



Commonwealth of Massachusetts

NORWOOD AIRPORT COMMISSION

Mark P. Ryan, *Chairman*

Michael Sheehan, *Vice Chairman*

John J. Corcoran

NORWOOD AIRPORT COMMISSION

POSTING

NOTICE IS HEREBY GIVEN THAT A PUBLIC MEETING OF THE NORWOOD AIRPORT COMMISSION WILL BE HELD:

DATE: Wednesday, November 20, 2019
TIME: 3:30 p.m.
PLACE: Norwood Town Hall, Finance Commission Meeting Room
566 Washington Street
Norwood, MA 02062

2019 NOV 15 AM 8:13
TOWN OF NORWOOD
RECEIVED
TOWN CLERK'S OFFICE

The Chair reserves the right to call items on the agenda out of order. The listing of matters is those reasonably anticipated by the Chair which may be discussed at the meeting at least forty-eight (48) hours prior to the meeting. Not all items listed may in fact be discussed and other items not listed may also be brought up for discussion to the extent permitted by law. Items listed for executive session may be discussed in open session, in addition to or in lieu of discussion in executive session.

MEETING AGENDA

1. PROJECTS

- AIP project update: *DuBois & King*

2. MINUTES

- 10/9/19 regular business meeting

3. AIRPORT MANAGER'S REPORT

4. OLD BUSINESS

5. NEW BUSINESS

- West apron lease offer to *Boston Executive Helicopters*
- DC-3 apron lease offer to *Boston Executive Helicopters*
- Draft letter request to FAA for removal of taxi-lane object-free area (TOFA), gate 3 taxi-lane
- *Above the Clouds* special event, proposal
- MassDOT payment requests: fit-out of airport administration building

6. CORRESPONDENCE:

- 11-20-19 draft letter from M. Ryan, of NAC, to G. Lattrell, of FAA, re: support for BEH letter/petition for TOFA/OFA relief, on gate 3 taxi-lane
- November 2019 issue, Norwood Local Town Pages
- 11-12-19 letter from M. Oberstein, of *Above the Clouds*, to R. Maguire, re: proposed event
- 10-25-19 letter from D. Stahley, of I.W. Harding, to J. Adler, of *DuBois & King*
- 10-18-19 letter from J. Adler, of *DuBois & King*, to J. Shalek, of *I.W. Harding Construction Co.*, re: default on project bond
- 10-15-19 letter, assented to request for extension of time to file corrective action plan, submitted by NAC through Town Counsel, to FAA; docket no. 16-15-05
- 10-10-19 general release of all claims: Town of Norwood and Norwood Airport Commission v. Donald Quinn
- 10-15-19 application for assistance (post-construction monitoring, years 1 and 2) to MassDOT/Aeronautics, from NAC
- 10-15-19 application for assistance (wildlife fence, phase 1/obstruction removal) to MassDOT/Aeronautics, from NAC
- 10-15-19 application for assistance (environmental assessment, phase 1) to MassDOT/Aeronautics, from NAC

7. EXECUTIVE SESSION

- N/A

**AIRPORT COMMISSION MEETING
REGULAR BUSINESS MEETING
October 9, 2019**

DRAFT ONLY

In Attendance:

Commissioners: Mark Ryan, Chairman; Michael Sheehan, John Corcoran, Russ Maguire, Airport Manager

Meeting Called to Order: 4:00 PM

NCM, Matt MacDonald of the Norwood Record and Chris Donovan of Boston Executive Helicopter are recording this meeting.

PROJECTS

- Technical Master Plan, Jeff Adler, DuBois & King
Comments have been received from FAA on the final draft. Waiting for comments from MassDOT, which should be received before next month's meeting. By the next NAC meeting in November, should be able to schedule a public meeting presenting the final document.
- Taxiway A Relocation, Jeff Adler, DuBois & King
Taxiway D will be completed as part of another project, so now moving forward with close out paperwork for Taxiway A. Mr. Adler has an engineering amendment and a supplemental agreement for MassDOT for a change to scope, which reduces the contract value. The net is \$30,678 reduction in engineering costs.

On a motion by Mr. Sheehan and seconded by Mr. Corcoran, the Commission voted 3/0 to accept Contract Amendment No. 3 which reduces engineering fee from \$483,004 to \$452,326.

MINUTES

- September 12, 2019 Regular Business Meeting

On a motion by Mr. Sheehan and seconded by Mr. Corcoran, the Commission voted 3/0 to approve the minutes.

AIRPORT MANAGER'S REPORT

- Mr. Maguire discussed the Airport Manager's Report.

On a motion by Mr. Sheehan and seconded by Mr. Corcoran, the Commission voted 3/0 to approve the Airport Manager's Report.

NEW BUSINESS

- Flight Level special event, proposal
Flight Level submitted a detail package requesting consent to host a promotional event at the Norwood Memorial Airport on Saturday, October 12, 2019. The purpose of the event is to showcase the offerings of Flight Level and the airport. Nick Burlingham of Flight Level discussed the event.

On a motion by Mr. Sheehan and seconded by Mr. Corcoran, the Commission voted 3/0 to approve Flight Level's special event.

- Amendment #3 and MassDOT supplemental agreement #3, taxiway A
- MassDOT payment requests: fit-out of airport administration building
On a motion by Mr. Sheehan and seconded by Mr. Corcoran, the Commission voted 3/0 to approve pay request in the amount of \$311,939.89. This includes the following invoices: Tower Construction, \$305,005.49; Pathfinder Tree, \$1815; Fences by Mark Williams, \$1,500; and Galaxy Integrated Technologies, \$3,619.40. The State's share is \$296,342.90; the Town's share is \$15,596.99.
- Mr. Donovan of BEH requested to appear before the Commission, the agenda was already established, but Mr. Ryan offered Mr. Donovan the opportunity to give an update on the FBO. Mr. Donovan is waiting on the leases.

CORRESPONDENCE

- 9-23-19 Notice of withdrawal of appearance in the matter of Boston Executive Helicopters, LLC (BEH) v Town of Norwood and Norwood Airport Commission (NAC); FAA Docket No. 16-15-05
On a motion by Mr. Sheehan and seconded by Mr. Corcoran, the Commission voted 3/0 to file the correspondence.
- 9-19-19 Special event request, with supporting documents, from Flight Level to the NAC
- 9-19-19 order terminating appeal, from D. Kirk Shaffer, of FAA headquarters, to the NAC, in the matter of BEH v. Town of Norwood and NAC
On a motion by Mr. Sheehan and seconded by Mr. Corcoran, the Commission voted 3/0 to file the correspondence.
- 9-13-19 notice of withdrawal of appeal from Town Counsel, on behalf of the Town of Norwood and NAC, to FAA headquarters, in the matter of BEH and the NAC
On a motion by Mr. Sheehan and seconded by Mr. Corcoran, the Commission voted 3/0 to file the correspondence.
- 9-12-19 stipulation of dismissal with prejudice, submitted by attorneys for both the plaintiff (BEH) and defendants (Town of Norwood, NAC), to U.S. District Court, in the matter of BEH vs. Francis T. Maguire, et al.
On a motion by Mr. Sheehan and seconded by Mr. Corcoran, the Commission voted 3/0 to file the correspondence.

On a motion by Mr. Sheehan and seconded by Mr. Corcoran, the Commission voted by roll call to adjourn for the purposes of Executive Session for Purpose 3 for executive session to discuss strategy with respect to litigation if in open meeting may have a detrimental effect on the litigating position of the Norwood Airport Commission: (1) Boston Executive Helicopters, LLC v. Town of Norwood et al., and (2) Boston executive Helicopters v Norwood Airport Commission and also to vote on Executive Session Meeting minutes of September 12, 2019 and January 16, 2019 and to return to public session for purposes of adjournment.

Mr. Corcoran: Yes

Mr. Sheehan: Yes

Mr. Ryan: Yes

Adjourned for the purposes for Executive Session at 4:17 p.m.

The Commission returned to Open Session at 4:21 p.m.

On a motion by Mr. Sheehan and seconded by Mr. Corcoran, the Commission voted 3/0 to adjourn the meeting.

The minutes of the NAC will be published on the Town Website.

MEETING ADJOURNED: 4:21 PM

Norwood Memorial Airport... A vibrant economic engine for the Town

By DONNA LANE

Most Norwood residents know that our Town has an airport, but how many of us know the history of the airport ... or the services it provides ... how it impacts our community ... or how it operates?

In 1942, the federal government built the Norwood airport, originally called Outlying Landing Field, Norwood, to support the war effort by providing the Squannam Naval Air Station, located in nearby Quincy with a facility where its student pilots could practice take-offs and landings during World War II. The completed facility included two 4,000 ft runways on 450 acres.

At the end of the war, the government relinquished ownership of the airports it considered "surplus," giving Norwood the opportunity to acquire it. In May of 1946, Town Meeting officially voted to take over the airport from the Navy.

Since 1946, Norwood Memorial Airport has been designated as

a "public-use" airport. There are 39 in the state.

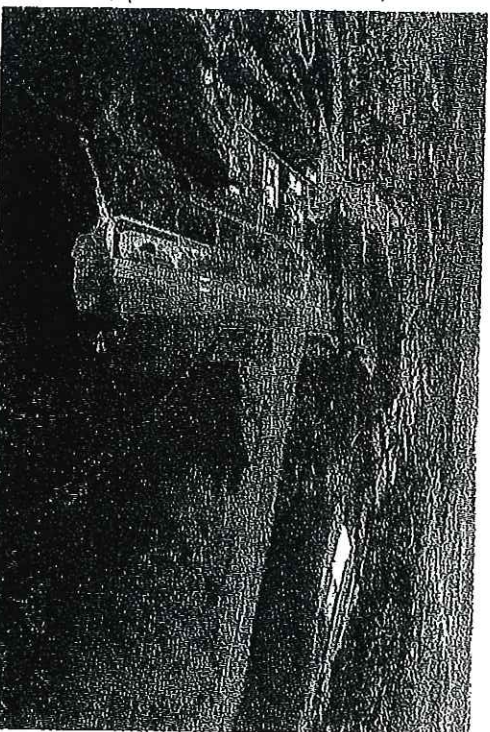
"Pilots, government agencies, and many private businesses from around the United States and Canada use our facility 24/7, 365 days a year." Airport Manager Russ Maguire said. "It's one of the busiest public-use airports in the Commonwealth. Very few towns have an airport like Norwood's. And while our airport isn't certified for commercial service, several on-site commercial aviation businesses provide charter services."

