FCC Form 620

FCC Wireless Telecommunications Bureau
New Tower ("NT") Submission Packet
approved by OMB 3060-1039
See Instructions for
Public burden estimates

General Information
1) (Select only one) (NE)
   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.
   File Number:

Applicant Information
3) FCC Registration Number (FRN): 0016979734
4) Name: Bertram Communications

Contact Name
5) First Name: James
6) MI: 
7) Last Name: Bertram
8) Suffix:
9) Title:

Contact Information
10) PO Box: 
11) Street Address: 300 Industrial Drive
12) City: Random Lake
13) State: Wisconsin
14) Zip Code: 53075
15) Telephone Number: ( )
16) Fax Number: ( )
17) E-mail Address: jamesr.bertram@bertramcorporation.com

Consultant Information
18) FCC Registration Number (FRN): 0021060322
19) Name: Public Service Archaeology & Architecture Program

Principal Investigator
20) First Name: Kevin
21) MI: P.
22) Last Name: McGowan
23) Suffix: Dr.
24) Title: Director

Principal Investigator Contact Information
25) P.O. Box: 
26) Street Address: 1707 South Orchard Street
27) City: Urbana
28) State: IL
29) Zip Code: 61801
30) Telephone Number: (217) 333-1636
31) Fax Number: (847) 548-7961
32) E-mail Address: kevin57m@earthlink.net
**Professional Qualification**

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

34) Areas of Professional Qualification:

( X ) 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?  (X) Yes ( ) No

If “Yes” Complete the following:

36) First Name: Marcy
37) MI: A
38) Last Name: Prchal
39) Suffix: Ms.

40) Title: Project Architectural Historian

41) Area of Professional Qualifications:

( ) Archaeologist
( X ) Architectural Historian
( ) Historian
( ) Architect
( ) Other (Specify)

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

If “Yes” Complete the following:

36) First Name:
37) MI:
38) Last Name:
39) Suffix:

40) Title:

41) Area of Professional Qualifications:

( ) Archaeologist
( ) Architectural Historian
( ) Historian
( ) Architect
( ) Other (Specify)

This page may be copied to include additional staff.

Consultant Information Attachments required – See instructions for details
CONSULTANT INFORMATION ATTACHMENT:
Résumés / Vitae
Degrees:

Ph.D., University of Illinois at Urbana-Champaign in 1990.
A.M., University of Illinois at Urbana-Champaign in 1987.
B.A., Magna cum laude from North Central College in 1979.

Professional Experience:

Current Position Title and Responsibilities: Program Director of the Public Service Archaeology & Architecture Program, responsible for the management of the research program for the Department of Anthropology, University of Illinois at Urbana-Champaign. Secretary of the Interior qualified archaeologist.

Cultural Resource Management Experience: Have conducted archaeological and architectural investigations including agency consultation, background research, survey, testing, documentation, and excavation in the Midwest since 1981.

Selected Recent Publications:

McGowan, Kevin P.
2011 Phase 1 Intensive Archaeological Survey for the Proposed Pisgah Telecommunications Facility in Harrison County, Iowa. Public Service Archaeology & Architecture Program, University of Illinois at Urbana-Champaign.

McGowan, Kevin P., Christopher Flynn, Virginia Hess, Michael Smith, and Jodi Blumenfeld

McGowan, Kevin P., Christopher Flynn, and Marcy A. Prchal

McGowan, Kevin P., Christopher Flynn, and Scott D. Sills
MARCY ANN PRCHAL
Public Service Archaeology & Architecture Program
Department of Anthropology
1707 South Orchard Street
University of Illinois at Urbana-Champaign
Urbana, Illinois 61801
(217) 333-1636

Degrees:

M.Phil. Medieval Archaeology, University of Glasgow, Glasgow, Scotland, 2003
B.S., Anthropology with Minor in Art History, Northern Illinois University, DeKalb, Illinois, 1997

Professional Experience:


Cultural Resource Management Experience: Have conducted architectural and archaeological survey, architectural analysis, excavation, report writing, historical research, artifact processing, and public education in the Midwest since 1997. Secretary of the Interior qualified architectural historian.

