, 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? \$0					
11g. How much matching for	unds have been exper	0 11h	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

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