Environmental Assessment

Almedia

3191 Columbia Boulevard

Bloomsburg, Columbia County, PA

Project: 0412909 – EnSite #23899

December 18, 2015

Professional Service Industries, Inc. (PSI)
# TABLE OF CONTENTS

1.0 INTRODUCTION........................................................................................................... 1  
1.1 SITE DESCRIPTION.................................................................................................... 1  
1.2 SITE LOCATION......................................................................................................... 1  

2.0 SITE INFORMATION .................................................................................................. 2  
2.1 SITE SELECTION........................................................................................................ 2  
2.2 ZONING CLASSIFICATION/LOCAL COMMUNITY ISSUES............................................... 2  
2.3 ALTERNATIVES CONSIDERED ................................................................................... 2  
2.4 PURPOSE AND NEED .............................................................................................. 2  

3.0 ASSESSMENT OF POTENTIAL IMPACTS ................................................................. 3  
3.1 WILDERNESS AREA RECORDS REVIEW ................................................................. 3  
3.2 WILDLIFE PRESERVE REVIEW .............................................................................. 3  
3.3 THREATENED OR ENDANGERED SPECIES RECORDS REVIEW ............................. 3  
3.4 HISTORIC BUILDINGS OR STRUCTURES RECORDS REVIEW .................................... 4  
3.5 INDIAN RELIGIOUS SITES RECORDS REVIEW.......................................................... 4  
3.6 FLOOD PLAIN RECORDS REVIEW .......................................................................... 4  
3.7 SURFACE FEATURES .............................................................................................. 5  
3.8 LIGHTING .............................................................................................................. 5  
3.9 RADIO FREQUENCY ............................................................................................... 6  

4.0 ENVIRONMENTAL CONSEQUENCE ........................................................................ 7  
4.1 IMPACT TO SURFACE FEATURES ........................................................................ 7  

5.0 SUMMARY AND RECOMMENDATIONS .................................................................... 9  

6.0 QUALIFICATIONS OF PERSONNEL ......................................................................... 10  

LIST OF APPENDICES  
Appendix A – Site Figures  
Appendix B – Site Photographs  
Appendix C – NEPA Documentation  
Appendix D – EA Documentation – Building Permit  
Appendix E – Qualifications of Personnel
1.0 INTRODUCTION

Cellco Partnership and its controlled affiliates doing business as Verizon Wireless is in the process of developing the Raw Land-New Build-125-foot-Monopole Almedia Cell Site. A review of the flood plain map revealed that the southern portion of the lease area, a portion of the access road, and the proposed underground utilities are in the flood zone with a base elevation at or below 488-feet. In accordance with 47 CFR, Section 1.1307, this Environmental Assessment has been prepared for Verizon Wireless, to address the potential environmental effects which may be associated with the project.

1.1 SITE DESCRIPTION

The Site address is 3191 Columbia Boulevard, Bloomsburg, Lycoming County, PA 17815. The site is approximately 85-feet to the north of Columbia Boulevard. The intersection of Ridge Street and Columbia Boulevard is approximately 730-feet to the east of the site. The Site's latitude and longitude are N 41-1-2.06 / W 76-23-36.26 (NAD83). The Site currently consists of an undeveloped area covered with grass and woodland, on land owned by David and Amy Definnis (parent property). The site is slightly sloping to the south. There are no structures or water bodies on the site.

This project involves the review of Raw land – New Build, 125-foot Monopole Communications Tower Site. The Almedia Cell Site is a proposed construction of a 120-foot monopole communications tower, with a 5-foot lightning rod, for a total height of 125-feet. The proposed project also involves the construction of an approximately 2,800 square foot compound, within a 5,400 square-foot lease area. Verizon Wireless also proposes to construct a 12-foot by 20-foot platform with canopy and a 4-foot by 10-foot concrete pad for the propane generator, within the proposed tower compound. The proposed access easement extends from the east side of the lease area and travels through grass approximately 15-feet to an existing asphalt driveway. The driveway extends approximately 300-feet to the east to U.S. Route 11 (Columbia Boulevard). The utility easement extends from the south side of the lease area and travels approximately 85-feet through a grass area to an existing utility pole. A site plan of the property was provided by Verizon Wireless and is included in the Appendix.

1.2 SITE LOCATION

The site is approximately 85-feet to the north of Columbia Boulevard. The legal description for the subject property can be found, in deed book 20,030, page 6297 and at parcel # 31 04-04406000 as recorded in the Columbia County Deed Office.
2.0 SITE INFORMATION

2.1 SITE SELECTION
The selection of cellular antenna structure sites must be based primarily on an established grid within a given service area with antenna structures being constructed at specified nodes. As such, there is limited flexibility as to the exact location of the antenna structures to allow for factors such as available sites as well as sites that are environmentally sensitive.

2.2 ZONING CLASSIFICATION/LOCAL COMMUNITY ISSUES
The proposed tower is located in Scott Township. According to the Scott Township Zoning office, the proposed tower is located in a general commercial district, which permits towers. The construction of the proposed tower was approved by Scott Township under building permit C2015-0071 and zoning permit number 57-15, which were required. A copy of the building permit and zoning permit can be found in Appendix D. The site and the antenna structure have not been a source of controversy on any environmental or historical grounds within the local community. The proposed work does comply with the Scott Township General/Commercial Zoning Ordinance and was approved at the township meeting on August 19, 2015. Verizon Wireless obtained the Scott Township zoning permit on October 23, 2015. The building permit was issued on November 16, 2015.

2.3 ALTERNATIVES CONSIDERED
Other locations were investigated, one was rejected by lease agreements and others were found by Verizon Wireless to not suit the RF needs for the area.

2.4 PURPOSE AND NEED
The proposed project would provide enhanced wireless service to portions of Scott and South Center Townships along Route 11.
3.0 ASSESSMENT OF POTENTIAL IMPACTS

In accordance with 47 CFR, Section 1.1307, the following issues require the preparation of an environmental assessment. Included in this section is a statement as to whether each one of these items are applicable and if so, a discussion of the potential environmental effects is included.

3.1 WILDERNESS AREA RECORDS REVIEW

Findings: The subject site and adjoining land are not within a Designated Wilderness Area. Based on this information, PSI believes that the subject site is not located in a wilderness area.

No EA is required for this issue.

3.2 WILDLIFE PRESERVE REVIEW

Findings: All wildlife preserves in Pennsylvania are private. The site, which is privately owned and developed, has not been designated by the owner as a wildlife preserve. Based on this information, PSI believes that the subject site is not located in a wildlife preserve.

No EA is required for this issue.

3.3 THREATENED OR ENDANGERED SPECIES RECORDS REVIEW
Source: Site observations and consultation with the Pennsylvania Natural Diversity Index (PNDI) Project Environmental Review (includes the PA Game Commission, PA Department of Conservation and Natural Resources, PA Fish and Boat Commission and U.S. Fish and Wildlife Service (USFWS)).

Findings: There are no federally listed threatened or endangered species or critical habitat present at the Site that would be affected by the proposed project. Therefore, the project will have no effect on protected species and critical habitat. The agencies determinations and responses are valid for two years from the PNDI review dated February 26, 2015.

USFWS recommendations published in Interim Guidelines for Recommendations on Communication Tower Siting, Construction, Operation, and Decommissioning (2000) state the preferred tower height to decrease potential effects on migratory birds is less than 200 feet tall. The siting and design process for this project could not conform to all
the USFWS recommendations. Therefore, it has included mitigating factors such as consideration of collocation, tower siting with existing towers or in minimally sensitive areas, limiting tower height to 125 feet and eliminating the need for guy wires.

No EA is required for this issue.

3.4 **Historic Buildings or Structures Records Review**


Findings: Based on the information provided, SHPO finds that there are no Historic Properties in the area of potential effect for direct or visual effects.

In the event that archaeological materials are encountered prior to or during construction of the facilities, SHPO, tribes and other consulting parties must be contacted. Archaeological materials consist of any items, fifty years or older, which were made or used by man. These items include stone projectile points (arrowheads), ceramic sherds, bricks, worked wood, bone and stone, metal and glass objects, and human skeletal remains. These materials may be present on the ground surface and/or under the ground.

No EA is required for this issue.

3.5 **Indian Religious Sites Records Review**

*Source:* Map location review, Indian Reservations in the Continental United States, Bureau of Indian Affairs Map, and consultation with federally recognized tribes.

Findings: Due to the nature of this undertaking little potential exists for effects to Indian Religious sites. Current land use in the surrounding area was considered. It was determined through this review and tribal consultation, as outlined in the NPA, that the above referenced project is unlikely to affect Indian religious sites.

In the event that archaeological materials are encountered prior to or during construction of the facilities, SHPO, tribes and other consulting parties must be contacted. Archaeological materials consist of any items, fifty years or older, which were made or used by man. These items include stone projectile points (arrowheads), ceramic sherds, bricks, worked wood, bone and stone, metal and glass objects, and human skeletal remains. These materials may be present on the ground surface and/or under the ground.

No EA is required for this issue.

3.6 **Flood Plain Records Review**

Findings: According to the FIRM, the site is located within a 100 year flood zone (Zone AE). The 100-year flood zone is at an elevation of 488-feet as shown on the attached FIRM. The monopole and equipment elevation is 492 feet above mean sea level as shown on the attached site plans. However, the southern portion of the lease area, a portion of the access road, and the proposed underground utilities are in the flood zone at and below 488-feet. The FIRM can be found in Appendix D.

According to 47 CFR, Section 1.1307, this action may have a significant environmental effect, and therefore must have an Environmental Assessment (EA) prepared.

3.7 SURFACE FEATURES
Source: Site observations, U.S. Geological Survey (USGS) 7.5-Minute Series Topographic Quadrangle, Natural Resources Conservation Service (NRCS) Soil Survey and U.S. Fish and Wildlife Service (USFWS) National Wetland Inventory (NWI) map.

