

**CHARLOTTE DOUGLAS INTERNATIONAL AIRPORT
AIRPORT ADVISORY COMMITTEE**

**Minutes from the May 7, 2009 meeting
A/B Conference Room
8:00 a.m.**

Present

Dr. Henry Nicholson, Chair
Crystal Jackson, Vice Chair
Todd Fuller
Andrew Riolo
Jeff Hay
Russell McMillan
Joe Carpenter
Stan Vaughan
Shawn Dorsch
Stan Campbell

Staff Present

TJ Orr, Aviation Director
Jennifer Long, Staff Advisor
Erika Helm, Community Outreach Specialist

Absent

William Taylor

1. Call to Order

Chair Dr. Henry Nicholson called the meeting to order at 8:00 a.m.

2. Pledge of Allegiance

3. Approval of the April 2, 2009 Minutes

The minutes were approved as written.

4. Business Agenda

1. Baggage Level Toilet Renovations

Action: Approve a contract with Edison Foard, Inc. in the amount of \$388,000 for restroom renovations at the Airport.

Background:

- On June 25, 2007 Council approved a contract in the amount of \$1,866,000 with Edison Foard, Inc. for construction of eight (8) restroom facilities throughout the terminal.
- On December 10, 2007 Council approved a contract in the amount of \$2,357,000 with Edison Foard, Inc. for the renovation of an additional eight restrooms and to improve the heating, cooling and ventilation system in Concourse C.
- This contract will renovate an additional four restrooms located in the public area of the baggage claim.
- The new design will provide for total reconstruction of the facilities to improve accessibility, layout traffic flow lighting and appearance, and also accommodate the use of restroom attendants for improved customer service.

Small Business Opportunity

Established SBE Goal: 6%

Committed SBE Goal: 0%

Edison Foard, Inc. failed to meet the SBE goal, but earned the required number of Good Faith Effort Points, they achieved 170 GFE points out of the minimum 155 GFE points. After the bid opening Edison Foard, Inc. committed 2.5% (\$3,000) of the total contract amount to the following SBE firm(s): Scott's Painting.

Summary of Bids

Edison Foard, Inc	\$388,000.00
Marand Builders	\$426,203.00
Bowers Group	\$435,800.00
J G Coran Co.	\$455,000.00
Heartland Contracting	\$457,246.00
R J Griffin	\$464,900.00
Book Construction	\$476,534.00
R Black Associates	\$569,900.00

Council Date: May 11, 2009

VOTING:

- Motion for Approval: Carpenter
- Second: Jackson
- All those in Favor: 10
- Opposed: 0

For Information Only: City Council approved the following actions on April 27th.

1. Harlee Avenue Ramp

Action: Award the low bid of \$485,384 by 8 Star Construction Company, Inc for construction of a ramp from Josh Birmingham Parkway to Harlee Avenue.

Background:

- In September 2006, the Airport constructed an on-ramp from Harlee Avenue to Josh Birmingham Parkway to provide better access to the Airport from Wilkinson Boulevard.
- This contract will provide a complimentary ramp from Josh Birmingham Parkway to Harlee Avenue to provide continuity between Billy Graham Parkway and Wilkinson Boulevard.

Small Business Opportunity

Established SBE Goal: 7%

Committed SBE Goal: 7.05%

8 Star Construction Company committed 7.05% (\$34,255) to the following SBE firm(s): ACS Pavement Markings and Stinson Trucking

Summary of Bids:

8 Star Construction, Inc (SBE)	\$485,384.20
Ferebee Corporation	\$485,993.50
Blythe Development Co	\$491,799.60
Baucoms Grading	\$502,297.70
Scurry Construction	\$520,929.95
Boggs Paving	\$537,089.20
D.H. Griffin Infrastructure	\$609,815.45
Rea Contracting	\$622,280.00
United Construction	\$629,713.00
Triangle Grading and Paving	\$657,480.26
Pedulla Trucking	\$680,509.27
Sealand Contractors Corp	\$724,966.60
Blythe Construction	\$741,854.70

Riolo: When you come up that ramp to Harlee, are you going to be able to make a left turn?
Orr: Yes.

