



AIRPORT OF THE YEAR

PROPOSAL

TERRE
HAUTE



A New Identity.....	2
Economic Development.....	3
Aviation Education.....	13
Corporate Citizenship / Community Outreach	15
Aviation Indiana	19
Safety & Security.....	20
Environmental Improvements/Aesthetics	21
Aviation Advocacy/Networking/Education.....	23
Other Initiatives.....	24
Charity Donation.....	25



INTRODUCTION

The Terre Haute Regional Airport (THRA) - Hulman Field, believes in the hard work they have put into their organization. The airport has come a long way in the past few years and requests consideration by Aviation Indiana for its Airport of the Year Award. This past year has been very exciting for the Airport as we are transitioning into a new brand and advancing aviation while creating an environment conducive to economic development.

The THRA operates with a small staff, but have a large responsibility with the vast infrastructure they maintain on a daily basis while keeping an eye forward and planning ahead for the future. The administrative staff includes the Executive Director, Jeff Hauser; Director of Operations, Kara McIntosh; and Finance and Office Manager, Tammy Sinderson. The Safety and Security department maintains a staff of 4 individuals, and the Maintenance department, headed by the Maintenance Manager, Shaun Baker, has a staff of 9. The airport currently employs one full time graduate intern, and typically receives one intern from Indiana State University Aviation program each semester.

In the Indiana airport environment, THRA is busy, well run, and continually planning for sustained growth in its facilities, operations, economic impact and community engagement. The airport recognizes its importance to the civilian and military aviation community, as well as the economic vitality of the City, County, region and State. THRA has undergone a significant transition from a commercial air service and air cargo airport, to a bustling general aviation airport that seeks diverse clients to utilize their facilities in order to increase economic activity in the area. The Airport is now positioned to be a leader in aviation, economic development, research and pilot training. The following sections will describe our present position and plans, so you might understand the preparation, work, and planning ongoing at THRA to make our Airport a bright spot on the Indiana aeronautical charts.

A NEW IDENTITY



The Terre Haute Regional Airport completed the process to rename the airport from Terre Haute International Airport to better reflect our identity.

With the realization that the stigma of an international airport is a deterrent to general aviation pilots, a name change seemed like a logical need. The Airport utilized the assistance of a local marketing company to support in the research and direction that it would take to complete a total rebranding endeavor.

Based upon the research that was completed, and after much discussion, the Airport's strategic plan was updated to have a more direct focus on economic development, education, community awareness and becoming a preferred destination. These areas reflect the vision of the Executive Director and the Board of Directors.

The Airport was renamed in July of 2016 with a State of the Airport event. This event allowed Mr. Hauser to explain our new name and logo, the reason for the change and to educate the community of all the businesses that are located at the Airport. The business sector of the Airport will be known as the Terre Haute Regional Airport and Aerotech Park. Careful reflection given to the past, present and future of the airport produced a picture that shows an airport steeped in history, thriving in a new economy and confident in its strategic focus for the future. Terre Haute Regional Airport and Aerotech Park is invigorated and buzzing with activity. With more than 500 people employed daily on the airfield in a variety of sectors including military, civilian, higher education and private pilots, Aerotech Park reflects the best of the Indiana economy. The new

name, logo and renovations taking place inside and out at Terre Haute Regional Airport reflect a renewed commitment to the region.

As the worlds of aviation and high tech naturally fuse together, the positioning of the airport's business park as Aerotech represents a renewed understanding of the airport as an economic generator for the Wabash Valley. Collaboration and partnerships with universities, military, and private businesses reinforces the wisdom of this positioning. Continued investment in the airport district ensures it is an enduring legacy for the community.

Our new name and new logo reflects a renewed emphasis on serving the Midwest and represent a simple statement of our position as a regional destination. Our new logo (shown left) uses a classic triangle wing motif. With the clean, mid-century modern lettering atop the logo it evokes the history and tradition that has shaped the airport that reflects pride in the present day. This is a nod to the modern era of flight that defined a singular period of growth for the aviation industry, and make it a source of pride in the Wabash Valley.

Additional marketing elements were completed that include a revamped website (www.huf.com). This will allow the Airport to be a better resource for economic development, customers, and the community. The website includes the Airport assets, available properties, directory of Aerotech Park, information on flight training, FBO information and a wealth of additional information. The Airport also developed a new email newsletter that allows us to better communicate with the community and tenants.

ECONOMIC DEVELOPMENT

Looking back five years in the economic development area, THRA was a very different place. At that time the two largest airside buildings were empty. The largest hangar was condemned from a straight line wind storm and a tornado that tore through the area in 2007. Our second largest hangar on the field was not owned by the airport due to a long term land lease, and sat empty since the company had sold their airplanes. The airport had tens of thousands of square feet available for remodel and/or lease with few, if any, prospects for development. The main terminal building was also in desperate need of remodel and an FBO and flight school were operated by the airport.