The Army Corps of Engineers (COE) has been delegated authority for determination of wetlands by Section 404 of the Clean Water Act. The COE wetlands determination considers soil type (hydric), vegetation type (hydrophytic) and hydrology.

The Natural Resource Conservation Service (NRCS) provides county soil maps which delimit hydric soils and assist in making the wetland determination. The Fish and Wildlife Service (FWS) maintains the National Wetland Inventory (NWI) maps. Where available, these data overlay the USGS 7.5-minute topographic quadrangles.

The National Wetland Inventory Map, Bloomsburg, PA Quadrangle was reviewed for this project. According to this map, no wetland areas are located on the site or access road.

Findings: Due to the scope of the proposed project activities, the current Site conditions and review of applicable source data, significant changes in surface features such as wetland fill, water diversion or deforestation will not be required at the Site.

No EA is required for this issue.

3.8 Lighting
In accordance with the guidance document “F.A.A. Standard for Obstruction Marking and Lighting”, towers less than 500-feet above ground level do not normally require high intensity white lights. The height of the proposed tower is 125-feet above ground level.

No EA is required for this issue.
3.9 Radio Frequency

The maximum exposure to radio-frequency emissions from the proposed Verizon Wireless facility will be far below FCC exposure limits. Using upper limit assumptions for the Verizon Wireless equipment configurations, the cumulative radio-frequency exposure levels would be at least ninety (90) times less than the FCC limits at all locations of public access.

No EA is required for this issue.
4.0 ENVIRONMENTAL CONSEQUENCE

4.1 IMPACT TO FLOOD PLAIN
The FEMA FIRM Map Panel 42037C0244E was available for the site area and is attached. According to the FIRM, the site is located within a 100 year flood zone (Zone AE). The 100-year flood zone is at an elevation of 488-feet as shown on the attached FIRM. The monopole and equipment elevation is 492 feet above mean sea level as shown on the attached site plans. However, the southern portion of the lease area, a portion of the access road, and the proposed underground utilities are in the flood zone at and below 488-feet. Site plans can be found in Appendix A. The FIRM can be found in Appendix D.

The FCC requires that an environmental assessment (EA) be prepared for cellular communication antenna structure locations which fall within a floodplain. The Federal Emergency Management Agency (FEMA) is the agency responsible for the mapping of flood prone areas. Accordingly, PSI employs the use of Flood Insurance Administration (F.I.A.) Flood Hazard Boundary Map for the purpose of determining whether or not a subject property is “within a floodplain.” Sites which fall within the 100-year flood zone are considered to be within a floodplain for the purposes of complying with FCC environmental assessment reporting requirements.

In areas which fall within a 100-year floodplain, a corresponding flood elevation has generally been established by FEMA or local building authorities. The base flood elevation on the map is 488-feet.

The Verizon Wireless installations are non-habitable, it is our understanding that the supporting structures will be located at an elevation above the 100-year floodplain.

Minimum building elevations are established within floodplain areas in order to minimize property damage risks to building owners and occupants. As is typical throughout the United States, FEMA establishes this minimum elevation. The ground coverage area and volume displacement of the Verizon Wireless equipment is negligible as compared to the configuration watershed area of the surrounding floodplain basin. As such, the installation of said equipment within a floodplain area in no way alters the critical elevation of the rising waters during flooding conditions. Verizon Wireless will have no impact to the floodplain because the equipment will be placed outside the floodplain. As a result, there are no significant environmental or flooding impacts associated with the placement of the tower site within an established 100-year floodplain.

Floodplain management is delegated by FEMA to the local governments as part of the flood insurance protection program and, as part of this program, the local governments are mandated to adopt FEMA requirements for activities within floodplains.

Verizon Wireless will reduce the risk of impact to floodplains, by constructing the tower and associated equipment outside the floodplain. The Municipality of Scott Township has approved the project as shown with the attached building permit (#C2015-0071).
The building permit can be found in Appendix D. The proposed structures would not impede the flow of water. Therefore it is unlikely the proposed Verizon Wireless project will have a significant impact on the floodplain.
5.0 SUMMARY AND RECOMMENDATIONS

This EA was prepared to explain the environmental consequences of the construction of the proposed communication tower on the subject site for the Bureau or the Commission to reach a determination that the proposed activity will or will not have a significant environmental effect. More specifically, this EA addresses the tower’s impact to a floodplain.

Supporting structures will be located at an elevation above the 100-year floodplain. Verizon Wireless will have no impact to the floodplain because the equipment will be placed outside the floodplain. As a result, there are no significant environmental or flooding impacts associated with the placement of the tower site within an established 100-year floodplain.
6.0 Qualifications of Personnel

Jason Egal conducted the Site Assessment and prepared the NEPA Review. Jayson Miller provided senior review. Thomas Baker was the Cultural Resource Specialist/Archaeologist and Elizabeth Roman was the Cultural Resource Specialist/Architectural Historian for the project. The professional qualifications of the above-mentioned Professional Service Industries, Inc personnel are presented in Appendix D.

_________________________
Jason Egal
Site Assessor/Natural Resource Specialist

_________________________
Elizabeth Roman
Cultural Resource Specialist/Architectural Historian

_________________________
Thomas Baker
Cultural Resource Specialist/Archaeologist

_________________________
Jayson Miller
Principal Consultant
Appendix A

Site Figures
Almedia Site  
Scott Township, Columbia County, Pennsylvania  

F.A.A. "1-A" ACCURACY STATEMENT  

This survey exceeds the accuracy required by the F.A.A. for "1-A" accuracy tolerances of ±20' horizontal and ±3' vertical.  

PROPOSED CENTER OF MONOPOLE  

N.A.D. 1983  
Latitude = 41° 01' 02.06" N  
Longitude = 076° 23' 36.26" W  

N.A.D. 1927  
Latitude = 41° 01' 01.75" N  
Longitude = 076° 23' 37.46" W  

Existing Ground Elevation = 492 feet  

Latitude and Longitude determined by carrier phase G.P.S. Survey.  
Elevation determined by carrier phase G.P.S. Survey.  
(Datum: N.A.V.D. 88)  

For RETTEW Associates, Inc. by  
Richard B. Orner – Professional Land Surveyor  
PA License # SU-042305-E  

Date: 2-5-2015  

J:\Projects\04180\041802672\Survey\FAA Cert\Almedia FAA 1-A.docx
Appendix B

Site Photographs
1) View from the southeast corner of the subject property looking west along the southern property boundary.

2) View from the southeast corner of the subject property looking south.

3) View from the southeast corner of the subject property looking east.

4) View from the southeast corner of the subject property looking north along the eastern property boundary.
5) View from the northeast corner of the subject property looking south along the eastern property boundary.

6) View from the northeast corner of the subject property looking east.

7) View from the northeast corner of the subject property looking north.

8) View from the northeast corner of the subject property looking west along the northern property boundary.
9) View from the northwest corner of the subject property looking south along the western property boundary.

10) View from the northwest corner of the subject property looking east along the northern property boundary.

11) View from the northwest corner of the subject property looking north.

12) View from the northwest corner of the subject property looking west.
13) View from the southwest corner of the subject property looking south.

14) View from the southwest corner of the subject property looking east along the southern property boundary.

15) View from the southwest corner of the subject property looking north along the western property boundary.

16) View from the southwest corner of the subject property looking west.
Appendix C

NEPA Documentation
Date: March 9, 2015

**Protected Species - “No Effect Findings”**
Cellco Partnership and its controlled affiliates doing business as Verizon Wireless
Almedia Cell Site
Raw Land-New Build – 125-foot - Monopole Tower
3191 Columbia Boulevard
Bloomsburg, Columbia County, PA 17815
Lat/Long: 41°-1’-2.06”/ 76°-23’-36.26”
Ensite # 23899
PSI Project No. 0412909

Professional Service Industries, Inc. has conducted a determination of effect for Protected Species and critical habitats at the above referenced location. The determination included site observations consultation with the Pennsylvania Natural Diversity Index (PNDI) Project Environmental Review (includes the PA Game Commission, PA Department of Conservation and Natural Resources, PA Fish and Boat Commission and U.S. Fish and Wildlife Service (USFWS)), and consultation with the USFWS Information, Planning and Consultation (IPaC) system (http://ecos.fws.gov/ipac).

PSI utilized the USFWS IPaC system to determine if any federally-listed, proposed, or candidate species are located in the area of the proposed project. The Trust Resources List, revealed the following Federally Listed, Proposed and Candidate Species (in Columbia County, PA):

- Northern long-eared bat – Proposed endangered species
- Indiana bat – Endangered species
- Northeastern bulrush – Endangered species

PSI conducted a site visit on March 2, 2015. The PNDI review (ID #20150226487673) was conducted on February 26, 2015. According to the PNDI review, no further consultation is required for any of the four agencies involved. The USFWS further indicated, in a letter, dated September 9, 2013, that they do not wish to review individual projects unless the PNDI receipt indicates that further review is required by the USFWS or if the project cannot adhere to recommended conservation measures outlined in their letter. In this case, the USFWS determination of no known impacts to federally listed or proposed threatened or endangered species under their jurisdiction is anticipated. Copies of the PNDI search, USFWS letter, topographic map, Endangered Species List by County and photographs are attached.

The USFWS letter dated September 9, 2013 suggests where disturbance is necessary, clear natural or semi natural habitats and perform maintenance activities between September 1 and March 31.
USFWS recommendations published in Interim Guidelines for Recommendations on Communication Tower Siting, Construction, Operation, and Decommissioning (2000) state the preferred tower height to decrease potential effects on migratory birds is less than 200 feet tall. The siting and design process for this project could not conform to all the USFWS recommendations. Therefore, it has included mitigating factors such as consideration of collocation, tower siting with existing towers or in minimally sensitive areas, limiting tower height to 125 feet and eliminating the need for guy wires.

