

## Q1-2013 Arizona Supplemental Answers Document

This attachment to our Q1 PPR details progress made against all goals, objectives, and milestones detailed in the approved Project Plan. Included is a description of each major activity / milestone planned for completion and current status.

Task	Year 4, Q1 (Jan 1 – Mar 31, 2013) Primary Milestone(s)	Complete By	Q1 Response	Corresponding Primary Activities
<b>Capacity Building</b>				
1.1	Continuously Update activities related to Digital Arizona Council (DAC)	Ongoing	Current as of Q1	Maintain schedule & activities related to Digital Arizona Council (DAC) including various Task Groups.
1.2	Strategic Plan - Work includes use of data from the mapping project to create and maintain a Statewide Strategic and Tactical Broadband plan, with emphasis on Broadband deficit areas of the State.	Ongoing	Current as of Q1	<p>The Strategic Plan was updated in Q1. The plan continues to be communicated with each region of the State via the Digital AZ portal <a href="http://www.digitalaz.gov">www.digitalaz.gov</a> and DAC Council. We will continue to communicate updates and changes to the Plan as it evolves. The current update includes "Alternate Viewpoints" as expressed to us by COX and the AZ-New Mexico Cable Communication Association by way of official letter. The updated version is posted to the Digital AZ portal ( <a href="#">AZ Broadband Strategic Plan</a> ). Three versions will continue to stand in DRAFT form until the Digital Arizona Council decides to adopt or approve, (1) a full unabridged version, (2) a condensed version, and (3) an executive summary version.</p> <p>We have closely supervised; monitored and validated ongoing contract work related to the Strategic Plan and updated versions throughout its several iterations. The DAC and ASET continue to maintain partnerships with the AZ Department of Transportation (ADOT), the AZ Department of Education (ADE), regional Councils of Government (COGs), regional government consortiums, and others to pursue the vision of Digital Arizona Highways SB1402. We continue to seek support from the Governor's Office and ADE, specifically regarding the education advantages related to a statewide digital capacity infrastructure improvement initiative. A broadband steering committee has been created by the Governor's office of Education Innovation in support of <a href="#">Arizona Ready</a> (Arizona's Education Reform Plan). These alliances and collaborative efforts will continue into Q2 2013.</p> <p>The DAC (supported by ASET) continues to explore multiple public and private funding opportunities to enable the build-out of conduit infrastructure statewide. We continue to manage interest, especially from infrastructure contracting firms, based out-of-state. We are doing this through in-person meetings attended by ASET staff as well as subject matter experts retained by our program contractors.</p>
1.2	ASET Team and Digital Arizona Council (DAC) Task Group Formalize and Maintain a Statewide Digital Arizona Broadband Plan	Ongoing	Current as of Q1	DAC Task Group members finalized the DRAFT version of the Statewide Strategic Broadband Plan, which was presented to the DAC for review during its Nov 8 <sup>th</sup> , 2012 meeting. The continued coordination and feedback between regions of the state and the recently updated DRAFT version of the Strategic Plan are being coordinated through the DAC, DigitalAZ.gov,