In the last five years THRA has experienced an economic renaissance, the highlights of which are noted below:

- THRA is the third busiest control towered airport in the State in total operations and our traffic counts continue to rise. In 2016 the Airport had the second highest count in local traffic and fifth highest itinerant traffic counts in the State. The airport saw an increase of 42% total operations from 2012 to 2016.

1/2016 to 12/2016

Facility	Itinerant					Local			TOTAL Operations
	Air Carrier	Air Taxi	General Aviation	Military	Total	Civil	Military	Total	
IND	122,399	24,004	15,254	637	162,294	0	0	0	162,294
LAF	79	778	36,208	137	37,202	62,185	4	62,189	99,391
HUF	34	509	23,541	465	24,549	25,969	184	26,153	50,702
SBN	2,931	14,658	13,140	244	30,973	10,067	158	10,225	41,198
FWA	3,638	15,470	10,884	2,276	32,268	3,412	460	3,872	36,140
EVV	990	11,770	10,449	1,015	24,224	5,953	810	6,763	30,987

	Itinerant					Local			
Facility	Air Carrier	Air Taxi	General Aviation	Military	Total	Civil	Military	Total	TOTAL Operations
1/2015 to 12/2015									
HUF	31	651	25,031	718	26,431	38,290	562	38,852	65,283
1/2012 to 12/2012									
HUF	22	799	14,542	689	16,052	19,223	373	15,596	35,648

Source: FAA Air Traffic Activity (ATADS)

- Every building on the airport is utilized, with a small amount of space for lease. Terre Haute Regional Airport Aerotech Park is home to:
 - o Hoosier Aviation – FBO
 - o IU Health Lifeline
 - o Williams Aviation – A&P Shop
 - o Turbines – Turbine Engine Rebuilding
 - o ICTT – Systems Engineering for Complex Systems
 - o ISU Flight Academy
 - o S&T Fulfillment – Specialty Packaging Facility
 - o Stark Industries – Precision Machining Facility
 - o 30 T-Hangar Units – with a waiting list for occupancy
 - o 3 Corporate Hangars
- There are currently 83 based aircraft at the Airport.
- The FBO was privatized by Hoosier Aviation and the results have been a positive cash flow and better service for our airside and groundside customers. The FBO is one of only 5 in the state offering Department of Defense contract fueling.
- Hoosier Aviation also operates a flight school and aircraft rental service with a fleet of five aircraft. Their demand for services is very high. The FBO recently purchased a King Air 200 and is in the process of starting a charter service – a first for THRA!



Figure 1: Hoosier Aviation's King Air 200



Figure 2: Hoosier Aviation's Fleet

- In cooperation with Hoosier Aviation, the Airport remodeled and redecorated the inside of our terminal building. We now are displaying a great amount of history items relating to the Airport such as photos from our dedication in 1944, a flag that flew at the Airport when it was Hulman Field in 1944, the original minute book establishing the Airport, the Terre Haute lettering that was on the building in 1944 and a wall canvas that highlights Terre Haute.

BEFORE



Figure 3: Interior of the terminal before the renovation

AFTER



Figure 4: Pilot lounge at Hoosier Aviation



Figure 5: Hoosier Aviation's sitting area

AFTER



Figure 6: Original flag from terminal dedication in 1944



Figure 8: Terre Haute sign from the original terminal building



Figure 7: History items including the minute books from Airport inception, photo of Mr. Hulman presenting check to the Airport and a piece of Airmail.



Figure 9: Community Canvas Wall



Figure 10: ISU's Fleet

- The Airport attended the NBAA Schedulers and Dispatchers conference in February of 2017 with our FBO - Hoosier Aviation - to help promote the Airport as a stop-over location.
- In partnership with ISU, the airport remodeled an old facility to accommodate the new ISU Flight Academy in 2013. ISU now maintains a fleet of 13 aircraft and three new Redbird simulators at THRA with plans for more. The ISU Academy has produced much of the increase in our airport traffic counts and gives us much better utilization of our surfaces.
- Our largest airside building is now fully leased since 2013 to Stark Industries, a machining company who specializes in the aerospace industry.
- Our largest landside facility was formerly a sort building for air cargo freight operations. It was empty or only partially leased for many years. The building is now fully leased since 2014 to S&T Fulfillment, a custom packaging operation.
- The airport worked with a long-term land leaseholder and regained the use of our second largest hangar. The facility was then leased to Hoosier Aviation, our FBO, and it is currently full of aircraft and also serves as an event venue. Hoosier Aviation works with the Vigo County Historical Society to host a USO Show and Hangar Dance in this facility every fall.
- To both diversify and maximize revenue streams the airport utilizes its grounds for additional non-aeronautical revenue by leasing its vacant land to local farmers. The airport thus gains valuable income from land which otherwise is not used for current development.