Based on the above information, there are no federally listed threatened or endangered species or critical habitat present at the Site that would be affected by the proposed project. Therefore, the project will have no effect on protected species and critical habitat.

Sincerely,

Jason Egal  
Natural Resource Specialist

Attachments:  PNDI Receipt  
USFWS Letter, dated September 9, 2013  
USFWS Threatened and Endangered Species List  
Topographic Map  
Photographs
1. PROJECT INFORMATION

Project Name: Almedia
Date of review: 2/26/2015 9:58:15 AM
Project Category: Communication, Cell or communication tower (include access roads in project area), new tower
Project Area: N/A
County: Columbia Township/Municipality: Scott
Quadrangle Name: BLOOMSBURG ~ ZIP Code: 17815
Decimal Degrees: 41.01725 N, -76.393416 W
Degrees Minutes Seconds: 41° 1' 2 N, W

2. SEARCH RESULTS

<table>
<thead>
<tr>
<th>Agency</th>
<th>Results</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA Game Commission</td>
<td>No Known Impact</td>
<td>No Further Review Required</td>
</tr>
<tr>
<td>PA Department of Conservation and Natural Resources</td>
<td>No Known Impact</td>
<td>No Further Review Required</td>
</tr>
<tr>
<td>PA Fish and Boat Commission</td>
<td>No Known Impact</td>
<td>No Further Review Required</td>
</tr>
<tr>
<td>U.S. Fish and Wildlife Service</td>
<td>No Known Impact</td>
<td>No Further Review Required</td>
</tr>
</tbody>
</table>

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate no known impacts to threatened and endangered species and/or special concern species and resources within the project area. Therefore, based on the information you provided, no further coordination is required with the jurisdictional agencies. This response does not reflect potential agency concerns regarding impacts to other ecological resources, such as wetlands.
3. AGENCY COMMENTS
Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are valid for two years (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies strongly advise against conducting surveys for the species listed on the receipt prior to consultation with the agencies.

PA Game Commission
RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources
RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission
RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

U.S. Fish and Wildlife Service
RESPONSE: No impacts to federally listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

4. DEP INFORMATION
The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. For cases where a "Potential Impact" to threatened and endangered species has been identified before the application has been submitted to DEP, the application should not be submitted until the impact has been resolved. For cases where "Potential Impact" to special concern species and resources has been identified before the application has been submitted, the application should be submitted to DEP along with the PNDI receipt. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. DEP and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at http://www.naturalheritage.state.pa.us.
5. ADDITIONAL INFORMATION
The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources
Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552, Harrisburg, PA, 17105-8552
Fax:(717) 772-0271

U.S. Fish and Wildlife Service
Pennsylvania Field Office
110 Radnor Rd, Suite 101, State College, PA 16801
NO Faxes Please.

PA Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane, Bellefonte, PA. 16823-7437
NO Faxes Please

PA Game Commission
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA. 17110-9797
Fax:(717) 787-6957

7. PROJECT CONTACT INFORMATION

Name: Jason Egel (Natural Resource Specialist)
Company/Business Name: 
Address: 
City, State, Zip: 
Phone: (717) 230-8622 Fax:
Email: jason.egel@pa.gov

8. CERTIFICATION
I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

applicant/project proponent signature 

date: 2/20/15
United States Department of the Interior

FISH AND WILDLIFE SERVICE
Pennsylvania Field Office
315 South Allen Street, Suite 322
State College, Pennsylvania 16801-4850

September 9, 2013

Jason Egal
PSI, Inc.
1707 South Cameron Street
Suite B
Harrisburg, PA 17104

Dear Mr. Egal:

This letter is to inform you that our office will no longer be able to respond to individual cell tower projects, due to an imposed hiring freeze, the inability to back fill vacant positions, and other workload constraints. Therefore, we offer the following general guidance pursuant to the Endangered Species Act of 1973 (87 Stat. 884, as amended; 16 U.S.C. 1531 et seg.), the Migratory Bird Treaty Act (16 U.S.C. 703-712; Ch. 128; July 13, 1918; 40 Stat. 755, as amended), the Bald and Golden Eagle Protection Act (54 Stat. 250, as amended; 16 U.S.C. 668-668d), and the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seg.) to assist you on future projects.

Federally Listed Species

If the project-specific Pennsylvania Natural Diversity Inventory (PNDI) receipt indicates that no known impacts to federally listed or proposed threatened or endangered species under our jurisdiction are anticipated, no further review is required with our agency pursuant to the Endangered Species Act. We ask that you only contact our office for further coordination if a PNDI receipt indicates that further review by our agency is required or you cannot adhere to recommended conservation measures to avoid impacts to listed species.

Assessment of Risks to Migratory Birds Including Eagles

The Service is the principal Federal agency charged with protecting and enhancing populations and habitat of migratory bird species. The Migratory Bird Treaty Act (MBTA) prohibits the taking, killing, possession, transportation, and importation of migratory birds, their eggs, parts, and nests, except when specifically authorized by the Department of the Interior. While the MBTA has no provision for authorizing incidental take, the Service recognizes that some birds may be killed even if all reasonable measures to avoid take are implemented.

In addition to protection under the MBTA, bald and golden eagles are protected under the Bald and Golden Eagle Protection Act, which prohibits killing; selling; or otherwise harming eagles,
their nests, or their eggs. The Eagle Act also includes provisions not found in the MBTA, including the protection of unoccupied nests and a definition of take that prohibits disturbing eagles. The Service recommends that applicants carefully evaluate their proposed project in light of the National Bald Eagle Management Guidelines to determine whether or not eagles might be disturbed as a direct or indirect result of the project. These guidelines as well as additional eagle information are available at http://www.fws.gov/northeast/ecologicalservices/eagle.html. Additionally, although the bald eagle is not listed as endangered or threatened at the federal level, the bald eagle is a Pennsylvania State-listed threatened species and therefore, it is protected under the Game and Wildlife Code. Therefore, the Service recommends that you contact the Pennsylvania Game Commission Headquarters Office at 717-787-4250 prior to commencement of work.

The potential exists for avian mortality from habitat destruction and alteration within the project boundaries associated with both the conversion of habitat to man-made structures and bird collisions with the new tower structures. If you haven’t already done so, please review the Service Interim Guidelines For Recommendations On Communications Tower Siting, Construction, Operation, and Decommissioning available at http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html for our suggestions to minimize impacts to migratory birds. In addition, please review the enclosed information for some additional recommendations compiled by our office for avoiding and minimizing impacts to migratory birds within and around tower sites.

If you follow these recommended conservation measures to the extent practicable, no further review is required with our agency under the MBTA.

Aquatic Resources

If streams and wetlands will be affected by the proposed project, you should be aware that work in these waters requires permits from the Pennsylvania Department of Environmental Protection and/or the Army Corps of Engineers. We suggest you contact the DEP and the Corps for information about permit requirements. Please be advised that the Service generally recommends that the Corps and DEP not grant permits to destroy streams or wetlands. For example, siting and construction of access roads and stormwater detention facilities should avoid impacts to streams and wetlands.

Please contact Jennifer Siani of this office at (814) 234-4090 if you have any questions or require further assistance.

Sincerely,

Lora L. Zimmerman
Field Office Supervisor

Enclosure
Adaptive Management Practices for Conserving Migratory Birds

The Fish and Wildlife Service is the principal Federal agency charged with protecting and enhancing populations and habitat of migratory bird species. The Migratory Bird Treaty Act (MBTA, 16 U.S.C. 703-712; Ch. 128; July 13, 1918; 40 Stat. 755, as amended) prohibits the taking, killing, possession, transportation, and importation of migratory birds, their eggs, parts, and nests, except when specifically authorized by the Department of the Interior. While the MBTA has no provision for authorizing incidental take, the Service recognizes that some birds may be killed even if all reasonable measures to avoid take are implemented. Unless the take is authorized, it is not possible to absolve individuals, companies or agencies from liability (even if they implement avian mortality avoidance or similar conservation measures). However, the Office of Law Enforcement focuses on those individuals, companies, or agencies that take migratory birds with disregard for their actions and the law.

In addition to protection under the MBTA, bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (Eagle Act, 54 Stat. 250, as amended; 16 U.S.C. 668-668d), which prohibits killing; selling; or otherwise harming eagles, their nests, or their eggs. The Eagle Act also includes provisions not found in the MBTA, including the protection of unoccupied nests and a definition of take that prohibits disturbing eagles. The Service recommends that applicants carefully evaluate their proposed project in light of the National Bald Eagle Management Guidelines to determine whether or not eagles might be disturbed as a direct or indirect result of the project. These guidelines as well as additional eagle information are available at http://www.fws.gov/northeast/ecologicalservices/eagle.html. Additionally, although the bald eagle is not listed as endangered or threatened at the federal level, the bald eagle is a Pennsylvania State-listed threatened species and therefore, it is protected under the Game and Wildlife Code. Therefore, the Service recommends that you contact the Pennsylvania Game Commission Headquarters Office at 717-787-4250 prior to commencement of work.