Norwood Airport provides important services to the community in six major areas:

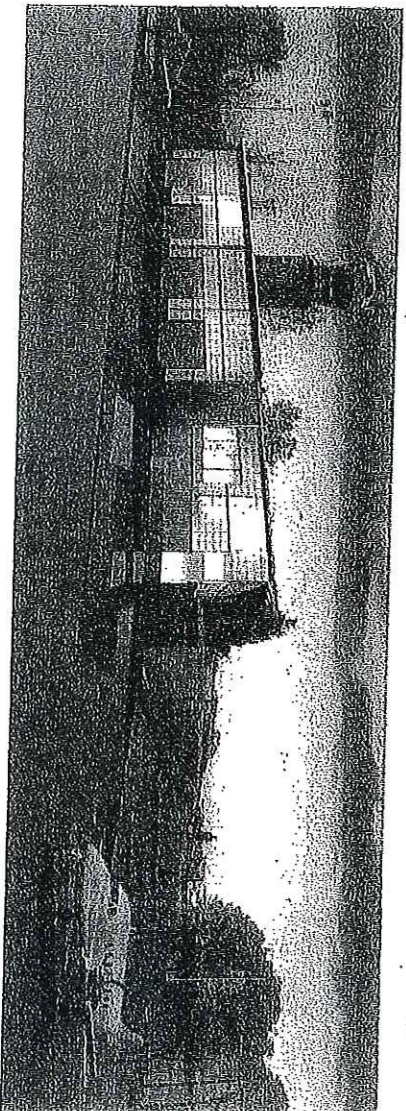
- Corporate, charter and personal transport, flight training, aircraft fueling, and maintenance
- Medical evacuations (often coordinated through the Norwood Fire Department); organ donor flights
- Law enforcement, military and homeland security support
- Public safety, including weather-reporting, aerial mosquito control, pipeline patrol
- Electronic newsgathering, aerial photography
- U.S. Department of Defense, research and development/ service support

On average, our airport accommodates about 60,000 take-offs and landings each year. As the Norwood area has continued to develop into a regional business center, there has been a shift from predominantly flight training activity to a greater percentage of corporate aviation activity. There is still room to grow!

Today's airport encompasses about 680 acres, some of it within a sensitive wetland area, floodway and floodplain zone. An airport master plan, was completed in 2007, which updated the plan submitted 35 years prior. A 2019



Photos: aerial view of the Norwood Airport, the Welch building



Master Plan has been developed which updates the 2007 plan to more accurately reflect current conditions and needs and to recognize changes in aviation forecasts over the past decade. It is currently being vetted by the Fed-

eral Aviation Administration.

There are a number of capital improvements recommended in the new plan that are sensitive to the airport's environmental setting as well as the impact such

improvements will make on airport use and its financial growth. The plan is on the Town's website (www.norwoodma.gov/department-aviation)

AIRPORT

Continued from page 4

ments/airport and is an interesting and informative look at the airport's constraints, opportunities, and significant potential.

Currently, the main runway is 4,007 feet long and 100 feet wide. It has approach lighting and

precision path indicator systems that help guide pilots in. It also has a localizer approach system for navigation and instrument approaches. This is the primary runway which is used night and day. The Master Plan sets out a number of compelling reasons for recommending this runway be increased to 5,001 feet. Mainly, this runway's weight bearing capacity is designed to accommodate large

aircraft... however, the length of the runway... is insufficient for the [large] aircraft at those weights." The same conclusion was reached in the 2007 plan along with justification for expanding the runway.

The 2007 Master Plan update did a detailed inventory of the airport's snow removal and airfield maintenance equipment and building needs. In the process, it determined that the airport also

needed administration and security facilities, a public meeting space and a terminal for general aviation passengers and pilots.

In April of this year, the Norwood Airport Commission approved a grant offer from the Massachusetts Department of Transportation (MassDOT) to fund most of the build-out (95%) of an approximately 6,000 square foot building completed in 2007 -- a two-story shell fitted into the tarmac side of the hill overlooking the two runways. The building has been used as a storage facility for snow removal and landscaping equipment.

The build-out includes a 2,000 square foot mezzanine level for airport management and commission offices, a conference room, and a records library.

The Town has been renting space for the airport's management and commission offices. Maguire estimated that the move would save the Town about \$23,000 a year in rent while providing more room for their needs.

Directly beneath the mezzanine is a mechanic's office and shops as well as an equipment maintenance area. The remaining 4,000 square feet will continue to be used for equipment storage.

In May of this year, the building was dedicated in honor of Major Mark C. Welch and renamed the Maj. Mark Welch Administration Building. Move-in for the management team is imminent, pending completion of their punch list and several sign-offs.

A two-man staff manages Norwood Airport Manager, Russ Maguire, and Assistant Manager, Mark Raymond. Both men have been with the municipal department since its inception in 1999.

(Prior to 1999, Maguire served as a contractor to the Town for his management services.)

The airport management team reports to a five-member volunteer Airport Commission led by Chairman Mark Ryan and Vice Chair Michael Sheehan.

The airport department receives its operating budget via an appropriation from Town Meeting. During the fiscal year, the airport receives revenue from land leases, to aviation and non-aviation businesses, aircraft tie-down leases, fuel fees, jet fuel taxes, payments in lieu of taxes, and permit and badging fees. These revenues are returned to the Town's General Fund.

Norwood and other general aviation public-use airports generate money not only through its direct services, but also via visitors who spend money for food, lodging, retail purchases, recreation and ground transportation, all of which drive growth in local and regional economies.

MassDOT estimates that for every \$100 spent by aviation-related businesses, an additional \$56 is created as a multiplier impact that boosts spending, payroll and employment benefits improving the quality of life in Massachusetts for all its residents.

An independent MassDOT 2018 study determined that Norwood Airport today provides annual economic returns of more than \$59 million -- representing a 13% increase in total economic activity from five years ago.

"Our airport remains one of the state's most vital air transportation hubs," Maguire said. "It is not only a great public service resource, it is also a vibrant economic engine for the Town."



Charles D. Baker, Governor
Karyn E. Pollto, Lieutenant Governor
Stephanie Pollack, Secretary & CEO
Jeffrey DeCarlo, Administrator



Application for Assistance

1. DATE SUBMITTED: October 2019		AIRPORT: Norwood	
<input type="checkbox"/> APPLICATION	<input checked="" type="checkbox"/> CONSTRUCTION	CITY: Norwood	
<input checked="" type="checkbox"/> PRE APPLICATION	<input type="checkbox"/> PLANNING	<input checked="" type="checkbox"/> PUBLIC	<input type="checkbox"/> PRIVATE
MASSACHUSETTS AIRPORT SYSTEM PLAN (MASP) AIRPORT RANKING:			
AIRPORT CONSULTANT: DuBois & King, Inc.			
CONGRESSIONAL DISTRICT: 9 th Congressional District			

2. PROJECT TITLE: Wildlife/Perimeter Fence Phase 1/Obstruction Removal

PROJECT DESCRIPTION

This project involves the replacement of wildlife/perimeter fence around the airport. The existing fence is over 20 years old and has been severely damaged during flood events and is no longer secure. The recent wildlife hazard assessment documented that the damaged fence has allowed animals to enter the airport causing a wildlife hazard concern. Phase 1 will replace approximately 10,000 LF of fence.

In addition, existing obstructions to the runway approach surface will be cleared.

Attach an 8.5 x 11" sketch showing the location of the project

3. PROJECT COST BREAKDOWN				
	AIP ELIGIBLE	ASMP ELIGIBLE	INELIGIBLE	TOTAL
ENGINEERING	\$170,000.00			\$170,000.00
CONSTRUCTION	\$625,000.00			\$625,000.00
EQUIPMENT				
OTHER				122,636.00
ADMINISTRATION	\$5,000.00			\$5,000.00
TOTAL PROJECT COST	\$800,000.00			\$800,000.00

4. PROJECT FUNDING BREAKDOWN				
	AIP ELIGIBLE	ASMP ELIGIBLE	INELIGIBLE	TOTAL
FAA SHARE	\$720,000.00			\$720,000.00
LOCAL SHARE	\$40,000.00			\$40,000.00
STATE SHARE	\$40,000.00			\$40,000.00
TOTAL PROJECT COST	\$800,000.00			\$800,000.00

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East Boston, MA 02128

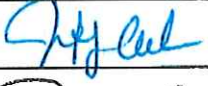


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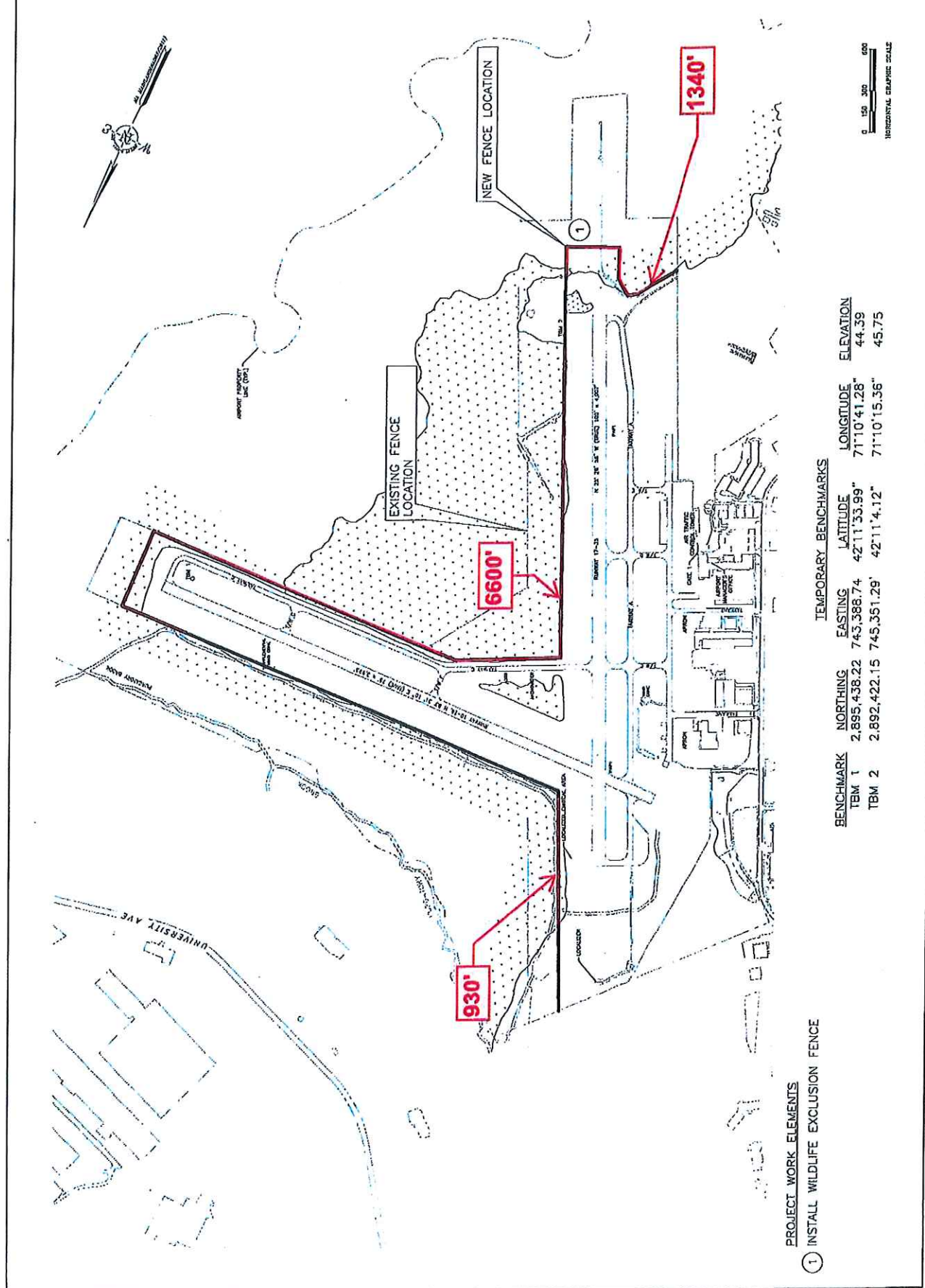
5. PROJECT SCHEDULE:						
START DATE: 7/20				COMPLETION DATE: 12/20		
6. PROJECT COST EXPENDITURE SCHEDULE						
CALENDAR YEAR	FISCAL YEAR	QUARTER	FAA	LOCAL	STATE	TOTAL
2020	FY 21	July - Sept.	\$648,000.00	\$36,000.00	\$36,000.00	\$720,000.00
2020	FY 21	Oct. - Dec, Jan - March	\$72,000.00	\$4,000.00	\$4,000.00	\$80,000.00
		April - June				