- THRA TIF District Development
 - The airport partnered with the Terre Haute Department of Redevelopment to fund – through TIF resources, the installation of water and sewer extensions on the east side of IN 46 to support commercial development. This location is just southwest of the airport. Meijer has since built a new store on the site which opened in the Fall of 2015.
 - The airport also spent approximately \$500,000 to relocate Duke Energy main transmission lines southwest of the Airport. This line relocation allowed Meijer to develop further back from the road allowing there to be sub lots placed in front for additional development. This was done in order to enhance development along IN 46 which is a growing area of the city and included in the airport's TIF district.
 - These large projects are all part of enhancing the Airport's TIF income while also creating new development for the SE side of Terre Haute. Other development sites adjacent to Meijer are also available and we are working with local developers to find additional clients for the site. The developments so far have greatly increased our TIF revenue and allows the Airport to reinvest these funds into infrastructure projects that include the outside terminal remodel and planning for future development.
 - In 2017 the airport utilized TIF Revenue to complete the over \$1.2 Million terminal facade upgrades.
 - With the funds received from the TIF district, the Airport is looking to expand the West Quad Development area. This expansion would create additional hangar space for general aviation as well as adding space for corporate tenants. In addition to more buildings, the plan includes infrastructure expansion connecting Hunt Road, which runs past the West Quad Area, to the Meijer's entrance. The road development significantly expands the options for airside access aerospace related business as well as non-airside development.



Figure 11: Renderings of proposed future development of the West Quad Area

- Over the past three years, Airport staff worked with INDOT on two road projects to benefit the airport.
 - The first was a complete rebuild of IN-42, the road directly in front of the airport which connects us to the City of Terre Haute. This project helped facilitate the development of the Indiana Army Guard FMS 8 Facility. This project took two years and has resulted in a much improved entrance to the airport. This project was completed at no cost to the airport.
 - To comply with FAA guidelines, the airport needed to relocate SR 342 from within the Runway Protection Zone (RPZ) of Runway 23. In addition, the Guard needed to revise the secure access gate to comply with 'Force Protection Standards' (SR 342 also served as the entrance to the 181st ANG). Working with INDOT, the City, the Guard, and the airport were able to relocate SR 342, aiding in the Guard's development of a new security gate entrance, AT NO COST to the FAA. The new entrance road was completed in 2015. This moved all the road traffic going to the Guard Base out of the RWY 23's PRZ. Thereby increasing safety for both the Airport and the Guard Base.

The Airport is an integral part of the local business community, and works closely with the Terre Haute Economic Development Corporation (THEDC), and the TH Chamber of Commerce (both of which the airport are members) on numerous opportunities.

- The Guard's new entrance road project facilitated the construction of a brand new Army National Guard facility at THRA; the Field Maintenance Shop (FMS) #8. This facility houses the Army Guard's vehicle maintenance facility, and opened in 2015.

- The construction of the above noted FMS, in conjunction with the relocated SR 342, necessitated the extension of utilities to the FMS site, thus opening the entire area for development – again at no cost to the airport or FAA.
- The Airport is an integral part of the local business community, and works closely with the Terre Haute Economic Development Corporation (THEDC), and the TH Chamber of Commerce (both of which the airport are members) on numerous opportunities.
- The Airport also joined Accelerate West Central Indiana, a regional marketing group composed of local EDC's, utility companies and business resource organizations from six counties that work toward recruiting companies to establish in West Central Indiana. As President of Accelerate West Central Indiana, Mr. Hauser has represented the airport on a national level participating in several trips with the Indiana EDC to meet with Site Selectors.
- Ms. McIntosh is currently serves on the executive committee for the Base Community Council. This organization serves to bring awareness to community leaders and businesses of all the area military installations.
- Ms. McIntosh is a member of the Women in Action Leadership Organization. This organization, spearheaded by THRA board member, Rachel Leslie with the Wabash Valley Leadership Institute, provides an avenue for women



Figure 12: Army National Guard FMS #8

leaders to navigate the political climate. The organization has been actively lobbying for interests that are important to each of their respected industries. The group has traveled to Washington D.C. to meet with our elected officials, as well as the Statehouse to meet with the Governor Holcomb as well as local elected officials.

- The airport has an active role in the Terre Haute Chamber of Commerce – with Mr. Jeff Hauser serving on the board. The airport is key in many aspects to economic development in the area collaborating with the Chamber has been a tremendous asset to us.
- The Airport attended the Maintenance, Repair, and Overhaul (MRO) Americas conference in April of 2016 and 2017 to promote the land that the Airport has available to potential businesses. The Airport was able to network and left with great contacts as well as learned vital information that was brought back and implemented into our business development strategy.
- The Airport applied for and received acceptance into the Duke Energy Site Readiness Program for 2016 with a 49 acre parcel that is east of the Airport between the Airport and the new ANG entrance. The program provides funding and expertise to help identify, assess, improve and increase awareness of industrial sites and buildings. The program not only includes an in-depth site evaluation, but the Airport will receive a \$10,000 grant to implement property improvements. Duke Energy has partnered with McCallum Sweeney Consulting and Banning Engineering to offer the Site Readiness

Program to give participants insight into what today's location consultants and industries are looking for in a "build ready" site. As a program participant, McCallum Sweeney Consulting will conduct an assessment of the site, offer a strengths and weaknesses analysis, and make recommendations for planning and improving of the industrial site.