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				COGs, and other interested parties.  ASET and the Council will continue to periodically update the plan and send the updates to other Stakeholders. Current versions of the plan are available to the public <a href="#">on our website</a> .
1.3	Capacity Building - continuous use of Broadband Team, including Staff support of DAC and to actualize Contracts for Broadband Policy work. As part of Capacity Building, Broadband Team definitions and Various Tasks to accomplish and support ASET's Broadband Requirements. Tasks will be performed and accounted for with Allocations for Capacity Building	Recurring	Current as of Q1	<p>The DAC held its 7<sup>th</sup> public meeting in Q1.</p> <p>During this meeting, the updated DRAFT Strategic Plan was announced. This version includes the "Alternate Viewpoints" section documenting the views of COX and the AZ-New Mexico Cable Communication Association. The DAC also welcomed Jane Patterson, of North Carolina, as a guest speaker. Jane addressed the intricacies of establishing a sustainable, far-reaching, collaborative statewide broadband program focused on better internet for all. Her message enlightened the attendees and addressed the impacts of such a program across education, healthcare, economic development and public safety.</p> <p>On a strictly policy and facilitation basis, as part of SB1402, Digital Arizona project stakeholders continue to communicate with out-of-state funding sources regarding a potential infrastructure project to connect the City of Payson back to the Phoenix area with high capacity broadband backhaul connectivity through the laying of conduit facilitated by this recently passed AZ legislation.</p> <p>ASET Broadband Team's Leadership Activities continue to include Manager Meetings, Budget Approval, Broadband Team Management (Personnel Review, Policy etc.), planning and logistics for DAC meetings, posting and distribution of DAC minutes and materials on <a href="http://www.digitalaz.gov">www.digitalaz.gov</a>, state agency coordination with ADOT, Department of Education, state agency CIOs, coordination of E-Rate with Broadband Plans which includes the updating of content on the Digital AZ website. Additionally, the project team continues to work on our contractor outreach efforts to the rural Councils of Government (COGs) including rural municipal governments and large-scale fiber construction contractors.</p> <p>We continue exploring the potentiality of a public-private partnership (PPP) formation as a structure to create a public/private stand-alone Office to support the long term sustainability of our efforts well past the federal grant expiration date. This PPP would be supported by alternate funding mechanisms.</p>

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2.0	ASET Team to Identify Broadband Policy Needs and required changes via a Task Group - This Task group proposes policies (i.e., Right of Way) that help to either eliminate barriers or improve the likelihood that Broadband Infrastructure may be more easily deployed.	Ongoing	Current as of Q1	<p>As of this reporting (April 23) our Vertical ROW and Longitudinal Highway ROW studies have been made public by means of our web portal.  <a href="http://www.digitalarizona.gov/About/Current_Work.html">http://www.digitalarizona.gov/About/Current_Work.html</a> . We will also announce during our next DAC meeting that this information is available for review.</p> <p>With the passage and signing into law of SB1402 – Digital Arizona Highways Act, we continue to implement opportunities that the new law affords, and are creating a framework wherein the activities enabled by this legislation will be managed.</p>
2.0	ASET team provides continuous support for the discovery or maintenance of policies (i.e., Right of Way) documentation to further the cause of Infrastructure deployment.	Recurring	Current as of Q1	<p>In an effort to establish an empirical foundational framework for support of needed Policy, best practices, and needed infrastructure development, we have entered into an agreement with Mobile Pulse for the development of a mobile wireless measurement and testing tool. This tool will provide a simple, secure and scalable solution leveraging smartphones, tablets and PC's with GPS to deliver precise data about the performance of mobile broadband networks. We will use this anonymous data for display, mapping and other broadband analysis activities and submit the summarized, anonymous data by census track and block to NTIA as part of our regular submissions. Additionally, the AZ FirstNet program plans to utilize Mobile Pulse data to identify locations and performance of cell towers throughout the state by carrier and to provide public safety entities with a mechanism for enforcing SLAs with their mobile service providers.</p> <p>We will feature the free Mobile Pulse app on certain web pages used in the AZ lottery speed test and the Digital Arizona portal. Mobile pulse speed test data generated from these landing pages will be integrated with survey data captured at the time of the test. We will have access to the anonymous tests from mobile devices downloading the app from this process.</p> <p>We continue to improve and update a detailed planning, staging and scheduling tool called the "Prioritization Matrix". This tool supports evaluation and assists in determining prioritization of the future statewide conduit build out initiatives and the proper sequencing and staging of these initiatives under the SB1402 framework. This updated decision matrix assists the decision making process by focusing on 88 road segments totaling 5017 linear miles rather than individual communities as the basis for evaluation on both empirical (data driven) and qualitative levels.</p> <p>Within the high level objectives, 9 key priorities are identified to assist the gathering of vital information within 73 key data elements. The resulting informative picture will assist in determining a "staged" build out approach. We are working to develop a GIS database framework for the gathering and sustainment of this information. This data will eventually be graphically integrated into the state broadband community planning map incorporating user access credentialing and security protocols for sensitive public safety information.</p>