Selected Recent Publications:

Prchal, Marcy, Christopher Flynn, and Kevin McGowan

Prchal, Marcy and Christopher Flynn
2011 National Register of Historic Places Registration Form for the Strang/Druce-Hoffman Farm in Old Mill Creek, Lake County, Illinois. Public Service Archaeology & Architecture Program, University of Illinois at Urbana-Champaign.
Site Information

Tower Construction Notification System

1) TCNS Notification Number:

Site Information

2) Site Name: Mayville
3) Site Address: N6659 Weber View Drive
7) County/Borough/Parish: Hennepin
8) Nearest Crossroads: Madison Road and Wisconsin Route 33

9) NAD 83 Latitude (DD-MM-SS.S) (44° 50’ 21.5") (X) N or ( ) S
10) NAD 83 Longitude (DD-MM-SS.S) (93° 16’ 16.9") (X) W or ( ) E

Tower Information

11) Tower height above ground level (include top-mounted attachments such as lightning rods): (495.0) Feet (150.88) Meters

12) Tower Type (Select One)
   ( X ) Guyed lattice tower
   ( ) Self-supporting lattice
   ( ) Monopole
   ( ) Other (describe)

Project Status

13) Current Project Status (Select One)
   ( ) Construction has not yet commenced
   ( ) Construction has commenced, but is not completed  Construction commenced on: ___/___/____
   ( ) Construction has been completed  Construction commenced on: ___/___/____
   Construction completed on: ___/___/____

Site Information Attachments required – See instructions for details.
SITE INFORMATION ATTACHMENT:

Directional Photographs
<table>
<thead>
<tr>
<th>Photograph 1:</th>
<th>Access Road Near Southeast Tower Anchor</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mayville Antenna Tower</strong></td>
<td><strong>Iron Ridge, Wisconsin</strong></td>
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<table>
<thead>
<tr>
<th>Photograph 2:</th>
<th>Access Road view to northwest toward tower pad</th>
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</thead>
<tbody>
<tr>
<td><strong>Mayville Antenna Tower</strong></td>
<td><strong>Iron Ridge, Wisconsin</strong></td>
</tr>
<tr>
<td>Photograph 3:</td>
<td>Access road view to south</td>
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<tr>
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<tr>
<td>Mayville Antenna Tower</td>
<td>Iron Ridge, Wisconsin</td>
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<thead>
<tr>
<th>Photograph 4:</th>
<th>Access road view to south</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mayville Antenna Tower</td>
<td>Iron Ridge, Wisconsin</td>
</tr>
<tr>
<td>Photograph 5:</td>
<td>View from access road</td>
</tr>
<tr>
<td>Mayville Antenna Tower</td>
<td>Iron Ridge, Wisconsin</td>
</tr>
</tbody>
</table>

| Photograph 6: | View of existing structures |
| Mayville Antenna Tower | Iron Ridge, Wisconsin |
Photograph 7: View of planned tower location

Mayville Antenna Tower
Iron Ridge, Wisconsin

Photograph 8: Treeline east of tower easement

Mayville Antenna Tower
Iron Ridge, Wisconsin
<table>
<thead>
<tr>
<th>Photograph 9:</th>
<th>Typical vegetation at tower easement</th>
</tr>
</thead>
<tbody>
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<td>Mayville Antenna Tower</td>
<td>Iron Ridge, Wisconsin</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Photograph 10:</th>
<th>Typical vegetation at tower easement, ground level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mayville Antenna Tower</td>
<td>Iron Ridge, Wisconsin</td>
</tr>
</tbody>
</table>
Photograph 11: View to east at entrance

Mayville Antenna Tower
Iron Ridge, Wisconsin

Photograph 12: View to east from tower

Mayville Antenna Tower
Iron Ridge, Wisconsin
Photograph 13: View to north along treeline east of tower easement

Mayville Antenna Tower | Iron Ridge, Wisconsin

Photograph 14: View to north at entrance

Mayville Antenna Tower | Iron Ridge, Wisconsin
<table>
<thead>
<tr>
<th>Photograph 15:</th>
<th>View to north along Madison Road</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mayville Antenna Tower</td>
<td>Iron Ridge, Wisconsin</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Photograph 16:</th>
<th>View to north along Madison Road</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mayville Antenna Tower</td>
<td>Iron Ridge, Wisconsin</td>
</tr>
</tbody>
</table>
Photograph 17: View to northeast anchor point from tower pad