7. OTHER INFORMATION	YES	NO	N/A
IS PROJECT REFLECTED IN STATE CAPITAL IMPROVEMENT PROGRAM (CIP)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IS PROJECT REFLECTED IN FEDERAL CAPITAL IMPROVEMENT PROGRAM (CIP)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IS PROJECT REFLECTED IN AIRPORT MASTER PLAN (AMP)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IS PROJECT REFLECTED IN AIRPORT LAYOUT PLAN (ALP)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DOES PROJECT CORRECT INSPECTION DEFICIENCY?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

8. SPONSOR CERTIFICATIONS	YES	NO	N/A
1. SPONSOR WILL COMPLY/ HAS COMPLIED WITH THE MASSACHUSETTS GENERAL LAWS FOR THE PROCUREMENT OF GOODS AND SERVICES.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. SPONSOR WILL OBTAIN/ HAS OBTAINED ALL ENVIRONMENTAL PERMITS FOR THE PROJECT.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. SPONSOR WILL MEET/ HAS MET M/W/DBE REQUIREMENTS FOR THE PROJECT. ENTER ANTICIPATED % M/W/DBE PARTICIPATION: <u>4.4%</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. SPONSOR WILL ASSURE/ HAS ASSURED THAT ALL NECESSARY SAFETY PRECAUTIONS HAVE BEEN TAKEN FOR CONSTRUCTION ON THE AIRPORT.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. SPONSOR WILL NOTIFY/ HAS NOTIFIED ALL AIRPORT USERS OF PROPOSED PROJECT.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. SPONSOR WILL HAVE/ DOES HAVE AVAILABLE FUNDS FOR LOCAL SHARE OF PROJECT.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. TITLE	SIGNATURE	DATE
AIRPORT CONSULTANT		10/8/18
AIRPORT MANAGER		10-10-19
AIRPORT COMMISSION CHAIRMAN		10.10.19
MASSDOT - AERONAUTICS DIVISION DIRECTOR OF AVIATION PLANNING		
MASSDOT - AERONAUTICS DIVISION DIRECTOR OF AIRPORT ENGINEERING		
MASSDOT - AERONAUTICS DIVISION ADMINISTRATOR		

10. MASSDOT - AERONAUTICS DIVISION COMMENTS



PROJECT WORK ELEMENTS
 ① INSTALL WILDLIFE EXCLUSION FENCE

TEMPORARY BENCHMARKS

BENCHMARK	NORTHING	EASTING	LATITUDE	LONGITUDE	ELEVATION
TBM 1	2,895,438.22	743,386.74	42°11'33.99"	71°10'41.28"	44.39
TBM 2	2,892,422.15	745,351.29	42°11'4.12"	71°10'15.36"	45.75



Charles D. Baker, Governor
Karyn E. Polito, Lieutenant Governor
Stephanie Pollack, Secretary & CEO
Jeffrey DeCarlo, Administrator



Application for Assistance

1. DATE SUBMITTED: October 2019		AIRPORT: Norwood	
<input type="checkbox"/> APPLICATION	<input type="checkbox"/> CONSTRUCTION	CITY: Norwood	
<input checked="" type="checkbox"/> PRE APPLICATION	<input checked="" type="checkbox"/> PLANNING	<input checked="" type="checkbox"/> PUBLIC	<input type="checkbox"/> PRIVATE
MASSACHUSETTS AIRPORT SYSTEM PLAN (MASP) AIRPORT RANKING:			
AIRPORT CONSULTANT: DuBois & King, Inc.			
CONGRESSIONAL DISTRICT: 9 th Congressional District			

2. PROJECT TITLE: Environmental Assessment Phase I PROJECT DESCRIPTION

The project involves the preparation of an environmental assessment for the proposed relocation of Taxiway C (200' x 35') to eliminate a direct connection from an apron to a runway and the addition of two paved safety areas (300'x75') for Runway 17-35.

Phase I of the project will require an Environmental Assessment under the National Environmental Policy Act (NEPA), an Environmental Notification form and Draft and Final Environmental Impact Reports (EIR) under the Massachusetts Environmental Policy Act (MEPA)

Design plans and engineering necessary as part of the EA process include preliminary safety area/taxiway plans, profiles, grading limits, conceptual stormwater, floodplain mitigation and wetland mitigation area design.

Attach an 8.5 x 11" sketch showing the location of the project

3. PROJECT COST BREAKDOWN

	AIP ELIGIBLE	ASMP ELIGIBLE	INELIGIBLE	TOTAL
ENGINEERING	\$395,000.00			\$395,000.00
CONSTRUCTION				
EQUIPMENT				
OTHER				
ADMINISTRATION	\$5,000.00			\$5,000.00
TOTAL PROJECT COST	\$400,000.00			\$400,000.00

4. PROJECT FUNDING BREAKDOWN

	AIP ELIGIBLE	ASMP ELIGIBLE	INELIGIBLE	TOTAL
FAA SHARE	\$360,000.00			\$360,000.00
LOCAL SHARE	\$20,000.00			\$20,000.00
STATE SHARE	\$20,000.00			\$20,000.00
TOTAL PROJECT COST	\$400,000.00			\$400,000.00

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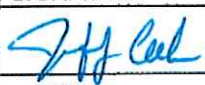


Tel: 617-412-3680, TTY: 857-368-0655

www.mass.gov/massdot

5. PROJECT SCHEDULE:			COMPLETION DATE: 6/21			
START DATE: 7/20						
6. PROJECT COST EXPENDITURE SCHEDULE						
CALENDAR YEAR	FISCAL YEAR	QUARTER	FAA	LOCAL	STATE	TOTAL
2020	FY 21	July - Sept.	\$90,000.00	\$5,000.00	\$5,000.00	\$100,000.00
2020	FY 21	Oct. - Dec.	\$90,000.00	\$5,000.00	\$5,000.00	\$100,000.00
2021	FY 21	Jan - March	\$90,000.00	\$5,000.00	\$5,000.00	\$100,000.00
2021	FY 21	April - June	\$90,000.00	\$5,000.00	\$5,000.00	\$100,000.00

7. OTHER INFORMATION	YES	NO	N/A
IS PROJECT REFLECTED IN STATE CAPITAL IMPROVEMENT PROGRAM (CIP)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IS PROJECT REFLECTED IN FEDERAL CAPITAL IMPROVEMENT PROGRAM (CIP)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IS PROJECT REFLECTED IN AIRPORT MASTER PLAN (AMP)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IS PROJECT REFLECTED IN AIRPORT LAYOUT PLAN (ALP)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DOES PROJECT CORRECT INSPECTION DEFICIENCY?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

8. SPONSOR CERTIFICATIONS	YES	NO	N/A
1. SPONSOR WILL COMPLY/ HAS COMPLIED WITH THE MASSACHUSETTS GENERAL LAWS FOR THE PROCUREMENT OF GOODS AND SERVICES.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. SPONSOR WILL OBTAIN/ HAS OBTAINED ALL ENVIRONMENTAL PERMITS FOR THE PROJECT.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. SPONSOR WILL MEET/ HAS MET M/W/DBE REQUIREMENTS FOR THE PROJECT. ENTER ANTICIPATED % M/W/DBE PARTICIPATION: <u>4.4%</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. SPONSOR WILL ASSURE/ HAS ASSURED THAT ALL NECESSARY SAFETY PRECAUTIONS HAVE BEEN TAKEN FOR CONSTRUCTION ON THE AIRPORT.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. SPONSOR WILL NOTIFY/ HAS NOTIFIED ALL AIRPORT USERS OF PROPOSED PROJECT.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. SPONSOR WILL HAVE/ DOES HAVE AVAILABLE FUNDS FOR LOCAL SHARE OF PROJECT.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. TITLE	SIGNATURE	DATE
AIRPORT CONSULTANT		10/8/19
AIRPORT MANAGER		10-10-19
AIRPORT COMMISSION CHAIRMAN		10-10-19
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10. MASSDOT - AERONAUTICS DIVISION COMMENTS



Charles D. Baker, Governor
Karyn E. Polito, Lieutenant Governor
Stephanie Pollack, Secretary & CEO
Jeffrey DeCarlo, Administrator,



Application for Assistance

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MASSACHUSETTS AIRPORT SYSTEM PLAN (MASP) AIRPORT RANKING:			
AIRPORT CONSULTANT: DuBois & King, Inc.			
CONGRESSIONAL DISTRICT: 9 th Congressional District			

2. PROJECT TITLE: Post Construction Monitoring (Years 1 and 2)

PROJECT DESCRIPTION

This project will provide Environmental Monitoring services during the post-construction phase (years 1 and 2) of the Norwood Memorial Airport Taxiway A Relocation project. Monitoring and invasive species control measures are specifically required by the Massachusetts Department of Environmental Protection ("MassDEP") and Natural Heritage and Endangered Species Program ("NHESP") for a period of five years before a request for a Certificate of Compliance can be made. This scope of work addresses the first two years of monitoring and reporting as required by the Variance Order of Conditions

Attach an 8.5 x 11" sketch showing the location of the project

3. PROJECT COST BREAKDOWN

	AIP ELIGIBLE	ASMP ELIGIBLE	INELIGIBLE	TOTAL
ENGINEERING	\$80,000.00			\$80,000.00
CONSTRUCTION				
EQUIPMENT				
OTHER				
ADMINISTRATION	\$5,000.00			\$5,000.00
TOTAL PROJECT COST	\$85,000.00			\$85,000.00

4. PROJECT FUNDING BREAKDOWN

	AIP ELIGIBLE	ASMP ELIGIBLE	INELIGIBLE	TOTAL
FAA SHARE	\$76,500.00			\$76,500.00
LOCAL SHARE	\$4,250.00			\$4,250.00
STATE SHARE	\$4,250.00			\$4,250.00
TOTAL PROJECT COST	\$85,000.00			\$85,000.00

