



# Illinois Department of Transportation

Division of Aeronautics

1 Langhorne Bond Drive / Capital Airport / Springfield, Illinois / 62707-8415

April 25, 2006

Larry Augsburger  
Infinite Global Infrastructures, LLC  
480 E. Roosevelt Road, Suite 205  
West Chicago, Illinois 60185

Re: Aeronautical Study **2006-AGL-81-NRA**  
FAA Form 7460-1 Approval to Install  
Multiple Satellite Antennas  
At the DuPage Airport (DPA)  
West Chicago, Illinois 60185

Dear Mr. Augsburger:

Under the Federal Aviation Administration (FAA) State Block Program, the Illinois Department of Transportation, Division of Aeronautics (IDA) has been assigned the responsibility of coordinating FAA 7460-1 submittals for on-airport development occurring at all Illinois airports which are not classified as primary airports.

A study was initiated for the above proposal. This study was based on the information that was submitted on the FAA Form 7460-1.

The FAA has completed their study and has imposed no objections to the proposal, subject to the following conditions:

1. Upon receipt of notification from the Federal Communications Commission that harmful interference is being caused by the licensee's transmitter, the licensee (permit tee) shall either immediately reduce the power to the point of non-interference, cease operation, or take such immediate corrective action as is necessary to eliminate the harmful interference. This conditional statement expires after 1 year of interference-free operations.
2. The contractor shall be responsible for locating utility lines and hand digging to locate FAA cabling and shall provide adequate provisions to protect all FAA cables exposed during the proposed construction. The sponsor/contractor shall be responsible for notifying the FAA-Tech Ops representative at the pre-construction meeting should cable relocation be necessary.
3. Any damage to FAA cables, access roads, or to FAA facilities during the construction will require the contractor to replace the damaged cables, access road, or FAA facilities to the FAA SMO's requirements, and at the contractors' expense. Splicing of cables is not an acceptable form of repair.
4. FAA CHI-ADO states, "if the proposal affects the ingress/egress of the helipad/heliport established under Airspace Case 93-AGL-284-NRA, the airspace determination for said helipad/heliport will have to be revisited."

If you have any further comments or questions concerning the above, please feel free to contact me at 217-524-1580.

Sincerely,

 4/25/66

Robert L. Hahn  
Airspace Specialist

cc: Brian Welker - CMT  
David Bird – Executive Director, DPA  
Byron Miller – Director of Operations, DPA  
Mark Doles - DPA  
FAA CHI-ADO-611  
FAA CHI-FPO  
FAA AGL-471  
FAA SMO-Chicago  
FAA ATCT-DPA