Mayville Antenna Tower
Iron Ridge, Wisconsin

Photograph 18: View to northeast anchor point from tower pad

Mayville Antenna Tower
Iron Ridge, Wisconsin
<table>
<thead>
<tr>
<th>Photograph 19:</th>
<th>View to northwest from near tower anchor point</th>
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<td>Mayville Antenna Tower</td>
<td>Iron Ridge, Wisconsin</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Photograph 20:</th>
<th>View to southeast anchor point from tower pad</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mayville Antenna Tower</td>
<td>Iron Ridge, Wisconsin</td>
</tr>
</tbody>
</table>
Photograph 21: View to southeast from tower pad

Mayville Antenna Tower
Iron Ridge, Wisconsin

Photograph 22: View to southwest from tower pad

Mayville Antenna Tower
Iron Ridge, Wisconsin
<table>
<thead>
<tr>
<th>Photograph 23:</th>
<th>View to west anchor point from tower pad</th>
</tr>
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<td>Mayville Antenna Tower</td>
<td>Iron Ridge, Wisconsin</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Photograph 24:</th>
<th>View to west anchor point from tower pad</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mayville Antenna Tower</td>
<td>Iron Ridge, Wisconsin</td>
</tr>
<tr>
<td>Photograph 25:</td>
<td>View to west entrance</td>
</tr>
<tr>
<td>---------------</td>
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</tr>
<tr>
<td>Mayville Antenna Tower</td>
<td>Iron Ridge, Wisconsin</td>
</tr>
</tbody>
</table>
SITE INFORMATION ATTACHMENT:

Topographic Map
SITE INFORMATION ATTACHMENT:

Aerial Photograph
DETERMINATION OF EFFECT ATTACHMENT:
Areas of Potential Effects (APE)

Per the *Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission*, the APEs are as follows:

Direct Effects: Area directly under the proposed guy wire supported tower facility that includes associated utility and access corridors, equipment compound, and temporary construction areas located at N6659 Weber View Drive near Iron Ridge, Dodge County, Wisconsin 53035. The survey area extends north from Weber View Drive along an existing asphalt and gravel drive that is 10 meters (32.8 feet) wide by 275 meters (902.2 foot) long access and utility easement to reach a facility construction area that covers 170 meters (557.7 feet) north to south by 180 meters (590.6 feet) east to west resulting in a total project area of 3.34 hectares (8.2 acres).

Indirect Visual Effects: The visual APE for the proposed project is a 2.41 kilometer (1.50 mile) radius for structures with a total height of greater than 121.9 meters (400 feet).
The proposed cellular telecommunications facility is located at N6659 Weber View Drive near Iron Ridge, Wisconsin 53035. The subject property was examined with a records check, including a review of the existing State Historical Society of Wisconsin records and a review of historic maps for evidence of past land use. The review found the area has not been reported as surveyed and that there were no recorded sites in the project area. The project area was also the subject of a field investigation on 12 November 2015. The survey area extends north from Weber View Drive along an existing asphalt and gravel drive that is 10 meters (32.8 feet) wide by 275 meters (902.2 foot) long access and utility easement to reach a facility construction area that covers 170 meters (557.7 feet) north to south by 180 meters (590.6 feet) east to west resulting in a total project area of 3.34 hectares (8.2 acres). The project area is located on a rural agricultural/commercial property and is generally bounded by Weber View Drive and a residential subdivision to the south, by a communication tower facility and agricultural fields to the east, and by agricultural fields to the west and north. The project area consists of an asphalt and gravel covered access drive with grass and exposed surface shoulders for a utility easement and a weed-covered fallow agricultural field and a harvested soybean field with variable surface visibility ranging from 90 to 10 percent. The project area was examined by a 5-meter (16.4 foot) interval pedestrian reconnaissance and by 25 screened shovel tests. Field investigations found no artifacts or other evidence for archaeological sites in the project area. A separate report was prepared for submission to the Wisconsin Historical Society.
A search of the National Register of Historic Places (NRHP), National Historic Landmarks (NHL), records at the Wisconsin Historical Society principally in the form of the Wisconsin Historic Preservation Database (WHPD), and field investigations did not identify any historic properties in the APE for direct effects, resulting in a recommended finding of No Historic Properties.
SITE INFORMATION ATTACHMENT:
Newly Identified Properties in Direct Effects APE