The siting and construction of new towers creates a potentially significant impact on migratory birds, especially some 350 species of night-migrating birds. The primary factors that affect the magnitude of the risk to birds posed by a particular tower are the height of the structure above the surrounding landscape; whether the structure is lighted, and if so, the type of lighting employed; the use of guy wires; the location of the tower; and the weather patterns in the area of the tower site. Communication towers are estimated to kill 4-5 million birds per year. Most massive bird kills occur as the birds become attracted to and confused by clouds that are illuminated by tall lighted structures. To minimize such losses, and to the extent not already addressed in your project design, we recommend the following measures be implemented to protect migratory birds from collisions with towers:

1. Any company/licensee proposing to site a new communications tower is strongly encouraged to co-locate the communications equipment on an existing communication tower or related structure (e.g., church steeple, billboard mount, monopole, or building mount). Depending on tower load factors, from 6-10 providers may co-locate on an existing tower.
2. If co-location is not feasible, providers are strongly encouraged to construct towers less than 200 feet above ground level, using construction techniques which do not require guy wires (e.g., use a monopole). Such towers should be unlighted. If at all possible, new towers should be located within existing “antenna farms,” preferably in areas not used by migratory birds or listed species. Avoid siting towers in or near (within 3-5 miles) of wetlands, other known bird concentration areas (e.g., Important Bird Areas, refuges), or in critical habitat of threatened or endangered species known to be affected by towers. Review local meteorological conditions, and avoid siting towers in areas with an especially high incidence of fog, mist, and low ceilings.

3. If taller (>200 feet above ground level) towers requiring lights for aviation safety must be constructed, the minimum amount of pilot warning and obstruction avoidance lighting required by the Federal Aviation Administration should be used. Wherever possible, non-flashing lights should not be used. (See Gehring J., P. Kerlinger, A.M. Manville II. 2009. Communication towers, lights, and birds: successful methods of reducing the frequency of avian collisions. *Ecological Applications*: Vol. 19, No. 2, pp. 505-514).

4. Towers which must use guy wires for support should have daytime visual markers on the wires to minimize collisions by these diurnally moving species, especially if constructed in known raptor or waterbird concentration areas. (See Avian Power Line Interaction Committee. 2006. Suggested practices for avian protection on power lines: the state of the art in 2006. Edison Electric Institute, APLIC, and the California Energy Commission. Washington, D.C. and Sacramento, CA.)

5. Towers should be constructed so as to limit or minimize habitat loss within the tower “footprint.” Road access and fencing should be minimized to reduce or prevent habitat fragmentation and disturbance, and to reduce above-ground obstacles to birds in flight. However, a larger tower footprint is preferable to the use of guy wires in construction.

6. Where disturbance is necessary, clear natural or semi-natural habitats (e.g., forests, woodlots, reverting fields, shrubby areas) and perform maintenance activities (e.g., mowing) between September 1 and March 31, which is outside the nesting season for most native bird species. Without undertaking specific analysis of breeding species and their respective nesting seasons on the project site, implementation of this seasonal restriction will avoid take of most breeding birds, their nests, and their young (i.e., eggs, hatchlings, fledglings).

7. New towers should be designed structurally and electrically to accommodate the applicant’s antennas and comparable antennas for at least two additional users (minimum of three users required for each tower structure), in order to reduce the number of towers needed in the future, unless this design would require the addition of lights or guy wires to an otherwise unlighted and/or unguyed tower.

8. Security lighting for on-ground facilities and equipment should be down-shielded to keep light within the boundaries of the site.

9. If a tower is constructed, and if requested, Service personnel should be allowed access to the site after construction is complete to conduct both large (e.g., crane, swan, and goose)
and small dead-bird searches, to place net catchments below the towers, and to place radar, Global Positioning System, infrared, thermal imagery, or acoustical monitoring equipment as necessary to assess and verify bird migrations and habitat use.

10. Towers no longer in use or determined to be obsolete should be removed within 12 months of cessation of use.

Additional information on this subject can be obtained by visiting the Service's migratory bird website at http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm.

If you have any questions regarding these measures, please contact Jennifer Siani of the Pennsylvania Field Office located in State College, PA at 814-234-4090 ext 225 or Jennifer_Siani@fws.gov
Consultation Code: 05E2PA00-2015-SLI-0376
Event Code: 05E2PA00-2015-E-01970
Project Name: Almedia

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.
A Biological Assessment is required for construction projects (or other undertakings having
similar physical impacts) that are major Federal actions significantly affecting the quality of the
human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)
(c)). For projects other than major construction activities, the Service suggests that a biological
evaluation similar to a Biological Assessment be prepared to determine whether the project may
affect listed or proposed species and/or designated or proposed critical habitat. Recommended
contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation,
that listed species and/or designated critical habitat may be affected by the proposed project, the
agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service
recommends that candidate species, proposed species and proposed critical habitat be addressed
within the consultation. More information on the regulations and procedures for section 7
consultation, including the role of permit or license applicants, can be found in the "Endangered
Species Consultation Handbook" at:

http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle
Protection Act (16 U.S.C. 668 et seq.), and projects affecting these species may require
development of an eagle conservation plan
(http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects
should follow the wind energy guidelines (http://www.fws.gov/windenergy/) for minimizing
impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications
towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at:
http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm;
http://www.towerkill.com; and

We appreciate your concern for threatened and endangered species. The Service encourages
Federal agencies to include conservation of threatened and endangered species into their project
planning to further the purposes of the Act. Please include the Consultation Tracking Number in
the header of this letter with any request for consultation or correspondence about your project
that you submit to our office.

Attachment
Official Species List

Provided by:
Pennsylvania Ecological Services Field Office
315 SOUTH ALLEN STREET, SUITE 322
STATE COLLEGE, PA 16801
(814) 234-4090
http://www.fws.gov/northeast/pafo/

Consultation Code: 05E2PA00-2015-SLI-0376
Event Code: 05E2PA00-2015-E-01970

Project Type: Communications Tower

Project Name: Almedia
Project Description: The project involves the construction of a 125-foot monopole, within a 5400 square-foot lease area.

Please Note: The FWS office may have modified the Project Name and/or Project Description, so it may be different from what was submitted in your previous request. If the Consultation Code matches, the FWS considers this to be the same project. Contact the office in the 'Provided by' section of your previous Official Species list if you have any questions or concerns.
Project Location Map:

Project Coordinates: MULTIPOLYGON (((-76.392606 41.0172874, -76.392701 41.0173231, -76.3929242 41.0173383, -76.3932444 41.0172454, -76.3932535 41.0172449, -76.3932618 41.0172485, -76.3932677 41.0172554, -76.3932885 41.0172953, -76.3935791 41.0172144, -76.3935126 41.0170814, -76.3932211 41.0171631, -76.3932468 41.017215, -76.3932489 41.0172318, -76.3932473 41.0172388, -76.3932347 41.017243, -76.3929966 41.0173152, -76.3929911 41.0173161, -76.3927299 41.0173199, -76.3927326 41.0173189, -76.3926327 41.0172892, -76.392626 41.0172855, -76.3926212 41.0172796, -76.3925955 41.0172311, -76.3925933 41.0172236, -76.3925941 41.0172158, -76.3925978 41.017209, -76.3926038 41.017204, -76.3926113 41.0172018, -76.3926191 41.0172026, -76.3926259 41.0172063, -76.3926309 41.0172123, -76.3926528 41.0172537, -76.3927326 41.0172799, -76.3929877 41.0172761, -76.3932005 41.0172116, -76.3931746 41.0171593, -76.3931725 41.0171508, -76.3931742 41.0171423, -76.3931794 41.0171353, -76.3931871 41.0171311, -76.3935177 41.0170384, -76.3935245 41.0170378, -76.3935312 41.0170394, -76.3935369 41.0170432, -76.393541 41.0170488, -76.3936257 41.0172183, -76.3936278

http://ecos.fws.gov/ipac, 03/09/2015 06:50 AM
Project Counties: Columbia, PA
Endangered Species Act Species List

There are a total of 3 threatened or endangered species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Critical habitats listed under the Has Critical Habitat column may or may not lie within your project area. See the Critical habitats within your project area section further below for critical habitat that lies within your project. Please contact the designated FWS office if you have questions.

<table>
<thead>
<tr>
<th>Flowering Plants</th>
<th>Status</th>
<th>Has Critical Habitat</th>
<th>Condition(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northeastern bulrush (<em>Scirpus ancistrochaetus</em>)</td>
<td>Endangered</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Mammals</th>
<th>Status</th>
<th>Has Critical Habitat</th>
<th>Condition(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indiana bat (<em>Myotis sodalis</em>)</td>
<td>Endangered</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| northern long-eared Bat (*Myotis septentrionalis*) | Proposed | Endangered |              |
Critical habitats that lie within your project area

There are no critical habitats within your project area.
1) View from the southeast corner of the subject property looking west along the southern property boundary.

2) View from the southeast corner of the subject property looking south.

3) View from the southeast corner of the subject property looking east.

4) View from the southeast corner of the subject property looking north along the eastern property boundary.
5) View from the northeast corner of the subject property looking south along the eastern property boundary.

6) View from the northeast corner of the subject property looking east.

7) View from the northeast corner of the subject property looking north.

8) View from the northeast corner of the subject property looking west along the northern property boundary.
9) View from the northwest corner of the subject property looking south along the western property boundary.

10) View from the northwest corner of the subject property looking east along the northern property boundary.

11) View from the northwest corner of the subject property looking north.

12) View from the northwest corner of the subject property looking west.
13) View from the southwest corner of the subject property looking south.

14) View from the southwest corner of the subject property looking east along the southern property boundary.

15) View from the southwest corner of the subject property looking north along the western property boundary.

16) View from the southwest corner of the subject property looking west.
## General Information

1. (Select only one)  
   - NE – New  
   - UA – Update of Application  
   - WD – Withdrawal of Application  

2. If this application is for an Update or Withdrawal, enter the file number of the pending application currently on file.  