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3.0	Rural/Tribal Economic Development and Tribal Broadband Task Group Support Actives - define needs and promote solutions for Broadband in Rural areas, especially with Economic Development and Business Groups who have unique needs.	Multiple Recurring Meetings	Continuing	<p>We continue to reduce some of the physical on-site meetings in favor of a comprehensive outreach by utilizing our web-portal and remote conferencing that have proven to be extremely effective in stimulating interactions and discussions around broadband adoption and rural infrastructure build out throughout the State. To date, we have received valuable inquiries and communication by way of the web portal "contact us" page. These inquiries have included citizen inquiries regarding assistance in obtaining "better internet" as well as providers wishing to be included in the State Map.</p> <p>We continue an active rural outreach task group. We continue supporting the work of Task Groups in two non-profit entities (ATIC, ATII) that are working on Broadband related rural economic development (Strategic Plan, Event Planning). These activities include the planning for four regional summits in addition to one already completed statewide Summit held on November 13, 2012. We plan the four rural outreach events will occur by Q4 2013.</p> <p>Additionally, we are conducting outreach to Tribal and rural communities via a combination of formal meetings region specific web content at <a href="http://www.digitalaz.gov">www.digitalaz.gov</a>.</p>
3.0	ASET team to provide continuous support and Outreach to Digital Arizona Council (DAC) Task Group activity - including Outreach to Economic Development, Tribal, and Rural Business Development groups, to promulgate best practices and policies to the local level and align local and State Strategies.	Recurring	Current as of Q1	<p>The ASET team continues to attend, lead or coordinate forums and educational events geared to remote areas. We have given informational and educational presentations to rural Councils of Government transportation experts (NACOG, CAAG, WACOG, SEAGO-area stakeholders) [Jan. 17] as well as actively participated in ATIC board meetings. Additional presentation given during the Jan 18<sup>th</sup> meeting of the County Supervisors Association in Phoenix. We met with Rebecca Gau, Director of the Governor's Office of Education Innovation, on two separate occasions regarding AZ Ready and AZ Common Core testing requirements. These discussions included policy and governance considerations surrounding the creation of a select steering committee tasked with the development of the network and infrastructure backbone necessary to assure statewide K12 and higher education institutions have sufficient digital capacity to meet the connectivity requirements of these initiatives.</p>
4.0	Intergovernmental Broadband & Economic Development Task Groups - These Task Groups may coordinate intergovernmental Broadband needs, including Counties, Cities, Towns, and School Districts as they work toward funding Broadband in their jurisdictions.	Recurring	Current as of Q1	<p>We continue physical and virtual visits with county officials and technical personnel. As noted above, we are focusing our efforts on the rural Councils of Government (COGs) as a centralized coordination point for this outreach effort. These organizations continue to be effective in reaching further into the depths of rural Arizona also deepening our relationship with ADOT at the regional level. The rural COGs continue to support and champion our community outreach efforts. The county managers in the Southeast region of the state (SEAGO area) are directly supporting our activities through the Cochise County Government.</p> <p>Conversations continue with stakeholder groups like the Arizona Telecommunications and information Council (ATIC). ATIC aggressively assisted with our outreach efforts. We</p>