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East Boston, MA 02128

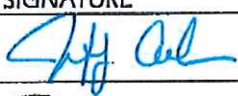


Tel: 617-412-3680, TTY: 857-368-0655

www.mass.gov/massdot

5. PROJECT SCHEDULE:						
START DATE: 7/20				COMPLETION DATE: 7/22		
6. PROJECT COST EXPENDITURE SCHEDULE						
CALENDAR YEAR	FISCAL YEAR	QUARTER	FAA	LOCAL	STATE	TOTAL
2020	FY 21	July - Sept.	\$13,500.00	\$750.00	\$750.00	\$15,000.00
2020	FY 21	Oct. - Dec.	\$13,500.00	\$750.00	\$750.00	\$15,000.00
2021	FY 21	Jan - March	\$13,500.00	\$750.00	\$750.00	\$15,000.00
2021	FY 21	April - June	\$13,500.00	\$750.00	\$750.00	\$15,000.00

7. OTHER INFORMATION	YES	NO	N/A
IS PROJECT REFLECTED IN STATE CAPITAL IMPROVEMENT PROGRAM (CIP)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IS PROJECT REFLECTED IN FEDERAL CAPITAL IMPROVEMENT PROGRAM (CIP)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IS PROJECT REFLECTED IN AIRPORT MASTER PLAN (AMP)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IS PROJECT REFLECTED IN AIRPORT LAYOUT PLAN (ALP)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DOES PROJECT CORRECT INSPECTION DEFICIENCY?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

8. SPONSOR CERTIFICATIONS	YES	NO	N/A
1. SPONSOR WILL COMPLY/ HAS COMPLIED WITH THE MASSACHUSETTS GENERAL LAWS FOR THE PROCUREMENT OF GOODS AND SERVICES.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. SPONSOR WILL OBTAIN/ HAS OBTAINED ALL ENVIRONMENTAL PERMITS FOR THE PROJECT.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. SPONSOR WILL MEET/ HAS MET M/W/DBE REQUIREMENTS FOR THE PROJECT. ENTER ANTICIPATED % M/W/DBE PARTICIPATION: <u>4.4%</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. SPONSOR WILL ASSURE/ HAS ASSURED THAT ALL NECESSARY SAFETY PRECAUTIONS HAVE BEEN TAKEN FOR CONSTRUCTION ON THE AIRPORT.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. SPONSOR WILL NOTIFY/ HAS NOTIFIED ALL AIRPORT USERS OF PROPOSED PROJECT.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. SPONSOR WILL HAVE/ DOES HAVE AVAILABLE FUNDS FOR LOCAL SHARE OF PROJECT.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. TITLE	SIGNATURE	DATE
AIRPORT CONSULTANT		10/8/19
AIRPORT MANAGER		10-10-19
AIRPORT COMMISSION CHAIRMAN		10.10.19
MASSDOT - AERONAUTICS DIVISION DIRECTOR OF AVIATION PLANNING		
MASSDOT - AERONAUTICS DIVISION DIRECTOR OF AIRPORT ENGINEERING		
MASSDOT - AERONAUTICS DIVISION ADMINISTRATOR		

10. MASSDOT - AERONAUTICS DIVISION COMMENTS

UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

In the Matter of:

Docket No.: 16-15-05

Boston Executive Helicopters and
Norwood Airport Commission

Norwood, Massachusetts

**ASSENTED TO REQUEST FOR EXTENSION OF TIME TO FILE
CORRECTIVE ACTION PLAN**

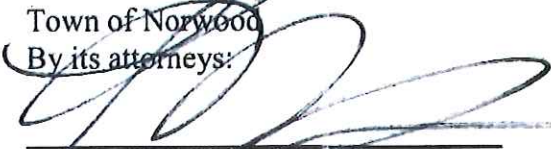
The Town of Norwood and the Norwood Airport Commission (collectively "Commission") respectfully request an additional 30 days, from October 19, 2019, until November 18, 2019, in which to file the Corrective Action Plan as required by the November 30, 2019 Director's Determination in this matter. The additional time is required so that the parties, the Commission and Boston Executive Helicopters ("BEH"), can continue to work towards filing a Joint Corrective Action Plan, as set forth in the Settlement Agreement of the federal court litigation between the parties.

BEH assents to this request.

Respectfully submitted,

The Norwood Airport Commission and the
Town of Norwood

By its attorneys:



Karis L. North, BBO# 648998

knorth@mhtl.com

Kevin Freytag, BBO# 667860

kfreytag@mhtl.com

Murphy, Hesse, Toomey & Lehane, LLP

300 Crown Colony Drive, Suite 410

P.O. Box 9126

Quincy, MA 02269-9126

(617) 479-5000

Dated: October 15, 2019



October 18, 2019

**BY CERTIFIED MAIL
(Return Receipt requested)
AND FIRST CLASS MAIL**

James Shalek, President
David Stahley, Project Manager
I.W. Harding Construction Co., Inc.
354 Pleasant Street
West Bridgewater, MA

Fidelity and Deposit Company of Maryland
1299 Zurich Way, 5th Floor
Schaumburg, IL 60196

**Re: Norwood Memorial Airport/Realignment and Relocation of Taxiways A & D:
I.W. Harding Construction Co., Inc.'s Default on Project (Bond No. 9286006)**

Dear Mr. Shalek and Mr. Stahley:

On behalf of the Town of Norwood and the Norwood Airport Commission (the "Town"), the owner of the above-referenced project (the "Project"), and pursuant to Section 80-09 of the General Provisions of Contract (which, in addition to other documents, comprises the "Contract" or "Contract Documents"), this letter constitutes further written notice, along with previous correspondence and communications, that I.W. Harding Construction Co., Inc. ("I.W. Harding") is in default of the Contract Documents and that the Town, intends to terminate the Contract. In particular, we have determined that you are in default pursuant to Section 80-09.b-f, which provides as follows:

The Contractor shall be considered in default of his or her contract and such default will be considered as cause for the Owner to terminate the contract for any of the following reasons if the Contractor:

...

b. Fails to perform the work or fails to provide sufficient workers, equipment and/or materials to assure completion of work in accordance with the terms of the contract, or

October 18, 2019

Page Two

- c. Performs the work unsuitably or neglects or refuses to remove materials or to perform anew such work as may be rejected as unacceptable and unsuitable, or
- d. Discontinues the execution of the work, or
- e. Fails to resume work which has been discontinued within a reasonable time after notice to do so.

See General Provisions, Section 80-09. There is no reasonable dispute that I.W. Harding has defaulted by virtue of its failure to complete satisfactorily or correct various items of work, including among other defects those enumerated in the e-mail transmitted from this office to I.W. Harding on September 24, 2019 (a copy of which is attached as **Exhibit A**), namely:

1. The area east of the Runway 35 threshold remains uneven and heavily rutted. This area was disturbed by I.W. Harding during the construction of the wetland mitigation area. The area needs to be regraded, loamed and seeded.
2. The majority of the infield, located between Taxiway A and Runway 35 was disturbed by I.W. Harding during the construction process. The area remains rutted, uneven and undulating. Several areas are severely lacking in loam, with exposed stone and cobbles. Other areas are marked by depressions, which will result in stormwater ponding around the newly installed catch basins. The area needs to be smoothly graded. Grading shall be sufficient to direct stormwater to the catchbasins, without ponding around the rim. Newly graded areas shall receive the 4" topsoil identified in the construction documents.
3. Hydroseeding was installed on some exposed areas. However, it is apparent that the hydroseed was installed on areas lacking topsoil. In many areas, the seed was sprayed on exposed stone. The Contract Documents call for the installation of 4" of topsoil and seed. The areas lacking topsoil shall be redressed, and seeded.
4. Clear ruts, up to 1' deep, are located on the north and south side of Taxiway D, where I.W. Harding installed silt fence. The area is also littered with stones from the trenching process. The area needs to be smoothed, loamed and seeded, and the stones need to be removed.

See Exhibit A (September 24, 2019 e-mail). In accordance with Section 80-09 of the General Provisions, please be advised that should you fail, within 10 days of the date of this notice, to complete the above outstanding items, the Town intends to terminate the Contract and proceed in having the Project completed at I.W. Harding's cost. In addition to such costs the Town fully reserves all rights, including without limitation the right to assess liquidated damages and seek other relief.

October 18, 2019
Page Three

Please contact me promptly to arrange for I.W. Harding's completion of the Project.
Thank you for your attention to this matter.

Very truly yours,
DuBois & King



Jeffrey A. Adler, P.E.
Senior Project Manager

Enclosure

cc: Norwood Airport Commission
Russ Maguire, Manager
Peter L. Mello, Esq.



(EXHIBIT A)

Jeffrey Adler <jadler@dubois-king.com>

Norwood Airport: Taxiway 'A' - Work Remaining

Mark Goodrich <mgoodrich@dubois-king.com>

Tue, Sep 24, 2019 at 10:58 AM

To: Jim Shalek <Shalek@iwharding.com>

Cc: Dave Stahley <stahley@iwharding.com>, Russ Maguire <RMaguire@norwoodma.gov>, Mark Ryan <MRyan@norwoodma.gov>, Jeffrey Adler <jadler@dubois-king.com>, Ross Tsantoulis <rtsantoulis@dubois-king.com>

Mr. Shalek,

DuBois & King was present at the Norwood Airport on Monday 9/24 while IWH was performing work on the punch list items for the Taxiway 'A' project. IWH was on site briefly (7 AM to approximately 8 AM) and completed 4 of the tasks identified in the September 14, 2019 email from Ross Tsantoulis to IWH. Items 3, 6, 7 and 9 appear to have been completed.

Mark Goodrich, of D&K, spoke with Jim Shalek and identified that several of the punch list items have not been completed. Mr. Shalek responded that he believes all work is done and IWH will not be returning. Mr. Goodrich notified Mr. Shalek that if the remaining punch list items are not completed, then the performance bond is likely to be used to complete the project.

Mr. Goodrich walked the construction site with Mark Raymond (Norwood Airport) and documented the items remaining on the punchlist.

Item 1) The area east of the Runway 35 threshold remains uneven and heavily rutted. This area was disturbed by IWH during the construction of the wetland mitigation area. The area needs to be regraded, loamed and seeded.

Item 4) The majority of the infield, located between Taxiway A and Runway 35 was disturbed by IWH during the construction process. The area remains rutted, uneven and undulating. Several areas are severely lacking in loam, with exposed stone and cobbles. Other areas are marked by depressions, which will result in stormwater ponding around the newly installed catch basins. The area needs to be smoothly graded. Grading shall be sufficient to direct stormwater to the catchbasins, without ponding around the rim. Newly graded areas shall receive the 4" topsoil identified in the construction documents.

Item 5) Hydroseeding was installed on some exposed areas. However, it is apparent that the hydroseed was installed on areas lacking topsoil. In many areas, the seed was sprayed on exposed stone. The contract documents call for the installation of 4" of topsoil and seed. The areas lacking topsoil shall be redressed, and seeded.