### Applicant Information

3. FCC Registration Number (FRN): 0012845343

4. Name: Verizon Wireless

### Contact Information

5. First Name: Robin  
6. MI:  
7. Last Name: Haeffner  
8. Suffix:

9. Title: VZW-HQ - NEPA Regulatory Compliance

10. P.O. Box:  
11. Street Address: 6 Campus Circle Suite 500

12. City: Westlake  
13. State: TX  
14. Zip Code: 76272

15. Telephone Number: (501)529-5377  
16. Fax Number:

17. E-mail Address: npa@verizonwireless.com

### Consultant Information

18. FCC Registration Number (FRN): 0014687552

19. Name: Professional Service Industries, Inc. (PSI)

### Principal Investigator

20. First Name: Elizabeth  
21. MI: L  
22. Last Name: Roman  
23. Suffix:

24. Title: Senior Specialist

### Principal Investigator Contact Information

25. P.O. Box:  
26. Street Address: 1707 South Cameron Street

27. City: Harrisburg  
28. State: PA  
29. Zip Code: 17104

30. Telephone Number: (717)230-8622  
31. Fax Number:

32. E-mail Address: becky.roman@psiusa.com
### Professional Qualification

33) Does the Principal Investigator satisfy the Secretary of the Interior's Professional Qualification Standards?  
   ( ) Yes ( ) No

34) Areas of Professional Qualification:
   - ( ) Archaeologist
   - ( ) Architectural Historian
   - ( ) Historian
   - ( ) Architect
   - ( ) Other (Specify): ________________________________

### Additional Staff

35) Are there other staff involved who meet the Professional Qualification Standards of the Secretary of the Interior?  
   ( ) Yes ( ) No

If "YES," complete the following:

<table>
<thead>
<tr>
<th>36) First Name: Thomas</th>
<th>37) MI: R</th>
<th>38) Last Name: Baker</th>
<th>39) Suffix: PhD</th>
</tr>
</thead>
<tbody>
<tr>
<td>40) Title: Consulting Archaeologist</td>
<td></td>
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</table>

| 41) Areas of Professional Qualification: |
|------------------|------------------|------------------|------------------|
| ( ) Archaeologist |
| ( ) Architectural Historian |
| ( ) Historian |
| ( ) Architect |
| ( ) Other (Specify): ________________________________ |

<table>
<thead>
<tr>
<th>36) First Name: Lawrence</th>
<th>37) MI:</th>
<th>38) Last Name: Proczko</th>
<th>39) Suffix:</th>
</tr>
</thead>
<tbody>
<tr>
<td>40) Title: Project Manager</td>
<td></td>
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</table>

| 41) Areas of Professional Qualification: |
|------------------|------------------|------------------|------------------|
| ( ) Archaeologist |
| ( ) Architectural Historian |
| ( ) Historian |
| ( ) Architect |
| ( ) Other (Specify): ________________________________ | Environmental Professional |
## Site Information

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<table>
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<tr>
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<tbody>
<tr>
<td><strong>1)</strong> TCNS Notification Number:</td>
<td>123820</td>
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### Site Information

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<tr>
<td><strong>2)</strong> Positive Train Control Filing Subject to Expedited Treatment Under Program Comment:</td>
<td>( ) Yes ( ) No</td>
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<tbody>
<tr>
<td><strong>3)</strong> Site Name:</td>
<td>Almedia</td>
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<tr>
<td><strong>4)</strong> Site Address:</td>
<td>3191 Columbia Boulevard</td>
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5) Detailed Description of Project:

**The project involves the construction of a 125-foot monopole, within a 5,400 square-foot lease area.**

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<tbody>
<tr>
<td><strong>6)</strong> City:</td>
<td>Bloomsburg</td>
<td><strong>7)</strong> State: PA</td>
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<tr>
<td><strong>9)</strong> County/Borough/Parish:</td>
<td>COLUMBIA</td>
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<tr>
<td><strong>10)</strong> Nearest Crossroads:</td>
<td>US Route 11 (Columbia Blvd) and Ridge St</td>
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<tr>
<td><strong>11)</strong> NAD 83 Latitude (DD-MM-SS.S):</td>
<td>41-01-02.1</td>
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<tr>
<td><strong>12)</strong> NAD 83 Longitude (DD-MM-SS.S):</td>
<td>076-23-36.3</td>
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## Tower Information

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<tbody>
<tr>
<td><strong>13)</strong> Tower height above ground level (include top-mounted attachments such as lightning rods):</td>
<td>38.1 ( ) Feet ( ) Meters</td>
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<tbody>
<tr>
<td><strong>14)</strong> Tower Type (Select One):</td>
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<tr>
<td></td>
<td>( ) Guyed lattice tower</td>
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<td></td>
<td>( ) Self-supporting lattice</td>
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<td>( ) Monopole</td>
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<td>( ) Other (Describe):</td>
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### Project Status

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<tr>
<td><strong>15)</strong> Current Project Status (Select One):</td>
<td></td>
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<tr>
<td></td>
<td>( ) Construction has not yet commenced</td>
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<tr>
<td></td>
<td>( ) Construction has commenced, but is not completed Construction commenced on: _______________</td>
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<tr>
<td></td>
<td>( ) Construction has been completed Construction commenced on: _______________</td>
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<td>Construction completed on: _______________</td>
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### Determination of Effect

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<tr>
<th>14) Direct Effects (Select One):</th>
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<tbody>
<tr>
<td>(X) No Historic Properties in Area of Potential Effects (APE)</td>
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<td>(   ) No Effect on Historic Properties in APE</td>
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<td>(   ) No Adverse Effect on Historic Properties in APE</td>
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<td>(   ) Adverse Effect on one or more Historic Properties in APE</td>
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<th>15) Visual Effects (Select One):</th>
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<tr>
<td>(X) No Historic Properties in Area of Potential Effects (APE)</td>
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<tr>
<td>(   ) No Effect on Historic Properties in APE</td>
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<td>(   ) No Adverse Effect on Historic Properties in APE</td>
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<td>(   ) Adverse Effect on one or more Historic Properties in APE</td>
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### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?  

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
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2a) Tribes/NHOs contacted through TCNS Notification Number: 123820 Number of Tribes/NHOs: 12

2b) Tribes/NHOs contacted through an alternate system: Number of Tribes/NHOs: 0

### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN: 

4) Tribe/NHO Name: **Absentee-Shawnee Tribe of Indians of Oklahoma**

### Contact Name

5) First Name: **Joseph**  
6) MI: **H**  
7) Last Name: **Blanchard**  
8) Suffix: 

9) Title: **THPO**

### Dates & Response

10) Date Contacted: **03/05/2015**  
11) Date Replied: 

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<tbody>
<tr>
<td></td>
<td>No Reply</td>
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<td></td>
<td>Replied/No Interest</td>
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<td></td>
<td>Replied/Have Interest</td>
<td></td>
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<tr>
<td></td>
<td>Replied/Other</td>
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</tbody>
</table>

### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN: 

4) Tribe/NHO Name: **Cayuga Nation**

### Contact Name

5) First Name: **Clint**  
6) MI: **C**  
7) Last Name: **Halftown**  
8) Suffix: 

9) Title: **Cayuga Nation Representative**

### Dates & Response

10) Date Contacted: **03/05/2015**  
11) Date Replied: 

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1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?  

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
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<tr>
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<td><img src="N" alt="No Mark" /></td>
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2a) Tribes/NHOs contacted through TCNS Notification Number: 123820  
Number of Tribes/NHOs: 12

2b) Tribes/NHOs contacted through an alternate system:  
Number of Tribes/NHOs: 0

### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN: ___________________

4) Tribe/NHO Name: Chippewa Cree Tribe of the Rocky Boy's Reservation

<table>
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<th>Contact Name</th>
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<tr>
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### Dates & Response

10) Date Contacted: 03/05/2015  
11) Date Replied: 03/04/2015

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### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN: ___________________

4) Tribe/NHO Name: Delaware Nation

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10) Date Contacted: 03/05/2015  
11) Date Replied: _______________

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2a) Tribes/NHOs contacted through TCNS Notification Number: 123820  Number of Tribes/NHOs: 12

2b) Tribes/NHOs contacted through an alternate system:  Number of Tribes/NHOs: 0

### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:

4) Tribe/NHO Name: **Delaware Tribe of Indians of Oklahoma**

#### Contact Name

5) First Name: **Dr. Brice**  
6) MI: M  
7) Last Name: **Obermeyer**  
8) Suffix:

9) Title:

#### Dates & Response

10) Date Contacted: 03/04/2015  
11) Date Replied: 03/12/2015

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### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:

4) Tribe/NHO Name: **Eastern Shawnee Tribe of Oklahoma**

#### Contact Name

5) First Name: **Robin**  
6) MI:  
7) Last Name: **Dushane**  
8) Suffix:

9) Title: **THPO**

#### Dates & Response

10) Date Contacted: 03/05/2015  
11) Date Replied: 03/10/2015

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2a) Tribes/NHOs contacted through TCNS Notification Number: 123820  
Number of Tribes/NHOs: 12

2b) Tribes/NHOs contacted through an alternate system:  
Number of Tribes/NHOs: 0

### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:

4) Tribe/NHO Name: Keweenaw Bay Indian Community

### Contact Name

5) First Name: Minogheezhig  
6) MI:  
7) Last Name: Sandman-Shelifoe  
8) Suffix:

9) Title: THPO/NAGPRA Technician

### Dates & Response

10) Date Contacted 03/04/2015 11) Date Replied 03/04/2015

( ) No Reply  
( ) Replied/No Interest  
( ) Replied/Have Interest  
( X ) Replied/Other

### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:

4) Tribe/NHO Name: Onondaga Indian Nation

### Contact Name

5) First Name: Anthony  
6) MI:  
7) Last Name: Gonyea  
8) Suffix:

9) Title: Faithkeeper

### Dates & Response

10) Date Contacted 03/05/2015 11) Date Replied ______________  

( X ) No Reply  
( ) Replied/No Interest  
( ) Replied/Have Interest  
( ) Replied/Other
### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?  
   - Yes ( )
   - No ( )

2a) Tribes/NHOs contacted through TCNS Notification Number: 123820  
   Number of Tribes/NHOs: 12

2b) Tribes/NHOs contacted through an alternate system:  
   Number of Tribes/NHOs: 0

---

### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN: 

4) Tribe/NHO Name: **Seneca-Cayuga Tribe of Oklahoma**

#### Contact Name

5) First Name: **Paul**

6) MI: 

7) Last Name: **Barton**

8) Suffix: 

9) Title: **THPO/NAGPRA Rep.**

#### Dates & Response

10) Date Contacted: **03/05/2015**

11) Date Replied: 

   - ( X ) No Reply
   - ( ) Replied/No Interest
   - ( ) Replied/Have Interest
   - ( ) Replied/Other

---

### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN: 

4) Tribe/NHO Name: **Shawnee Tribe**

#### Contact Name

5) First Name: **Kim**

6) MI: 

7) Last Name: **Jumper**

8) Suffix: 

9) Title: **THPO**

#### Dates & Response

10) Date Contacted: **03/05/2015**

11) Date Replied: **03/19/2015**

   - ( ) No Reply
   - ( ) Replied/No Interest
   - ( ) Replied/Have Interest
   - ( ) Replied/Other
### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?  