- THRA is in the process of applying for an EDA grant to fund an Unmanned and Autonomous Systems Complex (UASC). The UASC will enable research, development, and operations in unmanned systems for both air and ground. Of primary concern are the issues of identifying gaps in knowledge, skills, and abilities through the assessment of both organizational and individual needs, and addressing those gaps through targeted training and product development opportunities. Construction of the UASC will enable economic growth and workforce development in the region. The proposed UASC will provide the nucleus for regional economic diversification that will create jobs, leverage capital investment, and encourage growth of an emerging industry. THRA expects to receive an answer about the grant by the end of 2017.

Fiscal Management

The airport has implemented new fiscal policies and procedures to insure continued compliance with State and federal regulations, as well as good reporting and accountability to the staff and board leadership. The airport is in a sound cash position with funds on hand and a positive cash flow for its annual budget.

These are a sampling of the economic development activities THRA has accomplished or participated in over the last few years. We believe these items demonstrate our forward thinking, willingness to support and cooperate with local governments and developers, and our work to develop both air and ground side opportunities.

AVIATION EDUCATION

Below are some items that demonstrate Terre Haute Regional Airport's participation in Aviation Education:

- Indiana State University Flight Academy is a Part 141 school with 13 aircraft and three flight simulators on site at its airport facility. They have over 120 students enrolled in the upcoming fall semester. In 2016 ISU conducted 5,700 hours of flight training.
- The university has entered into a partnership with Republic Airways, Express Jet and Trans States Airlines for a pipeline program that aids their students in seeking employment upon graduation.
- ISU offers a 4-year degree in Unmanned Systems. ISU and THRA have an approved Certificate of Authorization at the Airport. We are one of a select few non-FAA test area Class D airports to have a UAS C.O.A. approved. ISU has begun partnerships with Precision Hawk, Embry Riddle, Purdue University, and Rose Hulman Institute of Technology in the field of unmanned systems. To help grow ISU's unmanned systems program the aforementioned UASC will be a safe and secure place for the students to learn and get hands learning with tools of the industry they are studying. The training would take place inside the facility thereby not interfering with aircraft operations. Overall this would be an advantage for the college, providing a unique training opportunity not readily available elsewhere.



Figure 13: ISU Fly-In



Figure 14: UAV flying

- For the past three years, ISU's Flight Academy, Hoosier Aviation, and the airport have worked together to host an open house and fly-in each spring. This is an event headed by ISU students and used as a fundraiser for their Air Race Classic and NIFA teams. The event displays ISU's fleet and facility, airlines bring a plane for display and work to recruit students, the FBO provides airplane rides at a reduced rate, local pilots and the local EAA Chapter held a pancake breakfast. The event overall still drew a very good crowd including attendees from the community and local aviation enthusiasts.
- Over the past several years, ISU and THRA have hosted the National Intercollegiate Flying Association Regional and National competitions. ISU was selected to host the Regional event again in October 2016. ISU and THRA have been selected to host the National competition in the spring of 2018.
- THRA staff support ISU classes in Airport Operations each semester. We conduct tours for ISU classes on airfield operations, the airport regulatory environment, and airport maintenance management.
- THRA has begun an internship program thru ISU to allow for a student a semester to work with the administrative staff. The staff allows the intern to participate in a variety of projects and works to introduce them to a wide range of activities that are handled by a general aviation airport from maintenance, Part 139 inspections, and FAA planning. The Airport also included the intern on its trip to the AAAE annual conference in Houston in 2016.

- The airport has partnered with Rose-Hulman Institute of Technology students to provide an airfield design project. These projects are submitted in the ACRP competition each year. This year, the students took on a hangar design and layout for the airport's West Quad Development. The design resulted in several unique hangar designs for the airport's use. This partnership gives the students much needed experience in their field while at the same time allows the airport to see what different possibilities could be developed.

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- Hoosier Aviation has purchased several aircraft to support students earning private, commercial, and instrument ratings. They also can endorse pilots for tailwheel and high performance aircraft ratings.
- Several times each year the local EAA chapter has meetings on site at the airport, typically during the non-flying months. At least one and typically two of these meetings are safety meetings held in cooperation with the airport staff, local ATC staff and Indianapolis FSDO personnel. In addition, The EAA chapter typically holds two Young Eagle Rallies at THRA each year flying typically 90 to 130 Young Eagles.
- The local EAA chapter has recently developed an IMC Club. This is an EAA program designed to help instrument pilots learn from the difficulties other pilots have faced while flying on instruments. Each meeting will present a scenario with multiple steps leading up to some hard decisions. There aren't any "right" answers, and lots of room for discussion about what to do next.
- The Airport is a proud supporter of Launch Terre Haute, an initiative with a goal to encourage an environment of collaboration among like-minded people, offering an open working space with traditional office amenities. In the fall of 2015 the Airport participated in their event "Using Technology to Innovate our Community" with a presentation from Mr. Hauser

regarding Unmanned Systems and its presence in our community.