2. Airport Drive Relocation

Action: Award the low bid of \$336,880.50 by Blythe Development Company for the reconstruction of Airport Drive.

Background:

- In 2004, a portion of Airport Drive adjacent to the Air National Guard Base was relocated with Department of Defense funds.
- The Utility Department has completed installation of a 72" water line in the next section of Airport Drive and their contract will realign the road, add curb and sidewalk, and repave the road.

Small Business Opportunity

Established SBE Goal: 6%

Committed SBE Goal: 6.37%

Blythe Development Company committed 6.37% (\$21,466) to the following SBE firm(s): HowDel Trucking, Ground Effects, Bullington Construction, and Petra Land Surveying

Summary of Bids:

Blythe Development Company	\$336,880.50
Showalter Construction	\$375,343.50
Ferebee Corporation	\$376,709.50
Boggs Paving	\$368,099.10
Sealand Contractors	\$391,242.25
United Construction	\$387,007.50
Scurry Construction	\$407,729.00
CMI Contracting	\$433,910.50
8 Star Construction (SBE)	\$434,263.00
Blythe Construction Company	\$527,665.00

3. Transportation Electrification Economic Stimulus

Action: Approve participation in an application for federal stimulus grant funding through the U.S. Department of Energy, Recovery Act-Transportation Electrification, for hybrid electric vehicle purchases up to \$4,537,500.

Staff Resources: Robert Phocas, City Attorney's Office
Keith Parker, Transit
Jerry Orr, Aviation

Background:

- As part of Recovery Act-Transportation Electrification, the U.S. Department of Energy is expected to make available approximately \$378 million nationally for projects that promote the development and production of various electric drive vehicle systems that reduce petroleum consumption.
- The University of California, in coordination with DesignLine, a Charlotte bus manufacturer, is taking the lead on the development of an application for the production of 100 hybrid and electric buses.
- The University of California is committing to the purchase of 35 of the 100 buses, and seeks a partnership with other transit providers for participation in the application and commitments for the remaining 65 buses.

- A successful project application would result in stimulation to the local economy.
- The Charlotte Area Transit System (CATS) and Aviation seek to participate in the grant application and to commit to the purchase electric buses under this arrangement (up to ten for CATS and 15 for Aviation).
- Replacing older buses with new hybrid electric buses would have a positive effect on service reliability and a positive effect on the environment.
- CATS and Aviation would be required to provide a local match of 50% or up to \$4,537,500 for up to 15 buses.
- Each DesignLine International hybrid bus costs approximately \$605,000.
- CATS and Aviation have identified existing capital funds for bus replacement that can be used for local match.
- The deadline for the application is May 13, 2009.
- The benefits of hybrid buses based on CATS experience include a 34% improvement in miles per gallon and a 41% decrease in maintenance expenses, on average.
- City Council approved a contract on August 27, 2007 to purchase up to 200 buses from FY2008 through FY2012 from DesignLine International, LLC and/or Gillig Corporation.

Nicholson: Can you explain the differences in these buses and their competition?

Orr: There are several types of hybrid buses and this particular bus is powered by a turbine engine. The turbine engine can actually burn anything that's combustible. We run ours on diesel fuel. It has a 5% carbon footprint. It is very quiet and is built out of composite material, so it is very light. We expect a longer life and we get about twice the fuel mileage. The ones that CATS uses runs on a diesel engine and then the diesel engine also charges batteries, which run the bus some of the time.

Fuller: CATS states that they have been using hybrid buses since 2005?

Orr: That is correct.

Fuller: Have they given any further information as to the source of their capital funding? The action states that Aviation and CATS have identified existing capital funds.

Orr: That's our money. Whatever number of buses we buy, we have approximately \$1.5 million in our capital budget next year set aside to buy new buses. We buy new buses every year. We run around 38 buses. We regularly replace some that are worn out with new buses. We do that on a cash, pay-as-you-go, basis. There is no financing or amortization involved. We can take the \$1.5 million from our budget for next year and use that as our half of the purchase price of the buses, or we can buy twice as many as we expected to buy.

Fuller: What about the maintenance? Is maintenance included in that funding?