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2a) Tribes/NHOs contacted through TCNS Notification Number: 123820  
Number of Tribes/NHOs: 12

2b) Tribes/NHOs contacted through an alternate system:  
Number of Tribes/NHOs: 0

---

#### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:

4) Tribe/NHO Name: **Tuscarora Nation**

---

#### Contact Name

5) First Name: **Leo**  
6) MI: **R**  
7) Last Name: **Henry**  
8) Suffix:  
9) Title: **Chief**

---

#### Dates & Response

10) Date Contacted: **03/05/2015**  
11) Date Replied:  

( X ) No Reply  
( ) Replied/No Interest  
( ) Replied/Have Interest  
( ) Replied/Other

---

#### Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:

4) Tribe/NHO Name: **Wyandotte Nation**

---

#### Contact Name

5) First Name: **Sherri**  
6) MI:  
7) Last Name: **Clemons**  
8) Suffix:  
9) Title: **THPO**

---

#### Dates & Response

10) Date Contacted: **03/04/2015**  
11) Date Replied:  

( X ) No Reply  
( ) Replied/No Interest  
( ) Replied/Have Interest  
( ) Replied/Other
### Other Tribes/NHOs Contacted

#### Tribe/NHO Information
1) FCC Registration Number (FRN):

2) Name:

#### Contact Name
3) First Name: 4) MI: 5) Last Name: 6) Suffix: 7) Title:

#### Contact Information
8) P.O. Box: 9) Street Address: 10) City: 11) State: 12) Zip Code: 13) Telephone Number: 14) Fax Number: 15) E-mail Address:

16) Preferred means of communication:
   - ( ) E-mail
   - ( ) Letter
   - ( ) Both

#### Dates & Response
17) Date Contacted _______________ 18) Date Replied _______________
   - ( ) No Reply
   - ( ) Replied/No Interest
   - ( ) Replied/Have Interest
   - ( ) Replied/Other
### Historic Properties

#### Properties Identified

1) Have any historic properties been identified within the APEs for direct and visual effect?  
   - Yes (X) No

2) Has the identification process located archaeological materials that would be directly affected, or sites that are of cultural or religious significance to Tribes/NHOs?  
   - Yes (X) No

3) Are there more than 10 historic properties within the APEs for direct and visual effect?  
   - Yes (X) No

   If “Yes”, you are required to attach a Cultural Resources Report in lieu of adding the Historic Property below.

#### Historic Property

4) Property Name:

5) SHPO Site Number:

#### Property Address

6) Street Address:

7) City:  
8) State:  
9) Zip Code:

10) County/Borough/Parish:

#### Status & Eligibility

11) Is this property listed on the National Register?  
   - Yes ( ) No

   Source: ____________________________________________

12) Is this property eligible for listing on the National Register?  
   - Yes ( ) No

   Source: ____________________________________________

13) Is this property a National Historic Landmark?  
   - Yes ( ) No

14) Direct Effects (Select One):
   - ( ) No Effect on this Historic Property in APE
   - ( ) No Adverse Effect on this Historic Property in APE
   - ( ) Adverse Effect on this Historic Property in APE

15) Visual Effects (Select One):
   - ( ) No Effect on this Historic Property in APE
   - ( ) No Adverse Effect on this Historic Property in APE
   - ( ) Adverse Effect on this Historic Property in APE
Local Government Involvement

Local Government Agency

1) FCC Registration Number (FRN):

2) Name: **Scott Township Planning Commission**

Contact Name

3) First Name: **Kathleen**  4) MI:  5) Last Name: **Lynn**  6) Suffix:

7) Title: **Chairperson**

Contact Information

8) P.O. Box:  And /Or  9) Street Address: **350 Tenny Street**

10) City: **Bloomsburg**  11) State: **PA**  12) Zip Code: **17815**

13) Telephone Number: **(570)784-9114**  14) Fax Number:

15) E-mail Address:

16) Preferred means of communication:

( ) E-mail

( X ) Letter

( ) Both

Dates & Response

17) Date Contacted **03/03/2015**  18) Date Replied ________________

( X ) No Reply

( ) Replied/No Interest

( ) Replied/Have Interest

( ) Replied/Other

Additional Information

19) Information on local government’s role or interest (optional):
Other Consulting Parties

### Other Consulting Parties Contacted

1. Has any other agency been contacted and invited to become a consulting party?  
   - Yes (X)  
   - No ( )

### Consulting Party

2. FCC Registration Number (FRN):

3. Name: **Columbia County Historical & Genealogical Society**

### Contact Name

4. First Name: **Bonnie**  
5. MI:  
6. Last Name: **Farver**  
7. Suffix:  
8. Title: **Executive Director**

### Contact Information

9. P.O. Box: **PO Box 360**  
   - And /Or  
10. Street Address:  
11. City: **Bloomsburg**  
12. State: **PA**  
13. Zip Code: **17815**  
14. Telephone Number: **(570)784-1600**  
15. Fax Number:  
16. E-mail Address: **research@colcohist-gensoc.org**

17. Preferred means of communication:  
   - ( ) E-mail  
   - (X) Letter  
   - ( ) Both

### Dates & Response

18. Date Contacted: **03/03/2015**  
19. Date Replied: **03/16/2015**  
   - ( ) No Reply  
   - ( ) Replied/No Interest  
   - ( ) Replied/Have Interest  
   - (X) Replied/Other

**They see no historical impact from the proposed tower. Response attached.**

### Additional Information

20. Information on other consulting parties' role or interest (optional):
Designation of SHPO/THPO

1) Designate the Lead State Historic Preservation Officer (SHPO) or Tribal Historic Preservation Officer (THPO) based on the location of the tower.

**SHPO/THPO**

| Name: | Pennsylvania Historical & Museum Commission Bureau for Historic Preservation |

2) You may also designate up to three additional SHPOs/THPOs if the APEs include multiple states. If the APEs include other countries, enter the name of the National Historic Preservation Agency and any state and provincial Historic Preservation Agency.

<table>
<thead>
<tr>
<th>SHPO/THPO Name:</th>
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<tr>
<td>SHPO/THPO Name:</td>
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**Certification**

I certify that all representations on this FCC Form 620 Submission Packet and the accompanying attachments are true, correct, and complete.

**Party Authorized to Sign**

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<th>First Name:</th>
<th>MI:</th>
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</table>

Signature: _______________________________ Date: ____________

FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID.

WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, Section 1001) AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).
### Attachments:

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<th>Description</th>
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<td>Project Narrative</td>
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<tr>
<td>Public Involvement</td>
<td>Proof of Public Notice</td>
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</table>
Elizabeth L. Roman M.A.
Senior Specialist, Harrisburg, Pennsylvania

Education
Master of Arts in American Studies, Penn State University, 2006
Certificate in Historic Preservation, Harrisburg Area Community College, 1997
Bachelor of Arts in Anthropology, Beloit College, 1985

Certifications/Registrations/Technical Training
36 CFR Part 61 Qualified Architectural Historian, Historian and Archaeologist
PennDOT delegated Cultural Resources Professional (CRP) in Architectural History (MPPA)
Federal Public Trust Security Clearance (through November 2020)
FEMA’s Coordinating Environmental and Historic Preservation Compliance Course, 2012
PennDOT Cultural Resources Consultant Training, 2011
PHMC’s Cultural Resources Essential Series, 2010
Advisory Council for Historic Preservation’s Advanced Section 106 Course, 2009
University of Connecticut Field School in Architectural Investigation (non-credit), 1998

Professional Experience
Ms. Roman contributes field and technical expertise as an Architectural Historian in a wide variety of cultural resource management projects. Ms. Roman has over 20 years’ experience managing and performing historic resource surveys, Section 106 consultation, archaeological investigations, NEPA and Section 4(f) evaluations, and public/tribal involvement, for telecommunication, transportation, energy, public infrastructure, and private development projects. Her experience includes preparation of National Register nominations, agreement documents (MOAs/PAs), planning and zoning ordinances, historic tax credit applications, cultural resources management technical reports and hundreds of historic resource survey forms.