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				presented to the Arizona Association of County CIOs during their February meeting speaking to the Digital Arizona Program goals and objectives.
5.0	Impact regional and National Policy: Support Personnel costs associated with outreach activities to various US regional and National professional Stakeholder Communities as required, to facilitate partnerships in Policy solutions, Broadband projects, and dissemination of Best Practices.	Multiple Recurring Meetings	Current as of Q1	<p>We attended, led, and participated in regional and National Broadband discussions. While attending the Freedom to Connect conference in March, we met with FCC Officials in Washington DC as well as our NTIA Program Manager, Lynn Chadwick, to discuss Arizona specific program progress and accomplishments. With the FCC, we discussed the FCC's desire for study area boundary data, the rural healthcare order (telehealth), the tribal lifeline program, USF, and other topics.</p> <p>Two team members were asked to participate in the planning efforts for the May SBI Workshop being held in conjunction with the SHLB/NTIA conference in Washington, DC. We began work with other steering committee members to facilitate and organize the topics and hosts points for table discussions.</p> <p>Our additional outreach efforts at the federal level and with other states continue to include significant discussions of the value of combining state resources in planning the implementation of FirstNet in concert with Arizona's SBI program. It is clear to us that in states with low-density rural populations with vast geographic areas; the sharing of resources for the implementation of both programs is an absolute necessity. We continue the process of merging much of the planning and outreach efforts as these efforts reach the same rural audiences along the same rural highways and require agreement and support from the same rural decision makers.</p> <p>We continue to believe that the eventual building of the required networks for both FirstNet and general expansion of broadband capacity can benefit enormously from sharing these resources as they are built and the impact of SB1402.</p>
<b>Technical Assistance Project</b>				
6.0	The following are Institutional (non-State) and Local providers of Broadband technical support. Dollars will be pass thru from ASET to these institutions. Matching is illustrated here as being from "Travel". Matching could also be from local Personnel allocations or from Other (Cash, local Contracts, etc.). ASET will also provide pass thru value from its "Matching" in-kind sources.	Ongoing	Current as of Q1	<p>As discussed in previous reports, the use of letters of agreement for our TA contracts has proven to be very effective.</p> <p>We continue overseeing the ongoing management of the TA program to the 4 rural COGs (NACOG, WACOG, CAAG, and SEAGO [Cochise County Governments]). All four agreements are underway with consultants identified by the respective awardee to assist in the Technical Assistance work. These four Technical Assistance agreements to local regions total \$69,100. Prior to the awards, we had conversations with the COGs and their identified consultants regarding effective choice of deliverables and measures of success relating to those deliverables.</p> <p>Our two legal intern-level data analysts continue to facilitate data gathering related to decision matrix ROW availability and planning requirements, including project prioritization,</p>

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				stakeholder/community entity research, impact reporting, and other required project data analysis. They were assigned workstations located within the Right of Way department at the AZ Department of Transportation (ADOT). Both ASET and ADOT will ultimately benefit from this research as we prioritize implementation of SB1402.
6.0	Implement multiple community broadband planning tools, design of sustainable governance & funding models, SB1402 implementation with third parties	Ongoing	Current as of Q1	<p>As mentioned previously, the ASET team, GIS team at ASLD, ATIC, and our contractors have developed a constellation of planning tools accessible through our mapping portal including video tutorials on their use. These tools are already being put to early use. They will be used extensively in regional and local community capacity planning and technical assistance work to be performed by the consultants and the Digital Arizona team for both planning local and statewide programs.</p> <p>As mentioned previously in this report preliminary conversations have begun with third parties about the establishment and funding of a Public-Private Partnership (PPP) as a long term home for the Digital Arizona program. These discussions are progressing with regards to funding and business models. We are continuing to explore the long term potential of assisting ROW owners in their efforts to monetize existing ROW assets throughout the State. These entities include Railroads, Power Utilities, Gas-Lines, and Canals.</p>
6.0	Technical Assistance for Local Communities. Via Letters of Agreement they will supply matching dollars as their portion (ASET to manage portfolio of Contracts) three to four Contracts will total 80K per year as pass thru via ATI Institute to entities.	Ongoing	Current as of Q1	<p>As mentioned, four agreements for Broadband development assistance (Technical Assistance) are underway. One of which was begun during Q1 and a second on April 4<sup>th</sup>. These four Technical Assistance agreements to local regions total \$69,100.</p> <p>The ATI Institute continues to manage the Technical Assistance (TA) process under direction of ASET.</p> <p>Contractors working on the WACOG agreement began a gap analysis county by county and community by community including broadband services and infrastructure availability using the state's map portal and other GIS resources. They also assisted with NACOG and CAG mapping efforts setting the framework and techniques for WACOG efforts.</p> <p>Contractors working on the CAG and NACOG agreement completed a detailed 25+ page GAP analysis and findings report. These completed reports are available to NTIA upon request.</p> <p>Our engagement with local planning includes a dictum that we not "micromanage" local issues. The Verde Valley subcommittee (one of three identified sub-regions within the NACOG areas) requested the ASET team to help solve a cell tower placement issue, especially related to "not in my backyard" complaints from local citizens. Our light handed response led to increased local involvement and identification of a larger need, per this response. "What we're actually needing is a regional cell site plan, not towers. In fact, we're trying to get ourselves organized so we can respond to tower location</p>