- The airport staff is always happy provide facility tours to local organizations and school children.

CORPORATE CITIZENSHIP / COMMUNITY OUTREACH

THRA staff is very proud of their community and perform many activities including:

- The airport maintains a very close relationship with its local general aviation community. The staff holds luncheons as a thank you and allow for open communication of needs and issues of the airport. The staff are also available to the EAA chapter to give regular updates as to the current status of the airport at the chapter meetings.



Figure 15: AI
Quarterly Meeting

a standing committee of the Terre Haute Chamber of Commerce who volunteer their time to provide a crucial link between the Chamber and its members by ensuring they are maximizing the benefits of their investment. They assist with retention through positive and professional interaction with members.

- The Airport, in collaboration with the Terre Haute Chamber of Commerce, hosted a Business Before Hours event in 2016. This allows for individuals in the community to network and interact in the morning hours before their workday begins.

Figure 16: Business Before
Hours event at THRA

- The THRA staff is actively engaged in the local charitable organizations such as the United Way with donations of goods and volunteer time.
- Ms. McIntosh serves on the Regional Hospital Quality Control Council which provides insight and oversees the service and procedures of the hospital. She also serves on the Base Community Council which



provides an avenue to bring business leaders and all area military installations together. Mr. Hauser serves on the Regional Hospital Board of Trustees. Mr. Hauser also serves as the President of Accelerate West Central Indiana, as well as the Terre Haute Chamber of Commerce Board of Directors, and the Terre Haute Economic Development Corporation.

- Saint Mary-of-the-Woods College (SMWC) and the Terre Haute Chamber of Commerce have partnered to launch the Wabash Valley Leadership Institute (WVLI). Airport staff, Ms. McIntosh, and Mr. Baker, have recently completed the Wabash Valley Leadership Institute. The purpose of the WVLI is to engage and energize leadership efforts in the Wabash Valley. Program curriculum focuses on leadership skills with the intended effects of personal growth in leadership, organizational behavioral skills, and potential community growth in a leadership capacity. Executive Director, Mr. Hauser, is a supporter of the Institute and teaches a class involving communication and conflict resolution.
- In conjunction with Launch Terre Haute the Airport helped to coordinate and execute a tour of the Terre Haute community's aviation and technology companies to a group from NSWCC Crane. The tour included GE Aviation, Rose Hulman Ventures, Tri-Aerospace, Stark Industries, the Air National Guard Base and the Airport. It was an educational day for the contingency from Crane and also local political and community leaders.



Figure 17: Tour of Terre Haute's aviation companies

- The Airport is excited to be a venue for community events. Since 2015 the Airport was and will continue to be the location of the Wingy Dingy Thingy. A chicken wing tasting event hosted by the local United Cerebral Palsy to raise awareness and funds to support the organization. The Airport was also the location of the HI-99 Complete Outdoor Off the Tracks Music Jam featuring Cole Swindell and 4 other country acts. HI-99 sold over 5,000 tickets to the event. It was a fun filled day for the community to enjoy an afternoon at the Airport and hear some great music.
- Executive Director, Mr. Hauser, provides presentations to various community organizations including Rotary, Kiwanis, etc. to tell the Airports story this summer. We want the community to understand what we have going on at the Airport and how we plan to utilize the Airport for the community.
- The owner of Hoosier Aviation, Jordan Brown, is participating in Commemorative Air Force (CAF) events throughout the country. This spring he participated in the CAF fly over in the vintage TBM-3E Avenger during a salute to the veterans of World War II at the Indianapolis 500.



Figure 18: HI-99
Complete Outdoor
Off the Tracks
Music Jam

- The Airport offers up the end of their ramp for events and training. For the past two years, the airport has hosted the Midwest Muscle Car Challenge event on the ramp. And this has turned into an annual event with them already planning for next year. We also lend the end of the ramp for Emergency Vehicle Operator Course training for local law enforcement organizations.



Figure 19: Airport presentation to the community



Figure 20: Hangar Dance



- Hoosier Aviation, the Vigo County Historical Society, and the Airport has hosted a USO Show and hangar dance with several warbirds the last two years. This event was open to the public and was attended by several hundred people and they are planning to continue this endeavor.