Representative Section 106 Consultation and Agency Coordination Project Experience
- **Verizon Wireless, Pennsylvania** - Senior Specialist/Architectural Historian preparing FCC 620/621 Forms for new towers and collocations across the state. Services include: evaluations of eligibility and effect to historic properties; fieldwork, records review and report preparation; and consultation with the PA Bureau for Historic Preservation, local governments and preservation organizations.
- **Multiple Clients** - Architectural Historian completing Section 106 consultation following FCC guidelines for tower builders (confidential), AT&T, Verizon and Sprint, for projects involving new towers, collocations, and existing facility reviews in Pennsylvania, New Jersey, Maryland, West Virginia, New York, Tennessee, Mississippi, Louisiana, Alabama, Florida, Illinois, Oklahoma, California and Florida.
- **Federal Emergency Management Agency (FEMA)** - Historic Preservation Specialist completing SHPO consultation, NEPA reviews, effects assessments, historic resources documentation, tribal consultation, and archaeological monitoring, for public assistance grants and debris removal in communities impacted during Tropical Storms Irene and Lee in Pennsylvania, and Hurricane Isaac in Louisiana. Negotiated the reconstruction of six damaged covered bridges in Pennsylvania.
- **Maryland State Highway Administration (SHA)** - Assistant Cultural Resources Manager for the Intercounty Connector (ICC, MD 200) in the Washington, D.C. area. Reviewed and coordinated mainline design changes and environmental mitigation projects with the design team, SHA, SHPO, and permitting agencies. Prepared project correspondence and deliverables, coordinated MOA commitments, scoped cultural resources work, completed historic resources survey and effects assessments, and prepared Section 4(f) and NEPA evaluations.
- **Long Island Rail Road** - Completed documentation for NY SHPO, Tribal, and FCC review of multiple tower sites under the 2004 FCC Nationwide Programmatic Agreement. Included determining the projects’ effects on historic and archaeological properties and coordinating with Native American tribes and consulting parties.
- **Shentel Communications** – Completed Section 106 documentation for SHPO and FCC review of new tower projects in York, Fulton and Perry Counties, Pennsylvania.
- **Crispus Attucks Community Development Corporation** – Monitored organization’s ongoing compliance with an MOA for the redevelopment of multiple city blocks in York City, Pennsylvania, including plan review and archaeological monitoring during construction.
Resume

Elizabeth L. Roman M.A.

Representative Architectural History/Historic Preservation Project Experience

- **Verizon Wireless, Pennsylvania** – Architectural Historian responsible for Section 106 consultation for two proposed new towers along the Appalachian Trail Historic District in Dauphin County. Directed consultation with the FCC, National Park Service, Appalachian Trail Conservancy, AT volunteer organizations, and the Pennsylvania Bureau for Historic Preservation to reduce the impact of the new towers to the viewshed.

- **Multiple Clients (Confidential)** – Historic resources survey for telecommunication projects. Historic Property Forms completed for numerous agricultural properties, commercial/industrial buildings, water towers and electric transmission lines in Pennsylvania, California, and Alabama. Services included field work, records and archive research, historic context development, National Register evaluation, and report/form preparation.

- **Lancaster County Engineers Office** – Historic resources survey, effects assessments, and Section 106 consultation for six bridge replacement projects. Negotiated the replacement of an historic concrete through-arch bridge with a new structure of a similar but wider design.

- **PennDOT District 8-0** – Architectural Historian for multiple bridge improvement projects in south-central Pennsylvania, preparing historic resource survey forms, technical reports and agency correspondence. Coordinated SHPO and agency review of the relocation of Keller’s Covered Bridge in Lancaster County, including preparation of State-level recordation of two bridges, National Register documentation for the new site, and provided ongoing review of the bridge rehabilitation plans. Prepared historic context for the Whipple Double Intersection Truss design.

- **Multiple Clients (Confidential)** – Section 106 consultation and historic resources survey for multiple dam removal, private development, and historic rehabilitation projects in southeastern Pennsylvania. Included preparation of three MOAs, two state-level recordations of agricultural properties in Lancaster and Lehigh Counties, and three National Register nominations for factory complexes in York and Lancaster Counties.

- **City of York, Pennsylvania** - Consultant providing rehabilitation reviews for the Planning and Zoning Office's grant funded projects and to the Historic and Architectural Review Board to assist their review of permit application in the Historic District. Completed city-wide historic resources survey and the National Register nomination for the enlargement of the York City Historic District.

- **Maryland State Highway Administration** – Historic resources survey for transportation improvement projects in Charles, Garrett, Montgomery and Prince George’s Counties.

Representative Archaeology Project Experience

- **Maryland State Highway Administration** – Principal Investigator for Cultural Resources Assessment of the MD 301 Corridor, Archaeologist on Phase I surveys of reforestation and wetland mitigation sites for the ICC-MD 200 Project, Field Director for Phase I survey for I-95 Improvements Project, Montgomery and Prince George’s Counties, and Crew Chief on the Phase III excavation of the Clifton Site. Included fieldwork, field crew supervision, research, preparation of technical reports, and coordinating review with SHA and SHPO.

- **Clients Confidential, Pennsylvania** – Principal Investigator for a Phase I survey for a proposed commercial development in Lancaster County and six disturbance studies for dam removals, stream restoration, and park development projects in Chester, Lancaster, Franklin and York Counties.

- **KCI Technologies, Inc.** – Staff Archaeology Lab Director responsible for oversight of artifact identification, curation and analysis for survey and excavation projects in the Mid-Atlantic region. Supervised and trained lab staff. Coordinated permanent storage of collections with State Museums and repositories.

- **West Virginia Division of Highways** – Archaeologist on the Mon-Fayette Project in Logan County responsible for fieldwork, artifact analysis, and figure, site form and report preparation.

- **Frederick County Board of Education** – Field Director for the Urbana School Phase I Survey Project responsible for field crew supervision, research and report preparation.

- **PennDOT District 6-0** – Field Director for Phase I Survey on two bridge replacement projects in Chester County responsible for field staff supervision, research, and report preparation.

- **Client Confidential, Maryland** - Field Director for a reservoir water-level raising project in Carroll County

- **Illinois Department of Transportation** – Staff archaeologist responsible for excavation and artifact analysis at the historic Hutsonville site.

Years Experience with other firms: 20
Year started with PSI: 2014
Revised: 04/2014
THOMAS R. BAKER

Cultural Resource Specialist

EDUCATION:

Ph.D./1987/Anthropology/University of Pittsburgh
M.A./1977/Anthropology/Eastern New Mexico University
B.A./1973/American Studies/Point Park College

The American Studies degree coursework emphasized European and North American Architecture, American Culture, American History, American Art, and Urban Planning. Dr. Baker has attended various symposia and conferences regarding historic resources/architectural issues, and has participated in numerous workshops on Section 106 archaeology and historic resources (architecture of standing structures).

PROFESSIONAL EXPERIENCE:

Dr. Baker has more than 35 years of supervisory experience in all aspects of cultural resource management in the eastern United States. His qualifications exceed the minimum professional qualifications as Field Director and Principal Investigator (36 CFR 61). He has worked in Pennsylvania, Georgia, Maine, Michigan, Mississippi, New Hampshire, New Jersey, New Mexico, New York, North Dakota, Ohio, Virginia, Texas, Utah, West Virginia, Colorado, and Wyoming. Dr. Baker has authored, co-authored, or contributed to over 300 papers, publications, technical reports and symposia.

1996-Present Owner of Cultural Resources Firm, Thomas R. Baker, Ph.D., Archaeological Consultant, Latrobe, Pennsylvania. Oversee the day-to-day operation of the business, including business development; function as Principal Investigator conducting Phase I/II/III archaeological investigations and historic resource (architectural) assessments, including, proposal preparation, project management, fieldwork, lab analysis, and report writing.

1997-2008 Senior Professional I/Cultural Resource Specialist, Skelly and Loy, Inc., Pittsburgh, Pennsylvania. As Project Manager, Principal Investigator, and/or Field Director, manage archaeological investigation projects, direct fieldwork, and write reports.

1994-1995 Adjunct Professor, Saint Vincent University, Latrobe, Pennsylvania. Taught an introductory course in archaeology.


1989-1991 Adjunct Assistant Professor, Sociology-Anthropology Department, and Associate Director of Archaeological Services, Indiana University of Pennsylvania, Indiana, Pennsylvania. Duties included teaching a course on the origins of agriculture and management of all laboratory activities, fieldwork, artifact analysis, and writing reports.

1987-1989 Adjunct Assistant Research Professor of Archaeology and Assistant Director, Archaeology Research Center, University of Maine at Farmington, Farmington, Maine. Duties included managing all aspects of the research center, directing fieldwork, and writing reports and proposals.
1985-1987 Senior Field Archaeologist II and Principal Investigator, GAI Consultants, Inc., Monroeville, Pennsylvania. Duties included directing fieldwork, laboratory analyses, writing reports, and project management.

1973-1985 Various field and lab positions held with numerous cultural resource management firms and institutions across the United States. Served as Principal Investigator, Field Director, or Field/Lab Technician for survey, testing, and data recovery excavation investigations.

Dr. Baker specializes in Primitive Technology, particularly flaked stone technology; Northeast, Southern Plains, and Southwest cultural areas of North America; the Archaic Period in North American prehistory, with extensive experience in both rural and urban settings which date from the eighteenth to twentieth centuries; Cultural Resource Management; and aerial photo interpretation. He has been involved in all aspects of historic and prehistoric archaeology from Phase I surveys to Data Recovery projects on small farmsteads, early military sites, major urban projects involving complicated logistics and site interpretations, and floodplain and residual settings. He has completed numerous historic structure/architecture surveys and assessments for various clients in all business sectors. Clients include departments of transportation, local municipalities, private developers, and the federal government, among others.