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				requests already underway. We hope to develop a regional plan and probably a tower ordinance.” ASET is confident that the resultant tower ordinance will become a best practice for other rural areas of the State.
<b>Local Planning Project</b>				
3.0	Implementation of detailed broadband use case and demand aggregation analysis in selected rural communities and other associated tasks	Ongoing	Current as of Q1	<p>We have been actively recommending and supporting rural broadband committees to engage local education, healthcare, public safety, and economic development professionals in arriving at jointly created solution for aggregating local demand as a principle method for driving an increase in broadband capacity in their communities.</p> <p>Business case analyses, as part of two of the four LRP agreements with the COGs (CAG and NACOG), have been substantially completed. Work continues on two others (WACOG and Cochise County Governments).</p> <p>In WACOG, consultants Worked with WACOG staff and others to identify target WACOG Broadband Steering Committee representatives from regional economic development, educational technology, transportation, government IT, healthcare, and public safety stakeholders. This included the drafting of a letter inviting prospects to participate. The letter was then issued to 18 target individuals.</p> <p>Consultants met with WACOG IT staff to determine broadband web page creation processes and outlined content to communicate Broadband Steering Committee background and progress as well as foster community interest in related activities. They also presented the Digital Arizona Project (DAP) and regional broadband planning and assistance efforts to WACOG Executive Committee (2/14/13).</p> <p>A Community Snapshot spreadsheet was developed for Yuma with versions for the other nine cities also begun. A Broadband Grant &amp; Resources Guide framework was also developed with information population initiated.</p> <p>It is our intention to circulate the reports generated for each of the COG regions with all the other regions throughout the State. Our hope is that this will stimulate additional thinking and create consensus about best practices.</p>
4.0	Implement detailed decision support MATRIX for determining prioritization of SB1402 (AZ Digital Highways Act of 2012) rollout options and other associated tasks	Ongoing	Current as of Q1	<p>We continue to develop and expand the decision MATRIX by adding data criteria to support critical decision making and planning to assure committed use of planned resources by the private sector and local communities.</p> <p>This tool supports evaluation and assists in determining prioritization of the future statewide conduit build out initiatives and the proper sequencing and staging these initiatives under the SB1402 framework.</p>