Item 8) Clear ruts, up to 1' deep, are located on the north and south side of Taxiway D, where IWH installed silt fence. The area is also littered with stones from the trenching process. The area needs to be smoothed, loamed and seeded, and the stones need to be removed.

The majority of the items listed above are located within the runway and taxiway safety areas. The safety areas shall be smoothly graded with no grade changes or lips exceeding 3". The safety areas must be capable of supporting an aircraft and rescue equipment in the event of an aircraft leaving the pavement. The current conditions do not meet the FAA criteria for safety areas, and present a significant hazard to aircraft. If IWH Harding is unable or unwilling to remedy the

deficiencies, the Town will be obligated to utilize IW Harding's performance bond to complete the project and restore the safety areas to a safe operating condition.

Regards,

Mark Goodrich, PE
Project Manager
DuBois & King, Inc.
18 Constitution Drive, Suite 8
Bedford, NH 03110
Phone 603-637-1043
Mobile 603-459-9376
Fax 866-783-7101

COMMONWEALTH OF MASSACHUSETTS

NORFOLK, ss.

DISTRICT COURT DEPARTMENT
DEDHAM DIVISION
DOCKET NO.

TOWN OF NORWOOD and
NORWOOD AIRPORT COMMISSION
Plaintiffs,

v.

DONALD QUINN
Defendant.

GENERAL RELEASE OF ALL CLAIMS

Now come the Plaintiff, the Town of Norwood and the Norwood Airport Commission (collectively "Norwood") and the Defendant, Donald Quinn, (the "Parties") and hereby agree as follows:

In consideration of Mr. Quinn's removal of his personal airplane from the west "tie-down" at Norwood Airport located in the Town of Norwood, Massachusetts, and other good and valuable consideration, the receipt of which is hereby acknowledged, the Parties set forth above, hereby agree to release and forever discharge one another, individually and in all their representative capacities, their successors, assignees, agents, servants, representatives, employees, subsidiaries, affiliates, partners, attorneys, predecessors and successors in interest, and all other persons, firms or corporations with whom they have been, are now or may hereinafter be affiliated, of and from any and all past, present or future debts, demands, actions, causes of action, suits, sums of money, accounts, contracts, controversies, agreements, promises, doings, omissions, damages, executions, expenses, compensation, liabilities and any and all claims of any kind, in nature and description whatsoever, both in law and equity, whether based or sounding in contract or tort, or in any way growing out of any and all known and unknown liabilities, property damage, or any other claims, including, but not limited to, those claims from the beginning of the world to the date of this Release, arising out of Mr. Quinn's occupancy of the space formerly leased to him to store his airplane. This release is mutual in nature and is a compromise of disputed claims, for which there is no liability against any of the Parties. The mere entry of the parties into this General Release of All Claims is not to be construed as an admission of liability or fault by those released, by whom liability is expressly denied.

This Release contains the entire agreement between the Parties hereto, and the terms of this release are contractual and not a mere recital. The Parties further state that each carefully read and analyzed the foregoing release and know the contents thereof, and we sign our names below as our own free act and deed, and more over that each had the opportunity to consult counsel and did so.

Defendant

Donald H. Quinn
Donald Quinn

Date: 10-10-2019

Plaintiff/Landlord

Tony Mazzucco
Its Authorized Agent

Date:



I. W. HARDING Construction Co., Inc.
354 Pleasant Street
West Bridgewater MA 02379-1514
stahley@iwharding.com
508-588-2222 Office
508-588-3456 Fax
508-958-8094 Cell

October 25, 2019

**Jeffrey Adler, P.E.
DuBois & King Inc.
18 Constitution Drive
Suite 8
Bedford, NH 03110**

**RE: Norwood Memorial Airport
Contract - AIP No. 3-25-0037-38**

Dear Mr. Adler,

**We received your letter dated October 18, 2019 at our office today, October 25th.
Please be advised we will be responding within 10 days of receipt.**

Yours truly,


David M. Stahley, Project Manager



Commonwealth of Massachusetts

NORWOOD AIRPORT COMMISSION

Mark P. Ryan, *Chairman*

Michael Sheehan, *Vice Chairman*

John J. Corcoran

November 20, 2019

DRAFT ONLY

Federal Aviation Administration
Attn: Gail Lattrell, Acting Director
New England Region, Airports Division (ANE-600)
1200 District Avenue
Burlington, MA 01803-5078

Dear Ms. Latrell:

This letter is in response to the letter/petition submitted to you by *Boston Executive Helicopters* ("BEH") dated August 26, 2019. In accord with the Norwood Airport Commission's ("NAC") obligations in the settlement of the litigation between BEH, the Town of Norwood, and the Norwood Airport Commission (NAC), the NAC supports BEH's letter/petition for TOFA/OFA relief.

Please review the BEH petition and make your determination. If BEH's petition is granted, the NAC is obligated to remove the TOFA/OFA markings on the gate 3 taxi-lane within sixty (60) days of such determination.

Thank you for your cooperation in this matter.

Sincerely,

Mark P. Ryan, Chairman
Norwood Airport Commission

November 12, 2019

Russ Maguire
Norwood Airport Commission
125 Access Way
Norwood, MA 02062



Dear Russ,

As requested, Above the Clouds has reviewed the Norwood Airport Special Event Checklist in connection with an event we would like to hold at Norwood Airport in September 2020. Each of the items on the checklist are addressed below.

The date of the event still needs to be determined. Currently we are considering having it take place on Norwood Day, which is usually the first Saturday after Labor Day (or September 12, 2020.) We plan to have a "Plane Pull," where teams compete to pull a large plane a short distance (aircraft and distance of pull TBD.)

Police: ATC will pay for one officer for the duration of the event (as we did for the Hangar Happening.) This is primarily to manage overflow parking on Access Way.

Security: Two ATC badged personnel will be on the Airfield with Plane Pullers at all times. They will be responsible for entry and exit of airfield.

Alcohol: Above the Clouds will not be serving alcohol at this event.

Parking: When we had our hangar happening, we asked the Selectmen for overflow parking on Access Way. In terms of access to the airfield, badged ATC personnel will accompany the plane pull teams onto the airfield. The event will take place on the south ramp.

Restrooms: Portable restrooms will be provided outside of the airfield in the parking lot.

Signage: There will be two Signacades directing the public to the event: One will be just outside of the airport, the other will be at the intersection of Neponset Street and Access Road.

Insurance: We will provide event insurance as required by the Town. David Hampson, our ATC insurer will address this, as he did for the Hangar Happening.



Above the Clouds
Norwood Memorial Airport
125 Access Road
Norwood, MA 02062
abovethecloudskids.org

Distribution: The Fire Department and the Building Inspector will not be involved as the event will be outside. The Health Department will be contacted as we plan to sell popcorn, cotton candy, etc.

Locus of Event: The Plane Pull will take place on the south ramp. It will be necessary to move all airplanes from this area to make a space for the Event. The viewing public will be on the hill outside of the fence. Additionally we would like to use the new parking area that is just below the tower for a tent and a stage.

Refuse and Litter: ATC staff will be responsible for cleaning up all litter at the conclusion of the event.

Thanks for your support and consideration, and please let me know if you have any questions.

Best,

A handwritten signature in cursive script, appearing to read 'Martha', followed by a long horizontal flourish.

Martha Oberstein
Director of Operations
Above the Clouds

TO: NORWOOD AIRPORT COMMISSION
FROM: RUSS MAGUIRE, AIRPORT MANAGER
RE: MANAGER'S REPORT: 10/08/19—11/18/19

— Major Projects/Issues—

Welch Administration Building

Throughout this period, in support of the administration building fit-out project, airport management hosted and participated in weekly job meetings with the owner's project manager, general contractor, architects, and occasionally, sub-contractors. (These meetings have been held each Wednesday at 9 a.m.) Airport management also continues to work with the general contractor and its subs, architects, MassDOT, suppliers and other contractors allied to the project. Special attention was given to coordinating installation of the building's security and fire control systems, lighting control systems, some interior finishes and landscaping. Additionally, both staffers have been actively involved in moving the department's rolling stock, equipment, office supplies, materials and files either into storage or to the new building. Some equipment is also being designated for surplus.

MassDOT Vegetation Management

In April, the Airport Manager (AM) solicited MassDOT for inclusion in a safety-related vegetation management program. This was approved at 100% funding by the state. After being re-scheduled several times, the work began in early November. The scope addresses 48 acres at four sites, three of which involve vegetative areas off the runway ends. Target species are the woody re-growth previously cut; and maintenance methods include heavy mowing with specialized amphibious equipment. At the AM's request, MassDOT agreed to widen the scope to other treatment areas as well.

— Informational Updates —

Office Lease

As of this writing, a completed (ready to move in) fit-out of the new administration building is still forthcoming. The AM has therefore asked *Flight Level* to continue the Airport Department's tenancy of the current office space through November.

Special Event Proposal

Above the Clouds is a charity for medically challenged youths. At its request, the AM recently met to discuss the planning steps needed to hold a special event next September, pending Airport Commission approval. *Above the Clouds* has since crafted a special event proposal for consideration by the Commission. This is available under separate cover.

Monthly Revenues

From 10/08/19 to 11/18/19, the AM issued one posting to the Treasurer's office, totaling \$35,778.36 in payments. The revenues are broken down as follows:

REVENUE TYPE	DEPOSIT DATE	AMOUNT
Land Leases	11/15/19	\$16,765.62
Fuel Flowage Fees	11/15/19	\$6,480.74
Aircraft Tie-Down Leases	N/A	N/A
Security Badge Fees	N/A	N/A
Revolving – Insurance Recovery	N/A	N/A
General ¹	N/A	N/A
Landing Fees	11/15/19	\$12,532

Monthly Fuel Flowage

For the month of September, *Flight Level's* bills of lading for fuel totaled 45,850 gallons. At \$.07/gallon, the Town received \$3,209.50 in flowage fees. For the month of October, *Flight Level's* bills of lading for fuel totaled 46,732 gallons. At \$.07/gallon, the Town received \$3,271.24 in flowage fees.

Landing Fees

For the 3rd quarter, the Norwood Airport—through *Flight Level*—collected \$12,532.

Public Relations

On 10/30, for Norwood's League of Women Voters, the AM gave a presentation on the history, business development and economic impact of Norwood Airport

¹ General revenues include commercial permit and public records request fees, FEMA and insurance reimbursements, etc.

Media Relations

The AM was recently interviewed by the Local Town Pages, which, in its November issue, showcased the history, service offerings and economic impact of Norwood Airport.

State Airport Managers' Conference

On 10/8, the AM attended the annual *Massachusetts Airport Managers Association* conference.

Air Traffic Count

For the Norwood Airport's October air traffic reports, see *Attachments A-B*.