Orr: We have our own maintenance staff here at the Airport and they are budgeted staff to maintain all of that equipment.

Fuller: So it's not like the Police?

Orr: It is not like the Police. The issue there is that you get a grant, which enables you to pay somebody for one year or two years, and then when you use up that grant but still have the person and nothing to pay for them with.

Riolo: Has the operation and the maintenance of the hybrid buses been similar to the other buses?

Orr: So far, we have not had to do any significant maintenance on it. It's lower. I can't speak to the life of the bus because we haven't gotten there yet, but the level of maintenance has been very impressive.

Vaughan: On the purchase price, even though we are only paying half price, is that comparable to what we paid originally?

Orr: Yes. That was through bidding. These buses cost about twice of what a comparable diesel bus would cost.

Nicholson: How much?

Orr: When we bought them, I believe it was \$440,000 and that was two years ago. There is a misprint

in the action. There should be five for Aviation and a total of 15. CATS was going to buy ten and use some of their federal grant money to pay their share, and you can't do that. So I think as of now, CATS is out of this deal.

Carpenter: It states that they have a positive impact on the environment. Is that quantifiable?

Orr: Yes, they have a 5% carbon footprint. So you can easily calculate contribution of pollutants and measure against this bus. That's one of the things the University of California will be looking at.

4. Diesel Emissions Economic Stimulus Grant

Action: Approve an application for federal stimulus grant funding through the U.S. Department of Environment & Natural Resources, Air Quality Division, for diesel emission reduction projects up to \$475,000.

Staff Resources: Robert Phocas, City Attorney's Office
Keith Parker, Transit
Jerry Orr, Aviation

Background:

- As part of the American Recovery and Reinvestment Act, the North Carolina State Department of Environment and Natural Resources (DENR) Division of Air Quality was granted \$1.73 million to be used to reduce emissions from diesel engines in North Carolina.
- The bulk of these state funds (\$1.1 million) will be used for projects to reduce mobile emissions from diesel engines.
- DENR's goal is to award funds to projects that maximize efforts to preserve and enhance air quality across the state of North Carolina through the reduction of diesel mobile source emissions.
- The deadline for the application is April 30, 2009.
- Staff has identified two projects to submit for this grant funding:
 - Engine rebuilds for up to 32 CATS buses
 - Retrofit of 21 Aviation vehicles (13 shuttle buses and eight trucks)
- Rebuilding older engines is a practice of the Charlotte Area Transit System that prolongs the life of a bus and reduces capital expenses. CATS has \$250,000 in its budget for FY2010 for engine rebuilds, and this existing budget can be used for the local match to apply for up to \$250,000 in stimulus funding.
- The Aviation vehicles are eligible for diesel particulate filter retrofits. The cost of retrofit technology for these vehicles (\$225,000) is covered at 100% and staff has not identified any long-term maintenance costs with these retrofits.

Vaughan: You said originally that DesignLine was based in New Zealand and now they have a site here locally. Is that just an assembly plant or an actual manufacturing plant?

Orr: I believe that they do actual manufacturing, but I would doubt that they manufacture things like the engine here.

5. Status Reports

1. CATS—West Corridor Update

CATS representatives were late arriving for the meeting, and therefore their presentation was postponed until the June AAC meeting.

2. Wilson Air Center

Aviation International News FBO Survey

- Wilson Air Center-CLT was featured in the Aviation International News (AIN) 2009 FBO Survey; last year's 2008 survey was the first time Wilson Air Center-CLT was included in the survey.

- This year's survey ranked Wilson Air Center-CLT as the 14th Best FBO in the Americas, including the Caribbean. Last year, Wilson Air Center-CLT was ranked 25th.
- The survey focused on an FBO's line service, passenger amenities, pilot amenities and facilities.
- Each member received a copy of the survey results.