Form Approved OMB No. 2120-0001  
Expiration Date: 7/3/07

Please Type or Print on This Form

<p style="margin: 0; font-size: x-small;">U.S. Department of Transportation Federal Aviation Administration</p> <p style="margin: 5px 0 0 0;"><b>Failure To Provide All Requested Information May Delay Processing of Your Notice</b></p> <h2 style="margin: 5px 0 0 0; text-align: center;">Notice of Proposed Construction or Alteration</h2>	<p style="margin: 0; font-weight: bold; font-size: small;">FOR FAA USE ONLY</p> <p style="margin: 0; font-size: x-small;">ADMINISTRATIVE STUDY NUMBER</p>																																										
<p><b>1. Sponsor (person, company, etc. proposing this action):</b></p> <p>Attn. of: <u>Larry Augsburger</u></p> <p>Name: <u>Infinite Global Infrastructures, LLC</u></p> <p>Address: <u>480 E. Roosevelt Road, Suite 205</u></p> <hr/> <p>City: <u>West Chicago</u> State: <u>IL</u> Zip: <u>60185</u></p> <p>Telephone: <u>630-562-2427</u> Fax: <u>630-562-2433</u></p> <p><b>2. Sponsor's Representative (if other than #1):</b></p> <p>Attn. of: _____</p> <p>Name: _____</p> <p>Address: _____</p> <hr/> <p>City: _____ State: _____ Zip: _____</p> <p>Telephone: _____ Fax: _____</p> <p><b>3. Notice of:</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing</p> <p><b>4. Duration:</b> <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary ( ___ months, ___ days)</p> <p><b>5. Work Schedule:</b> Beginning <u>5/1/2006</u> End <u>6/1/2006</u></p> <p><b>6. Type:</b> <input type="checkbox"/> Antenna Tower <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Power Line  <input type="checkbox"/> Landfill <input type="checkbox"/> Water Tank <input checked="" type="checkbox"/> Other <u>Satellite Antenna</u></p> <p><b>7. Marking/Painting and/or Lighting Preferred:</b></p> <p><input type="checkbox"/> Red Lights and Paint <input type="checkbox"/> Dual - Red and Medium Intensity White  <input type="checkbox"/> White - Medium Intensity <input type="checkbox"/> Dual - Red and high Intensity White  <input type="checkbox"/> White - High Intensity <input checked="" type="checkbox"/> Other</p> <p><b>8. FCC Antenna Structure Registration Number (if applicable):</b>  <u>N/A</u></p>	<p><b>9. Latitude:</b> <u>41N</u> ° <u>53</u> ' <u>16</u> " <u>45</u> "</p> <p><b>10. Longitude:</b> <u>88W</u> ° <u>14</u> ' <u>39</u> " <u>40</u> "</p> <p><b>11. Datum:</b> <input checked="" type="checkbox"/> NAD 83 <input type="checkbox"/> NAD 27 <input type="checkbox"/> Other</p> <p><b>12. Nearest City:</b> <u>West Chicago</u> State: <u>IL</u></p> <p><b>13. Nearest Public-use (not private-use) or Military Airport or Heliport:</b>  <u>DPA - West Chicago</u></p> <p><b>14. Distance from #13. to Structure:</b> <u>On airport</u></p> <p><b>15. Direction from #13. to Structure:</b> <u>Southeast corner</u></p> <p><b>16. Site Elevation (AMSL):</b> <u>758</u> ft.</p> <p><b>17. Total Structure Height (AGL):</b> <u>15</u> ft.</p> <p><b>18. Overall Height (#16 + #17) (AMSL):</b> <u>773</u> ft.</p> <p><b>19. Previous FAA Aeronautical Study Number (if applicable):</b>  <u>N/A</u> <span style="float: right;">-OE</span></p> <p><b>20. Description of Location:</b> <i>(Attach a USGS 7.5 minute Quadrangle Map with the precise site marked and any certified survey)</i>  Antennas will be located immediately west and slightly south of the building located at 320 Kress Road, West Chicago, IL.</p>																																										
<p><b>21. Complete Description of Proposal:</b>  IGI is planning a move to this property within the next three months. We plan to locate multiple satellite antennas at this location. The largest antennas would be Andrew 3.7M Ku-Band dishes with an installed height of 15 feet (maximum). All visible satellites would be used, as well as all L, S, X, Ku, and Ka frequency bands. Transmission will typically be occasional use (not continuous).</p> <p>L-Band 0.95-1.45 GHz 1.9 KW ERP  S-Band 2.7-2.9 GHz 38.5 KW ERP  X-Band 7.9-8.4 GHz 422 KW ERP  Ku-Band 14.0-14.5 GHz 46,255 KW ERP  Ka-Band 26-30 GHz 1,928 KW ERP</p> <p style="text-align: center; font-weight: bold; margin-top: 20px;">DuPage Airport Authority grants approval for IGI to apply for Obstruction Evaluation.</p> <p style="text-align: center;">   <u>Mark Doles</u>      <u>1/27/06</u>  Director Operations Planning      Date </p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="width: 20%;">Frequency/Power (KW)</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>		Frequency/Power (KW)																																								
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Notice is required by 14 Code of Federal Regulations, part 77 pursuant to 49 U.S.C., Section 44718. Persons who knowingly and willingly violate the notice requirements of part 77 are subject to a civil penalty of \$1,000 per day until the notice is received, pursuant to 49 U.S.C., Section 46301(a)																																											
I hereby certify that all of the above statements made by me are true, complete, and correct to the best of my knowledge. In addition, I agree to mark and/or light the structure in accordance with established marking & lighting standards as necessary.																																											
Date: <u>1/27/2006</u>	Typed or Printed Name and Title of Person Filing Notice: <u>Larry Augsburger, Project Manager</u>																																										
Signature:																																											