Figure 21: USO Show

- The airport provides space for local groups and organizations to meet and host other activities. Typically, if the event is a non-profit or the event is non-revenue producing, the airport allows the use of space for no charge. Examples include manager trainings, baby showers and luncheons.
- The airport often provides student groups from Rose-Hulman Institute of Technology (RHIT) the use of airport facilities to test their cars and other devices. RHIT students have tested their race cars, high-mileage vehicle, human powered vehicles, and a GM Hybrid vehicle on airport grounds.

THRA staff serves on the US Federal Prison community advisory council. This is in addition to providing service to the Federal Bureau of Prison aircraft on a regular basis. THRA services Prison aircraft typically 3 to 5 times each month.

AVIATION INDIANA

Visiting members, a mix of enthusiasts, engineers, pilots and municipal airport staff, were treated to breakfast-hour social time and a tour of the Indiana State Flight Academy. Terre Haute Chamber President, David Haines gave a few remarks of welcome, followed by an address from THRA Executive Director, Jeff Hauser. Mr. Haines stressed the importance of THRA as an important economic driver for the region and Mr. Hauser underlined that point with a few remarks on the airport's recent renovations, its status as a TIF district and efforts to expand the West Quadrant of the airport grounds.



Figure 22: Breakfast-hour social and tour of ISU Flight Academy

A special guest of the event was Jim Graham, the "Shortest Pilot in the Navy." Colonel Chris Colbert of the 181st Intelligence Wing gave a briefing, board member Richard Baker of Indiana State University spoke about unmanned systems and fielded questions from an engaged audience, and Major John Petrowski led a fantastic tour of the Air National Guard and 181st Intelligence Wing facilities on the east edge of THRA property.

The Terre Haute Air Show is being planned and executed by a committed group of community volunteers with Mr. Jeff Hauser and Ms. Kara McIntosh serving as committee members. This group saw the need and desire for an air show event in our community, and has taken it upon themselves to create a memorable weekend. Because it has been more than a decade since the community has had an air show, we expect, and are seeing, a great outpouring of enthusiasm and support. The community is embracing this event, and the committee is looking forward to offering an experience that will surpass their expectations. The mission of the Terre Haute Air Show is to offer an event the entire family can enjoy together. With the support of our sponsors, the event will provide not only outstanding entertainment, but also a boost to our local economy. Sponsoring businesses can look forward to cost-effective live-audience exposure and wide-ranging media/publicity opportunities. The air show will attract nearly 65,000 visitors to our airport and highlights to the community our facilities.

The Terre Haute Regional Airport Board of Directors are actively engaged in the development of the airport on a regional and national level. Many of whom travel with airport staff to various industry events. Annually the board members hold a retreat to plan out the airports goals and objectives for the year. Early in 2017 the Airport renovated the restaurant to bring it up to standard by working on the electrical, plumbing, and water system. Due to networking with the community, the Airport has several potential operators for the new space.



Figure 23: Mr. Jeff Hauser, Mr. Darryl Huyett, Ms. Kara McIntosh, and Mr. Jim Coffenberry at MRO Americas Conference

SAFETY & SECURITY

There are several areas where our airport excels at safety and security matters.

- 24 Hour Security - THRA provides 24/7 on airport security. We have a staff of 4 personnel who are fully trained and sworn special deputies in the Vigo County Sheriff department that provide around the clock security for our tenants.
- The 181st ANG facility at THRA is a highly secure operation. Our Safety and Security Department are in radio and telephone communication with 181st security for any need. They also provide back up for varying situations around the airport premise.
- FAA 139 Inspections - As any other FAA Part 139 the airport has annual 139 inspections. We have had very positive inspections over the last several years.
- The Airport has participated in a variety of Airport exercises including ISU and the ANG. A few examples include a mock disaster at the ISU Flight Academy that was put on by the ISU School of Nursing and included participation from ISU, the Airport, local law enforcement and rescue personnel, EMA, IU Lifeline and the Guard. The Airport also worked with the ANG in a mock terror attack drill. The exercise involved a suspicious package, and was used to see how the Airport, wing law enforcement, community law enforcement, and fire departments would react.
- In the spring of 2016 the Airport hosted the Trump campaign plane for his stop in Terre Haute to campaign. The Airport and FBO worked closely with the law enforcement agencies to make sure they provided all needed accommodations.
- As a result of the new entrance road to the FMS and the 181st, we have closed SR 342, the former main entrance to the 181st base. This road posed an operational issue as the use of it violated our runway protection zone for Runway 23.

THRA provides 24/7 on airport security. We have a staff of 4 personnel who are fully trained and sworn special deputies in the Vigo County Sheriff department that provide around the clock security for our tenants.