Among the projects on which he has served as project manager, lead archaeologist, analyst, or report writer are the Phase I/II survey and testing of the Westmoreland County Airport, the Phase I/II and III cultural resource investigations in the I279/579 North Shore Expressway construction project; the search for the Forbes Military Road at Fort Ligonier, in which excavations were conducted in two field seasons to uncover evidence of the Forbes Military Road as it entered the fort while it was occupied from 1758-1766. Projects for which he has been responsible for historic resource/architectural surveys and assessments include a 100-mile transmission line architectural survey in Maine for a major power company; the NRHP eligibility assessment of the Johnstown Local Flood Protection Project for the U.S. Army Corps of Engineers Pittsburgh District; the Homestead-High Level Bridge in Pittsburgh for the Pennsylvania Department of Transportation; the architectural recordation of seven ranch complexes to Historic American Building Survey (HABS) standards in Colorado for the U.S. Army at Ft. Carson; the state level architectural recordation of a farm complex in York County, Pennsylvania for a private developer; historic structure/architectural assessments for several mine company clients; and numerous cell tower site historic resource/architectural assessments in Pennsylvania for various wireless company clients.

Specific project examples are listed below:

**U.S. Army Corps of Engineers** - Served as Principal Investigator for the Phase I cultural resource reconnaissance of the Johnstown Local Flood Protection Project, City of Johnstown, Pennsylvania for the Pittsburgh District. This work involved extensive background research and a field reconnaissance to assess any impacts to the flood protection project from rehabilitation work proposed throughout the 8.8+ mile project area. Assessed the Flood Protection Project as NRHP-eligible and prepared a NR nomination form. Also served as Principal Investigator for the revision of the Wellsburg Riverbank Construction Monitoring report for the Pittsburg District. Served in numerous capacities on other, past projects for the Pittsburgh District, the Baltimore District, the Jacksonville District, and the Memphis District.

**Department of Defense** - Served as Principal Investigator for the Phase I cultural resource survey of the Air Naval Facility Detroit, Selfridge Air National Guard Base, Macomb County, Michigan. This work involved extensive background research and a field reconnaissance to assess cultural resources for this base closing project. Also served as Principal Investigator for Historic Preservation Plans prepared for military bases and installations throughout the South. For Warner Robins Air Force Base, Georgia, several historic resource/architectural and archaeological studies were conducted following the Base Management Plan. Recently completed fieldwork for the HABS recordations of seven ranch properties.
at the Pinon Canyon Maneuver Site at Ft. Carson, Colorado.

**Pennsylvania Department of Transportation** - Served as Principal Investigator for the Phase III Data Recovery of the Tunkhannock Tannery Site (36WO66), Wyoming County, Pennsylvania. This work involved additional background research and the excavation of two large blocks at strategic locations within the deeply buried tannery site to assess any intact tannery facilities. These investigations uncovered intact remains of the tannery, including vats, structure walls, underground piping systems, etc., which yielded important information about the tanning industry over a span of 60+ years. Changes in tanning technology from manual labor to mechanization and from natural to chemical tanning agents could be discerned from these investigations.

**Pennsylvania Department of Transportation** - Project Manager for various studies associated with the I279/I579 Northshore Expressway project in Pittsburgh, including Phase I archaeological surveys, historic structures/architectural inventories, and Data Recoveries of the Voegtley Cemetery and the Pennsylvania Main Line Canal weigh lock, as well as excavation of numerous nineteenth century wells and privies.

**Private Client** - Project Manager for Phase II testing at five nineteenth century farmsteads in Dauphin County, Pennsylvania. The standing structures (architecture) at all five sites were also assessed for their potential NRHP-eligibility.

**PROFESSIONAL AFFILIATIONS:**

- Society for American Archaeology
- Society for Historical Archaeology
- Society for Pennsylvania Archaeology
- Westmoreland Archaeological Society
- Westmoreland County Historical Society
- Preservation Pennsylvania
- Pittsburgh History & Landmarks Foundation
Lawrence E. Proczko, Jr.
Project Manager, Harrisburg, Pennsylvania

Education
Bachelor of Science in Geo-Environmental Studies, Shippensburg University, 1992

Certifications/Registrations/Technical Training
Environmental Professional - Phase I ESA, PSI, 1995
OSHA 29 CFR 1910.120 HAZWOPER Supervisor, 1993
OSHA 29 CFR 1910.120 HAZWOPER Worker, 1992
EPA Lead-Based Paint Inspector/Risk Assessor, # CLPA10198, 2002
Pennsylvania Lead Inspector/Risk Assessor, # 002847, 2002
EPA AHERA Asbestos Inspector, # 65767, 1995
Pennsylvania Asbestos Inspector, # 019051, 1996
City of Philadelphia Asbestos Investigator, # 0230, 1997
City of Philadelphia Asbestos Project Inspector, # 0310003, 2003
TSCA Title II: Asbestos Supervisor, #CAPA07705, 1999
American Industrial Hygiene Association Asbestos Analysis Registry, #7874, 1999
NIOSH 582 (Airborne Fiber Sampling and Evaluation Techniques), 1998
NIOSH 7400 Method QC, PSI, 1999
Radiation Safety - XRF, PSI, 2002
Radiation Safety and LPA-1 Training, RMD, 2004
Phase I Environmental Site Assessments, PSI, 1995
Phase II Environmental Site Assessments, PSI, 1999
Project Manager Certification Program, PSI, 2004

Professional Experience
Mr. Proczko has over 20 years of experience and contributes field and technical expertise in a wide variety of projects. He has valuable experience in performing Phase I Environmental Site Assessments, Phase II Environmental Assessments, soil and groundwater sampling, asbestos and lead surveys and assessments, asbestos abatement oversight, airborne fiber sampling, supervision of environmental drilling operations, industrial hygiene services, environmental research, and technical report preparation.

Representative Asbestos/Lead Based Paint Project Experience
• US Postal Service; Central, Pennsylvania - Project scientist responsible for asbestos and lead and assessments of over 50 Post Offices throughout the Harrisburg District. Surveys included AHERA protocol asbestos surveys; lead-based paint sampling, and lead-in-water sampling.
• Dallastown Area School District; Dallastown, Pennsylvania - Staff scientist responsible for abatement oversight and asbestos air testing during renovations to the middle school and high school.
• The GAP; Central/ Eastern Pennsylvania - Project scientist responsible for asbestos surveys of over twenty existing retail stores and proposed facilities prior to renovation activities. Stores range in size from 2,000 to 40,000 square feet.
• Albertson’s, Inc.; Eastern, Pennsylvania - Staff scientist responsible for asbestos and lead paint surveys of several existing grocery stores prior to renovations. Stores ranged in size from 30,000 to 60,000 square feet.
• Geo-Specialty Chemicals; Allentown, Pennsylvania - Staff scientist responsible for asbestos survey of over 30 structures in preparation for demolition. Provided abatement
oversight and asbestos air monitoring during demolition activities, which included a four-story, abandoned chemical processing building.

- MCI WorldCom; Philadelphia, Pennsylvania - Staff scientist responsible for several asbestos surveys in the downtown Philadelphia area prior to renovation activities. Survey spaces ranged from 7,000 to 40,000 square feet.
- York County Administrative Center, York, Pennsylvania - Project scientist responsible for asbestos and lead based paint survey for renovation of a 150,000 square foot office building. Assisted in preparation of project design specifications, performed periodic QA services during abatement.
- Wal-Mart; Pennsylvania, New Jersey, Maryland - Project scientist responsible for asbestos surveys of existing stores prior to renovations. Stores ranged in size from 100,000 to 210,000 square feet. Assisted in preparation of project design specifications, and performed QA services and project oversight during abatement activities.
- Department of General Services Central Region, Pennsylvania - Staff scientist providing asbestos and lead air monitoring and abatement oversight for various DGS projects including the Agricultural Building, Penn DOT buildings, the State Museum, and the Farm Show Complex.
- Penn State Environmental Health & Safety – Project manager providing asbestos monitoring and abatement oversight at several campus locations for demolition and renovation activities.
- Sysco Food Services – Project manager responsible for asbestos and lead paint surveys, air monitoring, and abatement oversight during demolition and renovation activities at the Philadelphia distribution center.

Representative Phase I/II Environmental Site Assessment Project Experience
- Omnipoint Communications, Inc.; Pennsylvania - Staff scientist responsible for Phase I ESAs of proposed communication tower sites. A site of interest was a petroleum storage tank farm.
- Paine Webber; New Jersey - Staff scientist responsible for Phase I ESAs on several properties in an industrial park. Services included ground reconnaissance, records review and report preparation.
- Best Buy Company, Inc.; Pennsylvania - Staff scientist responsible for several Phase I ESAs for proposed facilities throughout Pennsylvania. Additional services included an asbestos survey, and a geophysical survey to locate suspect USTs.
- Sprint PCS; Pennsylvania, Maryland, New Jersey - Staff scientist responsible for Phase I ESAs of proposed communication tower sites. Services included National Environmental Policy Act compliance evaluation and field verified, historical site impact studies.
- American Freightways Corp.; New Jersey - Staff scientist responsible for Phase I ESA of an existing trucking terminal and repair facility. A Phase II ESA was conducted and Mr. Proczko was responsible for the oversight of drilling and monitoring well installation (using direct push technology), collection of soil and groundwater samples and technical report preparation.

Representative Industrial Hygiene Project Experience
- Brandenburg Industrial Service Company; Lancaster, Pennsylvania - Provided industrial hygiene monitoring for dust, lead, asbestos, and welding fumes during demolition activities at a large industrial facility.
Resume
Larry E. Proczko, Jr.

- Brandenburg Industrial Service Company; Philadelphia, Pennsylvania - Provided industrial hygiene monitoring for dust, lead, and welding fumes during demolition of rail lines.
- MedStar Health, Harbor Hospital Center; Baltimore, Maryland – Provided quarterly industrial hygiene monitoring for asbestos as part of the facility’s asbestos management program.
- Darden Restaurants – Conducted industrial hygiene investigations and monitoring for moisture and fungal contamination at several facilities in Pennsylvania and New Jersey.

Year started with PSI:          1994
Years experience with other firms:  2