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7.0.	ASET will Manage a program of Local Broadband Planning funding to Local communities and Stakeholder groups. Matching will be provided by recipients. Total funds to pass through to local recipients will equal up to 250k through years 3-5.	Ongoing	Current	<p>Through our Outreach contractors, ASET identified several recipients (COGs) and related community entities within those COGs, for local planning fund contracts to support local capacity building.</p> <p>Two of the four agreements are now being closed out. Each award was for \$30,000 for a total of \$120,000 across the 3 COGs and the Cochise County Governments.</p> <p>The forth agreement of \$30,000 was in-fact awarded to the county managers within the Southeastern Arizona Government Organization (SEAGO) region, managed by the Cochise County Government, which is the largest county in this four county southeastern region of Arizona. The county voted to accept the funding program on March 26<sup>th</sup>. The other three county governments in this southeastern region are participating jointly.</p> <p>As of this reporting, we have finalized deliverables from the NACOG and CAG contract agreements (April 3, 2013).</p> <p>A business case analysis and a technical GAP analysis have been completed in the Northern (NACOG) and Central Councils of Government (CAG). Associated tasks completed include the formation of a local broadband committee, local website presence and additional grant opportunity identification.</p> <p>With these agreements, we have substantially completed our goal of equal distribution of round 1 LRP funds across the four rural COG regions.</p>
<b>Mapping Task</b>				
3.2	Update and Deliver Broadband and Community Anchor Databases.	Ongoing	Current	We continue to track Broadband services by Community Anchor Institutions in the State and the actual speeds and costs of their Broadband services. For Arizona we have expanded the definition of CAI to include a significant number of commercial institutions which either have a significant broadband demand, or provide Wi-Fi or other internet access to the public.
3.3	Update the Arizona Broadband Map (including community economic and census data for purposes of community broadband planning).	Ongoing	Current	<p>We are continuously updating the Arizona Map with additional actual measured Broadband speed performance data for both fixed location services and mobile services.</p> <p>Our Arizona specific speed test functionality is fully operational along with a detailed voluntary survey as of Q1. To date (April 23) a total of <u>6,118</u> speed tests have been run (this includes some repeated speed tests conducted at the time each survey was taken).</p> <p>We have partnered with the Arizona State Lottery and the AZ Department of Education to assist in expanding the scope and reach of the Speed test across the State. A link to the AZ Speed Test has been posted on the Lottery Home Page allowing for easy recognition. As of this reporting (April 23) there have been <u>2,156</u> speed tests run as a result of the Lottery webpage collaboration.</p>

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				<p>The AZ Department of Education has used emails and web links to solicit state education personnel to take the AZ speed test. As of this reporting (April 23) there have been <u>2,307</u> speed tests run as a result of the AZ Department of Education collaboration</p> <p>We continue to improve upon the development of a standalone planning-specific version of our State Broadband Map called the “<b>Community Broadband Planning Map Tools</b>”. These tools can be found on our Broadband Portal <a href="http://broadbandmap.az.gov/CommunityPlanningMap/">http://broadbandmap.az.gov/CommunityPlanningMap/</a> These tools are freely available to the general public and will prove most useful for planners, economic development organizations, and others. These tools continue to be updated with valuable datasets including demographics, economics, statistics, and many other functions which will be used by a wide array of planners, developers, and public/private stakeholders in efforts to determine factual representations of actual community specific circumstances.</p> <p>We continue to develop video step-by-step tutorials to be used as training tools for how users can analyze any planning scenario. Please view this video library by clicking here: <a href="http://www.youtube.com/user/ArizonaBroadband">http://www.youtube.com/user/ArizonaBroadband</a></p>
3.4	Maintain the Hardware, Software, Communications and Data Infrastructure to Support Processing and Delivery of the Arizona Broadband Services and Community Anchor Databases and the Operations of the Arizona Broadband Map.	Ongoing	Current	<p>We continue to keep the Broadband Map servers and software working at a high level of reliability. As a result of our expanded Broadband Map, State Specific Speed Test, and Website functionality, as reported (Q4 2012) we have improved upon and upgraded certain database and server processes, including: (1) Creation of a survey database, (2) Creation of code to match Ookla Speed Test Results with Survey Results, (3) Re-direction of the DNS, (4) Creation of a survey using Lime Survey associated with a SQL database on the AZDOA/ASET webserver.</p>
3.5	ASET Y3 Phase 3 Project Management.	Ongoing	Current	<p>We continue to manage the overall Mapping, Capacity Building, Local Planning, and Addressing and Technical Assistance programs for effective results.</p>
<b>Addressing Tasks</b>				
3.6	Addressing Initiative tasks.	Ongoing	Current as of Q1	<p>The Arizona Broadband (AZBB) Mapping Project, through the AZBB Address Project, is obtaining existing address and road network data. By helping to accurately develop new address and road network data, this information will be used to improve the accuracy of our overall Broadband mapping records.</p> <p>A contractor was hired to provide GIS services for developing methods for the use of improved address data for the AZ Broadband Mapping project. This contractor assessed existing address data and helped develop contract requirements to assure contracts for newly developed 9-1-1 address data can be used to better identify levels of broadband services available at the street address level throughout the state. Currently, a 9-</p>