- THRA supports and provides training opportunities for its own ARFF crew and maintains two ARFF trucks. In 2015, a new member of our maintenance staff was added to our ARFF team.
- In 2015 the airport beacon was replaced. The old beacon was out of date and was becoming a maintenance issue. The new beacon is a much smaller version, is more energy efficient and provides the needed light for the airport.
- The Airport is working very closely with the FAA in developing a program for airfield hot spot removal. This project has been a very long and controversial process because it will result in the transformation of the Airport's third runway into a taxiway. The general aviation community had a lot of concerns in the beginning of the process. But the Airport held meetings and took the time to explain the FAA's reasoning and the overall process. We have arrived at a point where the Airport community supports the changes that will be coming as they are what is best for the long term health of the Airport. Construction began July of 2017 and is expected to go for five months.
- The airport is in the process of significant airfield improvements including signage and paint. Those include replacing the panels on our airfield signs and airfield marking painting. To date we have invested over \$122,000 of our own resources on airfield improvements, to include painting pavement markings and airfield signage. We are planning for \$75,000 of airfield investment in 2017.
- To replace the aging fleet of snow removal equipment the Airport purchased a new Oshkosh H series snow plow in 2015 with our own resources. We have been awarded a grant from INDOT office of Aviation for the purchase of a new snow blower in 2017.



Figure 24: New Oshkosh H series snow plow

- In 2014, the Airport completed an FAA AIP funded obstruction removal project that provided for safety approach and departure operations. This required coordination with many adjacent property owners in removing and/or topping their trees in the approach parts of our runways to maintain sufficient RPZ clearance.
- Airport Electrical Upgrade and Vault Project -This project funded primarily by the FAA as an AIP project, involved the installation of new airfield wiring to all runway, taxiway, and directional sign lighting. Many of the older directional signs lit with incandescent lights were converted to LED lighting for a cost savings and environmental improvement. A new electrical vault building was constructed, outfitted with all new equipment including regulators, computer controls, all controls linked with the ATC tower cab, and a new backup generator for all airfield lighting. This project certainly improved safety for users operating after dark and for the airport itself as much of the replaced wiring was decades old.
- In April of 2017 maintenance staff attended the snow symposium offered by AAAE to sharpen their skills on snow removal procedures as well as learn about different methods for ice prevention and treatment.

ENVIRONMENTAL IMPROVEMENTS/AESTHETICS

The airport staff prides itself in their facility. The following items are examples of how the airport has worked to improve the environment and facility of THRA.

- In the spring of 2017 the Airport completed the facade renovation of the terminal and added a large canopy from the parking lot over the main entrance. The work on this \$1.12 million dollar project began in the summer of 2016. This project was fully funded from the Airport's TIF revenue account. The outdated brick began to deteriorate and was the main cause for the renovation. This project increased the insulation of the building and resulted in a conservation of energy.
- An asphalt preventative maintenance plan is always in process for our parking lots and drives at the Airport. In 2015 the t-hangars were seal coated and in 2016 that continued to include the maintenance lot, Maynard Wheeler Lane and lots, and the Hoosier Hangar road and lot. This project will continue for the next few years until all of the lots have been sealed. The ramp has undergone a crack seal and joint repair program. The Airport spent \$45,000 in 2015 and 2016, and wrapped up most of the airport's seal coating in 2017 with expenditures at nearly \$80,000.
- The FBO area in the main terminal building underwent an entire remodel in 2011/2012 when Hoosier Aviation took over the FBO operation. This past year the FBO and the Airport has upgraded the terminal décor to include multiple history pieces and photographs. Pictures included.



Figure 25: THRA Terminal built circa 1950s



Figure 26: Terminal after renovations, completed in 2017

- In 2015 the terminal rehab continued to complete the last remaining public area outside of the restaurant. The East end bathrooms were completely gutted and updated to flow with the remainder of the area. This project was completed under budget by the hard work of our maintenance department who completed 90% of the work instead of having to hire contractors.
- In 2015, the airport replaced the lighting in all buildings and corporate hangars. We are now using more efficient ballasts, removed the T12 and sodium bulbs, and replaced them with T5 and U-Bend bulbs. The wattage reduction varies, but in one example we replaced 280W bulbs to 60W LED bulbs. The cost savings is projected to be approximately \$23,000 per year. We also received a rebate of \$3,400 for improvements.
- The FBO and airport staff has developed a great relationship with the military as an extension of our Defense Department contract fuel which makes us a stop for a variety of military activity. The airport regularly sees Blackhawk helicopters, T-38's, C-17s, C-135 and have made special accommodations multiple times to host an armed AC-130 gunship during training exercises.

“The Terre Haute Regional Airport is willing to go the extra mile to help our business. We’re seeing visible improvements in the facilities, hangars, and elsewhere.”

- Peg Mills, the President of Turbines

- The Airport’s relationship with its tenants has greatly improved over the last few years. Our maintenance staff is attentive to their needs and is working on many preventative maintenance projects. Peg Mills, the President of Turbines, one of the longest standing airfield tenants, stated that “The Terre Haute Regional Airport is willing to go the extra mile to help our business. We’re seeing visible improvements in the facilities, hangars, and elsewhere.”
- The FBO and airport staff go above and beyond to make guests welcome at the airport. All staff works their best to accommodate the guests.