FAA CONTRACT TOWER - AIRPORT OPERATIONS COUNT RECORD

Facility Name: Norwood

Location: Norwood, MA

Airport Operations Count

Facility Operating Hours

ITINERANT

LOCAL

Mo. 1 | 0 | 1 | 9 | Location Ident. O | W | D

Day	AC	AT	GA	MI	Total IFR Inherent Ops	AC	AT	GA	MI	Total VFR Inherent Ops	Civil	Military	Total Local Ops	Total Airport Operations
01		4	15		19		12	34		46	102		102	167
02		7	21		28		4	42		46	40		40	114
03		5	23		28		4	98		102	98		98	228
04		10	12		22		9	26		35	24		24	81
05		6	13		19		3	145		148	52		52	219
06		4	12		16			60		60	40		40	116
07		3	11		14		11	25		36	48		48	98
08		3	14		17		9	61		70	88		88	175
09		2	10		12		2	18		20				32
10		3	11		14		10	9		19				33
11		10	23		33			1		1				34
12		1	7		8									8
13		4	12		16		2	139		141	128		128	285
14		5	32		37		8	131		139	96		96	272
15			3		3		12	124		136	116		116	255
16		5	12		17		12	70		82	94		94	193
17		1	2		3		3	3		6				9
18		1	15		16		23	79		102	80		80	198
19		5	15		20		3	130		133	122		122	275
20		4	14		18		6	127		133	92		92	243
21		5	19		24		5	86		91	86		86	201
22		11	11		22		9	78		87	92		92	201
23		8	11		19		3	46		49	48		48	116
24		8	11		19		8	120		128	48		48	195
25		8	6		14		12	117		129	160		160	303
26		3	25		28		13	153	1	167	140		140	335
27		4	17		21			12		12	38		38	71
28		6	18		24		2			2				26
29		2	28		30		7	14		21	54		54	105
30		2	25		27		5	21		26	44		44	97
31		1	11		12									12
Total		141	459		600		197	1969	1	2167	1930		1930	4697

2

FAA CONTRACT TOWER OVERFLIGHT SUMMARY RECORD

Facility Name

Norwood

Location:

Norwood, MA

Mo.

1

Yr.

1

Loc Ident

0000

OVERFLIGHT COUNT

IFR OVERFLIGHTS						VFR OVERFLIGHTS						Total Overflights
Day	AC	AT	GA	MI	Total	AC	AT	GA	MI	Total		
01							10	10		20	20	
02							4	2	10	16	16	
03							16	20	2	38	38	
04			2		2		6	12		18	20	
05							2	12		14	14	
06							10	12		22	22	
07							10	10		20	20	
08							24	12		36	36	
09		2			2		12			12	14	
10							12	2	2	16	16	
11												
12												
13		2			2		18	6		24	26	
14							8	10		18	18	
15							24	38		62	62	
16							6	12		18	18	
17												
18							10	12		22	22	
19							2	16		18	18	
20							8	24		32	32	
21		2			2		10	8		18	20	
22							4	6		10	10	
23							4	4		8	8	
24		2			2		22	14		36	38	
25							20	12	8	40	40	
26		2			2		10	14		24	26	
27												
28												
29							2	2		4	4	
30							2			2	2	
31												
Total		10	2		12		256	270	22	548	560	

**OUTLAY REPORT AND REQUEST FOR
REIMBURSEMENT FOR
CONSTRUCTION PROGRAMS**

1. TYPE OF REQUEST

☒ FINAL
☐ PARTIAL

2. BASIS OF REQUEST

☐ CASH
☒ ACCRUAL

3. FEDERAL SPONSORING AGENCY AND ORGANIZATIONAL
ELEMENT TO WHICH THIS REPORT IS SUBMITTED

FAA/Airport Division

4. FEDERAL GRANT OR OTHER IDENTIFYING NUMBER
ASSIGNED BY FEDERAL AGENCY

3-25-0037-38-2018

5. PARTIAL PAYMENT REQUEST
NUMBER FOR THIS REQUEST

5-Final

6. EMPLOYER IDENTIFICATION
NUMBER

04-6001254

7. FINANCIAL ASSISTANCE
IDENTIFICATION NUMBER

8. PERIOD COVERED BY THIS REQUEST

From: To: 10/24/2019

9. RECIPIENT ORGANIZATION

Name: Norwood Airport Commission

Street1: 125 Access Road

Street2:

City: Norwood

County:

State: MA: Massachusetts

Province:

Country: USA: UNITED STATES

ZIP / Postal Code: 02062

10. PAYEE (Where check is to be sent if different than item 9)

Name: MassDOT - Aeronautics

Street1: Logan Office Center

Street2: One Harborside Dr. Suite 205N

City: East Boston

County:

State: MA: Massachusetts

Province:

Country: USA: UNITED STATES

ZIP / Postal Code: 02128

11.

STATUS OF FUNDS

CLASSIFICATION	PROGRAMS	FUNCTIONS	ACTIVITIES	TOTAL
	(a) 20.106	(b)	(c)	
a. Administrative expense	\$ 3,500.00	\$	\$	\$ 3,500.00
b. Preliminary expense				
c. Land, structures, right-of-way				
d. Architectural engineering basic fees				
e. Other architectural engineering fees	298,734.00			298,734.00
f. Project inspection fees	153,577.05			153,577.05
g. Land development				
h. Relocation expense				
i. Relocation payments to individuals and businesses				
j. Demolition and removal				
k. Construction and project improvement cost	1,944,552.28			1,944,552.28
l. Equipment				
m. Miscellaneous cost	122,636.00			122,636.00
n. Total cumulative to date (sum of lines a thru m)	2,522,999.33	0.00	0.00	2,522,999.33
o. Deductions for program income				
p. Net cumulative to date (line n minus line o)	2,522,999.33	0.00	0.00	2,522,999.33
q. Federal share to date	1,976,529.36			1,976,529.36
r. Rehabilitation grants (100% reimbursement)				
s. Total Federal share (sum of lines q and r)	1,976,529.36	0.00	0.00	1,976,529.36
t. Federal payments previously requested	1,853,475.53			1,853,475.53
u. Amount requested for reimbursement	\$ 123,053.83	\$	\$	\$ 123,053.83
v. Percentage of physical completion of project	100.00 %	%	%	100.00 %

12. CERTIFICATION

I certify that to the best of my knowledge and belief the billed costs or disbursements are in accordance with the terms of the project and that the reimbursement represents the Federal share due which has not been previously requested and that an inspection has been performed and all work is in accordance with the terms of the award.

a. RECIPIENT

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL

DATE REPORT SUBMITTED

TYPED OR PRINTED NAME AND TITLE

Prefix: First Name: Middle Name:
Last Name: Suffix:
Title:

TELEPHONE (Area code, number, and extension)

b. REPRESENTATIVE CERTIFYING TO LINE 11V

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL

DATE SIGNED

TYPED OR PRINTED NAME AND TITLE

Prefix: First Name: Middle Name:
Last Name: Suffix:
Title:

TELEPHONE (Area code, number, and extension)

90%

AMOUNT OF THIS REIMBURSEMENT	\$	123,053.83
PREVIOUS REIMBURSEMENTS	\$	1,853,475.53
TOTAL REIMBURSEMENTS	\$	1,976,529.36

Date _____

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Form approved
Budget Bureau No. 04-R0004

1. PROJECT NO.
3-25-0037-38-2018
2. GRANT AGREEMENT
CONTRACT NO. 5-Final

SUMMARY OF PROJECT COSTS

Print or type data requested. Read instructions on reverse before completing form.

3. SPONSOR'S NAME AND ADDRESS
Norwood Airport Commission, 125 Access Road, Norwood MA 02062

4. PERIOD ENDING
1/7/2019

5. OFFICIAL NAME AND LOCATION OF AIRPORT
Norwood Memorial Airport

6. MAXIMUM FEDERAL FUNDS

7. DESCRIPTION	8. LATEST REVISED TOTAL ESTIMATED COST	9. ACTUAL COST INCURRED TO DATE		10. ESTIMATE OF AGGREGATE OF TOTAL COSTS INCURRED AND TO BE INCURRED PRIOR TO (Date)	
		AMOUNT (a)	PERCENT (b)	AMOUNT (a)	PERCENT (b)
1. Administration	\$3,500.00	\$3,500.00	58%		
2. Engineering					
Data Collection	\$38,023.00	\$38,023.00	100%		
Design	\$ 131,096.00	\$ 131,096.00	100%		
Bid Phase	\$ 15,144.00	\$ 15,144.00	100%		
Administration	\$ 20,049.00	\$ 20,049.00	100%		
Subtotal	\$204,312.00	\$ 204,312.00			
Construction Engineering	\$ 76,009.01	\$ 76,009.01	100%		
Resident Inspection	\$ 61,568.04	\$ 61,568.04	100%		
Subtotal	\$ 137,577.05	\$ 137,577.05			
Admendment No. 1 - Envir. Monitoring	\$ 125,100.00	\$ 125,100.00	100%		
Admendment No. 2	\$16,000.00	\$ 16,000.00	100%		
Admendment No. 3	(\$30,678.00)	(\$30,678.00)	100%		
3. Construction Services	\$ 1,944,552.28	\$ 1,944,552.28	100%		
4. Wetland Impact Fee	\$ 122,636.00	\$ 122,636.00	100%		
Total	\$ 2,522,999.33	\$ 2,522,999.33	100%		

11. CERTIFICATION - I certify that the latest revised total estimated cost shown above reflects the best information available as to the probable total final cost of each item; that amounts shown as actual costs incurred to date are true and correct and are supported by records of the sponsor; and, when applicable, that the estimates of the costs to be incurred reflect the best information available. I further certify that the materials used and construction accomplished meet the requirements of the plans and specifications, as evidenced by certified test and inspection reports included in the project records.

DATE

SIGNATURE OF SPONSOR'S ENGINEER



Norwood Airport Commission
Attn: Mr. Mark Ryan, Chairman
125 Access Road
Norwood MA 02062

April 30, 2019
Invoice No: 419379
Project No: 324137L1

TERMS: Net 30 days from invoice date, 1.5% per month charged thereafter.