NONE
SITE INFORMATION ATTACHMENT:
Properties in Indirect Effects APE

A search of the National Register of Historic Places (NRHP), National Historic Landmarks (NHL), records at the Wisconsin Historical Society principally in the form of the Wisconsin Historic Preservation Database (WHPD), and field investigations identified three historic properties in the APE for visual effects that are either listed, determined eligible, or is considered eligible for the NRHP.
SITE INFORMATION ATTACHMENT:
Photographs of Historic Properties in Visual Effects APE
Resource 1 - The Baumann House (AHI #15691), north side of Rock Road, 0.3 miles west of County Highway AY.
Resource 2 - Methodist Church aka Neda Town Hall (AHI #93430), N 6314 Mine Road.
Resource 3 - West side of State Highway 67, one mile north of Neda Road (AHF #14998).
HISTORIC PROPERTIES ATTACHMENT:
Newly Identified Properties in Visual Effects APE

NONE
HISTORIC PROPERTIES ATTACHMENT:
Properties No Longer Eligible in Visual Effects APE

NONE
SITE INFORMATION ATTACHMENT:
Photographs from Historic Properties to Project

NONE
**Determination of Effect**

14) Direct Effects (Select One):

( X ) No Historic Properties in Area of Potential Effects (APE)

( ) No Effect on Historic Properties in APE

( ) No Adverse Effect on Historic Properties in APE

( ) Adverse Effect on one or more Historic Properties in APE

15) Visual Effects (Select One):

( ) No Historic Properties in Area of Potential Effects (APE)

( X ) No Effect on Historic Properties in APE

( ) No Adverse Effect on Historic Properties in APE

( ) Adverse Effect on one or more Historic Properties in APE

**Determination of Effect Attachments required - See Instructions for details**
Historic Properties

Properties Identified

1) Have any historic properties been identified within the APE's for direct and visual effect? (X) Yes ( ) 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 APE's for direct and visual effect? If "Yes" you are required to attach a Cultural Resources Report in lieu of adding the Historic Property below ( ) Yes (X) No
**Historic Property**

4) Property Name: Baumann House
5) SHPO Site Number: AHI #15691

**Property Address**

6) Street Address: W2238 Rock Road
10) County/Borough/Parish: Dodge

**Status & Eligibility**

11) Is this property listed on the National Register?
Source: ___________________________________________  ( ) Yes (X) No

12) Is this property eligible for listing on the National Register?
Source: Wisconsin Historic Preservation Database (X) Yes ( ) No

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

14) Direct Effects (Select One):
( X ) 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):
( X ) 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

This architectural resource faces south with the project to be located to the northwest. The project will be minimally visible from the resource but will not occur in the historic viewshed of the resource, resulting in No Effect.

This page may be copied to include additional Historic Properties

Historic Property Attachments required - See instructions for details  page 7
Historic Property

4) Property Name: Methodist Church aka Neda Town Hall
5) SHPO Site Number: AHI #93430

Property Address

6) Street Address: North 6314 Mine Road
7) City: Iron Ridge
8) State: WI
9) Zip Code: 53035
10) County/Borough/Parish: Dodge

Status & Eligibility

11) Is this property listed on the National Register?
Source: ________________________________ ( ) Yes ( X ) No

12) Is this property eligible for listing on the National Register?
Source: Wisconsin Historic Preservation Database ( X ) Yes ( ) No

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

14) Direct Effects (Select One):
( X ) 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):
( X ) 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

This architectural resource faces west with the project to be located to the northeast. The project will not be visible from the resource nor will not occur in the historic viewshed of the resource, resulting in No Effect.

This page may be copied to include additional Historic Properties
Historic Property Attachments required - See instructions for details page 7
Historic Property

4) Property Name:

5) SHPO Site Number:  AHI #14998

Property Address

6) Street Address:  North 6581 State Highway 67
7) City:  Iron Ridge
8) State:  WI
9) Zip Code:  53035
10) County/Borough/Parish:  Dodge

Status & Eligibility

11) Is this property listed on the National Register?
Source:___________________________________  ( ) Yes ( X ) No

12) Is this property eligible for listing on the National Register?
Source: Wisconsin Historic Preservation Database ______  ( X ) Yes ( ) No

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

14) Direct Effects (Select One):
( X ) 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):
( X ) 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

This architectural resource faces south with the project to be located to the northeast. The project will not be visible from the resource nor will not occur in the historic viewshed of the resource, resulting in No Effect.

This page may be copied to include additional Historic Properties

Historic Property Attachments required - See instructions for details  page 7