Emerging Technology to Administer & Maintain Small Airports – MCOA 2016

Geographic Information Systems (GIS) for Airport Planning Projects
Topics for discussion:

• Benefits of GIS in Aviation Planning projects
• Benefits to Airport Sponsors
• Additional uses for GIS in aviation
Benefits of GIS in Aviation Planning Projects

• Large number of alternatives evaluated in a short period of time
• Can evaluate obstruction data in a short period of time
• Data is 3D and can help with visualization
• All data is ready for FAA submittal once required for general aviation airports
• Easily create Master Plan figures
• Airport Layout Plans compatible with FAA AC 150/5300-18B
Hutchinson Municipal Airport
Hutchinson Municipal Airport
Hutchinson Municipal Airport
Hutchinson Municipal Airport
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Figure 4-4
South Crosswind Runway Alternatives
Benefits of GIS for Airport Sponsors

• Tailored to your airport – no matter how big or how small
• Dynamic planning document
• Easily share airport data with City or County GIS department (airspace, zoning, future property)
• Data is live – if parcel data is updated on the County GIS system, automatically updates our GIS application
• User friendly database, helps with visualization
• Helps with public awareness and involvement
Obstruction Analysis

Legend
- Airport Boundary
- Fences
- APDS Run 3
- Obstacles Within 7 of 201 Surface (20)
- 201 Surface Permeation (114)
- Existing Surface Permeation

Obstruction Information

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<tr>
<th>FEET OF DISPLACED</th>
<th># OF REMAINING</th>
<th># OF OBST</th>
<th># OF PARCEL OWNERS TO CONTACT FOR REMAINING</th>
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Source: Johnson County, City of Iowa City
3D Visualization
3D Visualization
3D Visualization
Thank you!!!

Visit us at Booth #12

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