For professional services rendered through January 1, 2019

For engineering services related to Taxiway A Relocation

AIP NO. 3-25-0037-38-2018

Project Phase	Contract Amount	Percentage Complete	Previous Billed	Current Invoice	Total to Date
Article A Data Collection	\$ 38,023.00	100%	\$ 38,023.00	\$ -	\$ 38,023.00
Article B Design	\$ 131,096.00	100%	\$ 131,096.00	\$ -	\$ 131,096.00
Article D Bid Phase	\$ 15,144.00	100%	\$ 15,144.00	\$ -	\$ 15,144.00
Article E Administration	\$ 20,049.00	90%	\$ 18,044.10	\$ -	\$ 18,044.10
Article F Construction Phase Services	\$ 76,313.00		\$ 49,735.65	\$ 8,866.51	\$ 58,602.16
Direct Labor	\$ 13,012.77		\$ 16,089.50	\$ 3,002.44	\$ 19,091.94
Overhead 163.67%	\$ 21,297.99		\$ 26,333.68	\$ 4,914.09	\$ 31,247.77
Fixed Fee 12%	\$ 4,117.29		\$ 5,090.79	\$ 949.98	\$ 6,040.77
Direct Cost	\$ 37,885.00		\$ 2,221.68	\$ -	\$ 2,221.68
Article G Resident Engineering	\$ 61,278.00		\$ 60,791.17	\$ -	\$ 60,791.17
Direct Labor	\$ 19,650.00		\$ 18,955.50	\$ -	\$ 18,955.50
Overhead 163.67%	\$ 32,161.16		\$ 31,024.47	\$ -	\$ 31,024.47
Fixed Fee 12%	\$ 6,217.34		\$ 5,997.60	\$ -	\$ 5,997.60
Direct Cost	\$ 3,250.00		\$ 4,813.60	\$ -	\$ 4,813.60
AMENDMENT NO. 1	\$125,100.00	75%	\$ 93,825.00	\$ -	\$ 93,825.00
Total Contract Amount	\$ 467,003.00		\$ 406,658.92	\$ 8,866.51	\$ 415,525.43
Total Amount Earned to Date	\$ 415,525.43				
Less Previous Billing	\$ 406,658.92				
Total Amount Billed this Invoice			\$ 8,866.51		



Norwood Airport Commission
Attn: Mr. Mark Ryan, Chairman
125 Access Road
Norwood MA 02062

October 28, 2019
Invoice No: 419379
Project No: 324137L1

TERMS: Net 30 days from invoice date, 1.5% per month charged thereafter.

For professional services rendered through January 1, 2019

For engineering services related to Taxiway A Relocation

AIP NO. 3-25-0037-38-2018

Project Phase	Contract Amount	Percentage Complete	Previous Billed	Current Invoice	Total to Date
Article A Data Collection	\$ 38,023.00	100%	\$ 38,023.00	\$ -	\$ 38,023.00
Article B Design	\$ 131,096.00	100%	\$ 131,096.00	\$ -	\$ 131,096.00
Article D Bid Phase	\$ 15,144.00	100%	\$ 15,144.00	\$ -	\$ 15,144.00
Article E Administration	\$ 20,049.00	100%	\$ 18,044.10	\$ 2,004.90	\$ 20,049.00
Article F Construction Phase Services	\$ 76,313.00		\$ 58,602.16	\$ 17,826.47	\$ 76,428.63
Direct Labor	\$ 13,012.77		\$ 19,091.94	\$ 2,823.50	\$ 21,915.44
Overhead 163.67%	\$ 21,297.99		\$ 31,247.77	\$ 4,621.22	\$ 35,868.99
Fixed Fee 12%	\$ 4,117.29		\$ 6,040.77	\$ 893.37	\$ 6,934.14
Direct Cost	\$ 37,885.00		\$ 2,221.68	\$ 9,488.38	\$ 11,710.06
Article G Resident Engineering	\$ 61,278.00		\$ 60,791.17	\$ 699.15	\$ 61,490.32
Direct Labor	\$ 19,650.00		\$ 18,955.50	\$ 236.75	\$ 19,192.25
Overhead 163.67%	\$ 32,161.16		\$ 31,024.47	\$ 387.49	\$ 31,411.96
Fixed Fee 12%	\$ 6,217.34		\$ 5,997.60	\$ 74.91	\$ 6,072.51
Direct Cost	\$ 3,250.00		\$ 4,813.60	\$ -	\$ 4,813.60
AMENDMENT NO. 1	\$125,100.00	100%	\$ 93,825.00	\$ 31,275.00	\$ 125,100.00
AMENDMENT NO. 2	\$ 16,000.00	100%		\$ 15,479.45	\$ 15,479.45
Direct Labor					
Overhead 163.67%					
Fixed Fee 12%					
Direct Cost					
AMENDMENT NO. 3	(\$30,678.00)			\$ (30,678.00)	(\$30,678.00)
Total Contract Amount	\$ 452,325.00		\$ 415,525.43	\$ 36,606.97	\$ 452,132.40
Total Amount Earned to Date	\$ 452,132.40				
Less Previous Billing	\$ 415,625.43				
Total Amount Billed this Invoice	\$ 36,506.97				

2018-156-04

Owner:	Town of Norwood	Application Period:	November 28, 2018	Application Date:	December 7, 2018
Project:	Reconstruct Taxiway "A" and "D"	Contractor:	I. W. Harding Construction Co.	Engineer:	DuBois & King, Inc.
Owner's Contract No.:	AIP NO. 3-25-0037-38	Street:	354 Pleasant Street	Address:	18 Constitution Drive, Ste 8
		Town, State, Zip:	West Bridgewater MA 02379	Town, State, Zip:	Bedford NH 03110

Application for Payment-Change Order Summary

Approved Change Orders		
Number	Additions	Deductions
TOTALS	\$ -	\$ -
NET CHANGE BY		
CHANGE ORDERS \$ -		

Approved Change Orders

- | | | |
|---|-----------------|-----------------|
| 1. ORIGINAL CONTRACT PRICE | | \$ 1,696,659.90 |
| 2. Net change by Change Orders | | \$ - |
| 3. Current Contract Price (Line 1 + 2) | | \$ 1,696,659.90 |
| 4. TOTAL COMPLETED AND STORED TO DATE
(Column H + J Progress Estimate) | | \$ 1,696,247.04 |
| 5. RETAINAGE: | | |
| a. 0 % | \$ 1,696,247.04 | Work Completed |
| b. 10 % | \$ - | Stored Material |
| c. Total Retainage (Line 5a + Line 5b) | | \$ - |
| 6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5c) | | \$ 1,696,247.04 |
| 7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application) | | \$ 1,526,622.34 |
| 8. AMOUNT DUE THIS APPLICATION | | \$ 169,624.70 |
| 9. BALANCE TO FINISH, INCLUDES RETAINAGE
(Line 3 minus Line 6 above) | | \$ 412.86 |

Contractor's Certification

The undersigned Contractor certifies that to the best of its knowledge: (1) all previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to Owner indemnifying Owner against any such Liens, security interest or encumbrances); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

By: _____	Date: December 7, 2018
Brad Shalek, Vice President	

On this 7th day of December, 2018 before me, the undersigned notary public, appeared Brad Shalek, personally known to me, to be the person whose name is signed on this document in my presence.

Notary Public

My Commission Expires: June 20, 2025

Application Date: December 7, 2018
Application # 2018-156-04

Item No.	Item Description	Total Quantity	Units	Unit Price	Extended Amount	Previous Estimate	Previous Estimate Total	Current Estimate	Current Estimate Total
						Quantity	Amount	Quantity	Amount
M-001-5.1	Wetland Specialist	1	LS	\$264,000.00	\$ 264,000.00	0.875	\$ 231,000.00	-	-
M-005-5.1	Wetland Soil	980	CY	\$ 0.01	\$ 9.80	840	\$ 8.40	0.00	\$ -
M-005-5.2	Wetland Seeding	6	LBS	\$ 270.00	\$ 1,620.00	6	\$ 1,620.00	0.00	\$ -
M-005-5.3	Wetland Plantings	1	LS	\$ 80,000.00	\$ 80,000.00	1	\$ 80,000.00	0.00	\$ -
P-150-4.1	Pavement Marking Removal	1,200	SF	\$ 2.00	\$ 2,400.00	-	\$ -	0.00	\$ -
P-150-4.2	Pavement Removal	7,100	SY	\$ 4.00	\$ 28,400.00	5,362	\$ 21,448.00	0.00	\$ -
P-150-4.3	Catch Basin Removal	3	EA	\$ 18,800.00	\$ 56,400.00	2	\$ 37,600.00	0.00	\$ -
P-150-4.4	Pipe Removal	640	LF	\$ 0.01	\$ 6.40	104	\$ 1.04	0.00	\$ -
P-150-4.5	Electrical Duct Removal	1	EA	\$ 40,000.00	\$ 40,000.00	-	\$ -	0.00	\$ -
P-151-4.1	Clearing and Grubbing	1	Acre	\$ 32,800.00	\$ 16,400.00	0.86	\$ 28,208.00	0.00	\$ -
P-152-4.1	Unclassified Excavation	9,900	CY	\$ 0.01	\$ 99.00	6,831	\$ 68.31	0.00	\$ -
P-152-4.2	Excavation to Embankment	9,600	CY	\$ 0.01	\$ 96.00	9,050	\$ 90.50	0.00	\$ -
P-154-5.1	Subbase Course	8,500	CY	\$ 0.01	\$ 85.00	4,461	\$ 44.61	0.00	\$ -
P-156-5.1	Silt Fence	1,500	LF	\$ 5.70	\$ 8,550.00	6,161	\$ 35,117.70	0.00	\$ -
P-156-5.2	Erosion Control Matting	420	SY	\$ 24.00	\$ 10,080.00	14,405	\$ 345,720.00	0.00	\$ -
P-156-5.3	Straw Wattle	40	LF	\$ 10.00	\$ 400.00	839	\$ 8,390.00	0.00	\$ -
P-156-5.4	Catch Basin Inlet Protection	10	EA	\$ 220.00	\$ 2,200.00	11	\$ 2,420.00	0.00	\$ -
P-156-5.5	Temporary Seed	1	Acre	\$ 4,840.00	\$ 4,840.00	3	\$ 13,406.80	0.00	\$ -
P-156-5.6	Straw Bale	650	LF	\$ 14.80	\$ 9,620.00	1,376	\$ 20,364.80	0.00	\$ -
P-156-5.7	Stabilized Construction Entrance	1	LS	\$ 43,400.00	\$ 43,400.00	1.00	\$ 43,400.00	0.00	\$ -
P-156-5.8	Rip-Rap Apron	1	LS	\$ 32,400.00	\$ 32,400.00	1	\$ 32,400.00	0.00	\$ -
P-209-5.1	Crushed Aggregate Base Course	1,250	CY	\$ 0.01	\$ 12.50	-	\$ -	0.00	\$ -
P-401-8.1	Bituminous Pavement-Binder Course	800	TON	\$ 100.00	\$ 80,000.00	570	\$ 57,017.00	0.00	\$ -
P-401-8.2	Bituminous Pavement -Wearing Course	800	TON	\$ 100.00	\$ 80,000.00	570	\$ 57,017.00	0.00	\$ -
P-402-5.1	Porous Pavement	210	TON	\$ 630.00	\$ 132,300.00	389	\$ 244,874.70	0.00	\$ -
P-402-5.2	Choker Course	320	CY	\$ 41.00	\$ 13,120.00	274	\$ 11,234.00	0.00	\$ -
P-402-5.3	Filter Course	650	CY	\$ 41.00	\$ 26,650.00	548	\$ 22,468.00	0.00	\$ -
P-402-5.4	Filter Blanket	320	CY	\$ 41.00	\$ 13,120.00	274	\$ 11,234.00	0.00	\$ -
P-402-5.5	Reservoir Course	750	CY	\$ 42.50	\$ 31,875.00	642	\$ 27,285.00	0.00	\$ -
P-410-5.1	Sawcutting	510	LF	\$ 22.60	\$ 11,526.00	539	\$ 12,181.40	0.00	\$ -
P-602-5.1	Bituminous Prime Coat	1,600	GAL	\$ 0.01	\$ 16.00	-	\$ -	0.00	\$ -
P-603-5.1	Bituminous Tack Coat	320	GAL	\$ 0.01	\$ 3.20	293	\$ 2.93	0.00	\$ -
P-620-5.1	White Paint	210	SF	\$ 5.00	\$ 1,050.00	32	\$ 160.00	0.00	\$ -
P-620-5.2	Yellow Paint	4,100	SF	\$ 1.75	\$ 7,175.00	1,045	\$ 1,828.75	0.00	\$ -
P-620-5.3	Black Paint	8,500	SF	\$ 1.25	\$ 10,625.00	648	\$ 810.00	0.00	\$ -
P-620-5.4	Red Paint	800	SF	\$ 2.50	\$ 2,000.00	-	\$ -	0.00	\$ -
D-701-5.1	12-inch HDPE	810	LF	\$ 40.00	\$ 32,400.00	471	\$ 18,840.00	0.00	\$ -
D-701-5.2	18-inch HDPE	320	LF	\$ 46.00	\$ 14,720.00	-	\$ -	0.00	\$ -