AVIATION ADVOCACY/NETWORKING/EDUCATION

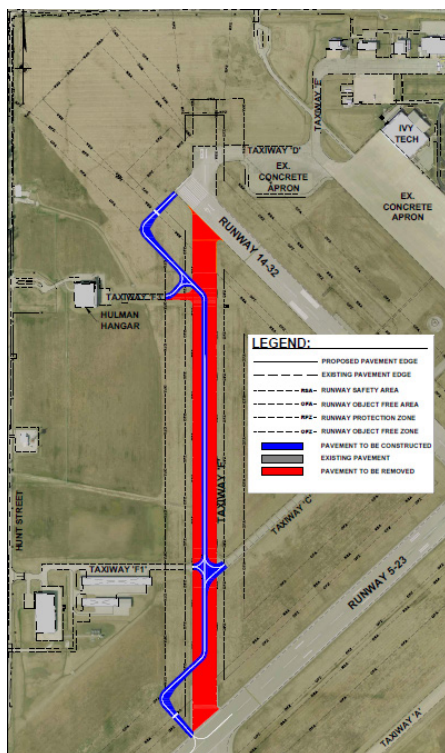
- The airport staff are members of Aviation Indiana (AI) and are beginning to become more involved in the organization. Ms. McIntosh is a member of the General Aviation committee and prepared a presentation on TIF for a meeting. Mr. Hauser, and Ms. McIntosh attended the 2015 and 2016 AAI Annual Conference.
- Ms. McIntosh, the Director of Operations, became an AAAE Certified Member in 2015 and completed the AAAE Airport Certified Employee – Operations (ACE) program in the fall of 2016.
- AAAE has been a very valuable resource for the airport and staff. A variety of employees have also attended workshops and classes such as Ms. McIntosh attended the AAAE annual conference in Houston, Mr. Baker and two maintenance personnel attended the AAAE Airfield Safety, Sign Systems and Maintenance Management Workshop, Ms. McIntosh attended the AAAE CIP Planning and Finance Workshop, and Business Essentials Workshop.
- Mr. Baker, our Maintenance Manager, attended the Illinois Airport Maintenance Association (IAMA) annual conference in 2015 in Lawrenceville, IL. Then THRA hosted the event in the fall of 2016. Speakers included Nick Isenberg from Woolpert, Mike Buening from INDOT, and Chris Such from the FAA.
- The airport staff and the FAA Control Tower have a very good relationship. They are resources for one another when needed and participate in events for the general aviation community together. A good example is the cooperation that existed to make the THRA C.O.A. come to reality. The FAA Control Tower was instrumental in laying out specifics that would mutually work for both parties and allow the FAA to pass the C.O.A.

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OTHER INITIATIVES

Guiding all of the work of the airport staff is the Terre Haute Regional Airport Authority Board of Directors. Recent appointments by both the Vigo County Commissioners and the Mayor of Terre Haute (each appoint three members) have been good for the rounding out of the board's collective expertise in aviation, financial management, economic development, leadership, and management. The result is a very knowledgeable board who works well with the staff and have a good grasp of the issues and challenges facing the airport and the community.

Master Plan/ALP: The Airport is waiting final FAA approval of the MP and ALP – the first MP and ALP since the early 90's. The MP and ALP reflect major changes in both FAA design standards and the utilization of the Airport. The 90's MP and ALP were predicated on THRA being a cargo hub, as the Airport was at that time the hub for several cargo airlines, as well as the 181st ANG Fighter Wing. The soon-to-be completed MP and ALP presents an entirely different vision for the Airport, with emphasis on revenue diversification, and covering a broad range of aviation and non-aviation related activities, including: flight training, corporate aviation, high-tech manufacturing and machining, warehousing and light manufacturing, aircraft fleet maintenance, Air National Guard and homeland security facilities, and partnerships with local and national universities for the development and implementation of unmanned systems.



- July of 2017 a construction project was started to convert Runway 18-36 into Taxiway F. The main reason for this project is safety. The thresholds of Rwy 18 and the adjacent runway, Rwy 14-32, cross. This creates a hot spot that has caused confusion in the past. In order to prevent an incident, THRA has coordinated with the FAA to determine the best course of action. It was decided to change rwy 18-36 into a taxiway. The Airport is excited about the conclusion of this project, not only does it mean safer operations but also it will allow the Airport to continue development of the West Quad Area. As mentioned earlier, the Airport is currently at maximum capacity in terms of space available.

Figure 27: Plan for converting Runway 18-36 to Taxiway F

CHARITY DONATION

If chosen, the airport would like to make the donation to the ISU flight teams. THRA has developed a good relationship with the Aviation department of Indiana State University (ISU). As such the Airport enjoys assisting students to be enthusiastic about aviation. One such way is to help them to raise funds so that they may attend events such as the National Intercollegiate Flying Association (NIFA) competitions. This competition gives the students real word experience in performing under pressure.





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