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				<p>1-1 contractor has been selected and is developing data for Navajo and Apache counties and the final selection of a vendor to develop 9-1-1 data for La Paz County is in process.</p> <p>In Arizona, TIGER files and commercially available data sets are accurate within major urban areas, but often lack spatial accuracy, current road segments, or address attributes in many of the rural parts of the state. While the quality of data received from the providers can be problematic, the address data available to perform address matching also creates a high rate of “no matches” when used for geocoding purposes. To reduce this critical problem, we are developing accurate and current road networks, address ranges, and (as possible) address point locations for Arizona’s 15 counties.</p> <p>We continue to suggest to NTIA that a standard method be developed for reporting rural addresses that do not use a “regularized” street numbering or naming convention (perhaps a flag to indicate X/Y location coordinates should be utilized in these circumstances).</p> <p>We are working to assure that street centerlines and address data, for the three counties that still need this data, are developed to meet our state 9-1-1 GIS standards. This standard anticipates NG911 and has additional attributes which support AZ Broadband Mapping geocoding activities. A study is continuing to assess the quality of existing county address data and determine the most cost effective methodology to convert and standardize existing county address databases for all county addresses. To date, statewide, geocodable street network and address schemas have been developed, and data has been collected, processed and assembled from local 9-1-1 sources. The appended statewide road network has been evaluated for geocoding rates and accuracy. This is the first time such a locally-based network has been assembled in Arizona and it was used in the Spring 2013 AZBB data submittal process. It will continue to be analyzed and improved and the improved version will be used for the AZBB Fall 2013 submittal process.</p> <p>The address level granularity of this improved database will also allow more accurate mapping of speed test/survey results for the AZ map and perhaps at some point for an enhanced national map.</p> <p>The insights gained into multi-agency coordination, collection, pre-processing, appending and quality control will be used to further develop and refine a sustainable workflow for maintaining statewide geocodable street network and address point files. We are developing agreements with counties and local government to obtain maintained address and road network data on an ongoing basis. Earlier work has shown that geocoding success rates increase when available address data is supplemented with county address data for Broadband</p>

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				<p>mapping purposes. It is anticipated that the geocoding 'hit' rate will continue to increase as counties partner with the state and together we participate in improving Arizona street centerline and address data.</p> <p>In addition, we are working with the Arizona Department of Transportation (ADOT) to facilitate the development of all public roads required to meet the requirements of FHWA's MAP21 program. MAP-21 creates a streamlined and performance-based surface transportation program and builds on many of the highway, transit, bike, and pedestrian programs and policies established in 1991. Our intention is to leverage other funding sources for enhanced addressing such as ADOT and E911 to create better broadband mapping data.</p> <p>We have provided ADOT with a Scope of Work which was approved by the Federal Highway Administration (FHWA). We are now developing an agreement with ADOT to partner and partially fund expanded development and maintenance of road network data which meets FHWA, Broadband mapping and 9-1-1 requirements. This option is being pursued to increase the potential for address and road network data to be continuously improved and provided for the Broadband project on an ongoing basis.</p> <p>The AZBB Address Project continues to repurpose an existing server to assist rural counties in hosting their address and road network data. This new secure server will allow counties, to contribute and access street centerline and address data as a backup for their own purposes and for use by the AZBB Mapping Project. The project now annually collects existing street centerline and address data from county 9-1-1 and GIS offices. New agreements with counties and tribal governments will improve the quality of this data over time as participation expands. This repurposed server is being developed as an Arizona Geospatial Clearinghouse (AZGEO) which will act as a repository for geospatial (address ranges, points, road networks, etc.) data to support the activities of this project.</p> <p>Street centerline and address data developed for the AZBB Mapping Project will also be made available to state and county agencies to locate and geocode address data to assist state, county and municipal first responders and for any other approved purposes such as FirstNet planning.</p>