Professional Pilot Magazine

- The Wilson Air Center Chain was recently voted as the #2 Corporate Aviation Support Facility, (FBO) in *Professional Pilot* magazine's 2009 Preferences Regarding Aviation Services and Equipment (PRASE) survey.
- Wilson Air Center-CLT was ranked #16 overall in the PRASE survey.
- The magazine's subscribers ranked their favorite FBO selections by writing scores within six categories: Line Team, Customer Service Representatives, Facilities, Amenities, Promptness & Efficiency and Value for Cost.
- To qualify for ranking in the survey, a facility needed to receive a minimum of 30 votes.
- Each member received a copy of the survey results.

Riolo: I was out at Wilson on Tuesday afternoon for the PGA tournament for the arrivals and then again on Sunday night for the departures. It is really great to see something work the way it should. It was great to see Tiger Woods land, get off the Net Jet, go and check-in at the counter which was outside, and then get in his car, all within four minutes. The exodus on Sunday night was very similar and a quick process. On top of that, they still managed to work-in the normal passenger traffic without any delays. I am really happy with what Wilson did over that weekend.

Orr: That type of service, all day every day, is what gets you featured in these surveys. They brought people in from their other FBO locations so that they were prepared.

Riolo: The staff is really nice also. I took my kids out on the ramp when Tiger Woods and Phil Nicholson arrived and they were very helpful with arranging for that.

Fuller: Is the survey itself just sent out to professional pilot groups?

Orr: I believe the article is in the magazine itself.

Fuller: Okay, I had just wondered if they put it out through AOPA as well.

3. NCANG Tour

At the end of the meeting, committee members received a 30-minute tour of the North Carolina Air National Guard base, located on the east side of the Airport complex.

6. Director's Report

1. Nonstop Service to Paris Begins

- US Airways resumed nonstop service to Paris on April 21. The CLT-Paris route was previously operated by US Airways from April 13, 2000 - Oct. 7, 2001.
- An "Inaugural Event" was held prior to the flights first departure on Concourse D.
- Guest speakers included C.A. Howlett of US Airways and Charlotte Mayor Pat McCrory.
- The Paris flight flies daily on a Boeing 767 aircraft with seating for 18 in business class and 186 in the main cabin. The seasonal summer service to the City of Lights is scheduled to operate through October 24.

2. Airport Wins Green Award from Business Journal

- CLT won the *Charlotte Business Journal's* Green Government Action Program of the Year on April 15 during a special ceremony held at the Charlotte Convention Center.
- Currently, CLT recycles everything from scrap metal to oil filters to coffee grounds (recycled coffee grounds have been recently used at the Airport to assist with ant control by pouring the used grounds on fire ant mounds).
- In the fall of 2008, the Airport placed 60 recycle bins throughout the terminal to collect paper and plastic from passengers. HMSHost bars, restaurants and stores have even joined CLT's environmental efforts by recycling alcohol bottles and unsold newspapers.

- Recently during the renovations of restrooms, CLT installed water saving devices, energy saving lamps and sensory operated water controls as part of the upgrades. Airport vehicles also are playing a role in CLT's green efforts.
- Within the past two years, the Airport has purchased two hybrid buses, one Ford Escape hybrid and two electric vehicles.
- In 2008, the Airport recycled 396 tons of mixed paper and cardboard, reducing our landfill waste by approximately 2 to 3 percent.
- Future environmental efforts include recycling shrink wrap, broadening recycling partnerships with airlines and expanding concession recycling.

3. NCAA Conference

- Held last week in Concord.
- Attended by:
 - Dr. Henry Nicholson
 - Joe Carpenter
 - Shawn Dorsch
 - Todd Fuller
 - Russ McMillan

Dorsch: I think this conference was a great opportunity to learn more about airports in NC.

Nicholson: I agree, although I didn't feel that most of the meetings related to us, but it was nice to be there and associate with the other airports in NC.

Dorsch: I would also like to add that our Airport made a great presentation on recycling. I thought it was well done.

Nicholson: It was a good meeting and very interesting.

Meeting adjourned at 8:30 a.m. and was followed by a 30-minute tour of the NCANG.



 T. J. Orr, Aviation Director

Distribution:

Mayor & City Council

Curt Walton, City Manager

Stephanie Kelly, City Clerk

Ronnie Bryant, President/CEO, Charlotte Regional Partnership

Bob Morgan, Charlotte Chamber