2018-156-05

Application Period:	November 28, 2018	Application Date:	December 7, 2018
Contractor:	I. W. Harding Construction Co.	Engineer:	DuBois & King, Inc.
Street:	354 Pleasant Street	Address:	18 Constitution Drive, Ste 8
Town, State, Zip:	West Bridgewater MA 02379	Town, State, Zip:	Bedford NH 03110
Owner's Contract No.:	AIP NO. 3-25-0037-38		
Owner:	Town of Norwood		
Project:	Reconstruct Taxiway "A" and "D"		

Application for Payment-Change Order Summary

Approved Change Orders			
Number	Additions	Deductions	
1 through 6	\$ 121,818.87	\$ 13,970.71	
7 & 8	\$ 30,552.98		
additional qty's	\$ 109,491.24		
TOTALS	\$ 261,863.09	\$ 13,970.71	
NET CHANGE BY			
CHANGE ORDERS	\$		247,892.38

Approved Change Orders

- | | | | | | |
|---|----|-------------------------------------|-----------------|-----------------|-----------------|
| 1. ORIGINAL CONTRACT PRICE | | | | | \$ 1,696,659.90 |
| 2. Net change by Change Orders | | | | | \$ 247,892.38 |
| 3. Current Contract Price (Line 1 + 2) | | | | | \$ 1,944,552.28 |
| 4. TOTAL COMPLETED AND STORED TO DATE
(Column H + J Progress Estimate) | | | | | \$ 1,944,552.28 |
| 5. RETAINAGE: | | | | | |
| | a. | 0 % | \$ 1,944,552.28 | Work Completed | \$ - |
| | b. | 10 % | \$ - | Stored Material | \$ - |
| | c. | Total Retainage (Line 5a + Line 5b) | | | \$ - |
| 6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5c) | | | | | \$ 1,944,552.28 |
| 7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application) | | | | | \$ 1,696,247.04 |
| 8. AMOUNT DUE THIS APPLICATION | | | | | \$ 248,305.24 |
| 9. BALANCE TO FINISH, INCLUDES RETAINAGE
(Line 3 minus Line 6 above) | | | | | \$ - |

Contractor's Certification

The undersigned Contractor certifies that to the best of its knowledge: (1) all previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to Owner indemnifying Owner against any such Liens, security interest or encumbrances); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

By: _____	Date: December 7, 2018
Brad Shalek, Vice President	

On this 7th day of December, 2018 before me, the undersigned notary public, appeared Brad Shalek, personally known to me, to be the person whose name is signed on this document in my presence.

Notary Public

My Commission Expires: June 20, 2025

Project: Reconstruct Taxiway "A" and "D"

Application Date: December 7, 2018
Application # 2018-156-05

Item No.	Item Description	Total Quantity	Units	Unit Price	Extended Amount	Previous Estimate Quantity	Previous Estimate Amount	Current Estimate Quantity	Current Estimate Amount	Quantities to date	Total Amount
M-001-5.1	Wetland Specialist	1	LS	\$264,000.00	\$ 264,000.00	0.875	\$ 231,000.00	0.000	\$ -	0.875	\$ 231,000.00
M-005-5.1	Wetland Soil	980	CY	\$ 0.01	\$ 9.80	840	\$ 8.40	0.00	\$ -	840.00	\$ 8.40
M-005-5.2	Wetland Seeding	6	LBS	\$ 270.00	\$ 1,620.00	6	\$ 1,620.00	6.00	\$ 1,620.00	12.00	\$ 3,240.00
M-005-5.3	Wetland Plantings	1	LS	\$ 80,000.00	\$ 80,000.00	1	\$ 80,000.00	0.00	\$ -	1.00	\$ 80,000.00
P-150-4.1	Pavement Marking Removal	1,200	SF	\$ 2.00	\$ 2,400.00	-	\$ -	0.00	\$ -	0.00	\$ -
P-150-4.2	Pavement Removal	7,100	SY	\$ 4.00	\$ 28,400.00	5,362	\$ 21,448.00	0.00	\$ -	5362.00	\$ 21,448.00
P-150-4.3	Catch Basin Removal	3	EA	\$ 18,800.00	\$ 56,400.00	2	\$ 37,600.00	0.00	\$ -	2.00	\$ 37,600.00
P-150-4.4	Pipe Removal	640	LF	\$ 0.01	\$ 6.40	104	\$ 1.04	0.00	\$ -	104.00	\$ 1.04
P-150-4.5	Electrical Duct Removal	1	EA	\$ 40,000.00	\$ 40,000.00	-	\$ -	0.00	\$ -	0.00	\$ -
P-151-4.1	Clearing and Grubbing	1	Acre	\$ 32,800.00	\$ 32,800.00	0.86	\$ 28,208.00	0.00	\$ -	0.86	\$ 28,208.00
P-152-4.1	Unclassified Excavation	9,900	CY	\$ 0.01	\$ 99.00	6,831	\$ 68.31	0.00	\$ -	6831.00	\$ 68.31
P-152-4.2	Excavation to Embankment	9,600	CY	\$ 0.01	\$ 96.00	9,050	\$ 90.50	0.00	\$ -	9050.00	\$ 90.50
P-154-5.1	Subbase Course	8,500	CY	\$ 0.01	\$ 85.00	4,461	\$ 44.61	0.00	\$ -	4461.00	\$ 44.61
P-156-5.1	Silt Fence	1,500	LF	\$ 5.70	\$ 8,550.00	6,161	\$ 35,117.70	803.00	\$ 4,577.10	6964.00	\$ 39,694.80
P-156-5.2	Erosion Control Matting	420	SY	\$ 24.00	\$ 10,080.00	14,405	\$ 345,720.00	0.00	\$ -	14405.00	\$ 345,720.00
P-156-5.3	Straw Wattle	40	LF	\$ 10.00	\$ 400.00	839	\$ 8,390.00	42.00	\$ 420.00	881.00	\$ 8,810.00
P-156-5.4	Catch Basin Inlet Protection	10	EA	\$ 220.00	\$ 2,200.00	11	\$ 2,420.00	4.00	\$ 880.00	15.00	\$ 3,300.00
P-156-5.5	Temporary Seed	1	Acre	\$ 4,840.00	\$ 4,840.00	3	\$ 13,406.80	0.00	\$ -	2.77	\$ 13,406.80
P-156-5.6	Straw Bale	650	LF	\$ 14.80	\$ 9,620.00	1,376	\$ 20,384.80	87.00	\$ 1,287.60	1463.00	\$ 21,652.40
P-156-5.7	Stabilized Construction Entrance	1	LS	\$ 43,400.00	\$ 43,400.00	1.00	\$ 43,400.00	0.00	\$ -	1.00	\$ 43,400.00
P-156-5.8	Rip-Rap Apron	1	LS	\$ 32,400.00	\$ 32,400.00	1	\$ 32,400.00	0.00	\$ -	1.00	\$ 32,400.00
P-209-5.1	Crushed Aggregate Base Course	1,250	CY	\$ 0.01	\$ 12.50	-	\$ -	0.00	\$ -	0.00	\$ -
P-401-8.1	Bituminous Pavement-Binder Course	800	TON	\$ 100.00	\$ 80,000.00	570	\$ 57,017.00	0.00	\$ -	570.17	\$ 57,017.00
P-401-8.2	Bituminous Pavement-Wearing Course	800	TON	\$ 100.00	\$ 80,000.00	570	\$ 57,017.00	0.00	\$ -	570.17	\$ 57,017.00
P-402-5.1	Porous Pavement	210	TON	\$ 630.00	\$ 132,300.00	389	\$ 244,874.70	0.00	\$ -	388.69	\$ 244,874.70
P-402-5.2	Choker Course	320	CY	\$ 41.00	\$ 13,120.00	274	\$ 11,234.00	0.00	\$ -	274.00	\$ 11,234.00
P-402-5.3	Filter Course	650	CY	\$ 41.00	\$ 26,650.00	548	\$ 22,468.00	0.00	\$ -	548.00	\$ 22,468.00
P-402-5.4	Filter Blanket	320	CY	\$ 41.00	\$ 13,120.00	274	\$ 11,234.00	0.00	\$ -	274.00	\$ 11,234.00
P-402-5.5	Reservoir Course	750	CY	\$ 42.50	\$ 31,875.00	642	\$ 27,285.00	0.00	\$ -	642.00	\$ 27,285.00
P-410-5.1	Sawcutting	510	LF	\$ 22.60	\$ 11,526.00	539	\$ 12,181.40	4.00	\$ 90.40	543.00	\$ 12,271.80
P-602-5.1	Bituminous Prime Coat	1,600	GAL	\$ 0.01	\$ 16.00	-	\$ -	0.00	\$ -	0.00	\$ -
P-603-5.1	Bituminous Tack Coat	320	GAL	\$ 0.01	\$ 3.20	293	\$ 2.93	0.00	\$ -	293.00	\$ 2.93
P-620-5.1	White Paint	210	SF	\$ 5.00	\$ 1,050.00	32	\$ 160.00	0.00	\$ -	32.00	\$ 160.00
P-620-5.2	Yellow Paint	4,100	SF	\$ 1.75	\$ 7,175.00	1,045	\$ 1,828.75	0.00	\$ -	1045.00	\$ 1,828.75
P-620-5.3	Black Paint	8,500	SF	\$ 1.25	\$ 10,625.00	648	\$ 810.00	0.00	\$ -	648.00	\$ 810.00
P-620-5.4	Red Paint	800	SF	\$ 2.50	\$ 2,000.00	-	\$ -	0.00	\$ -	0.00	\$ -
D-701-5.1	12-inch HDPE	810	LF	\$ 40.00	\$ 32,400.00	471	\$ 18,840.00	53.00	\$ 2,120.00	524.00	\$ 20,960.00
D-701-5.2	18-inch HDPE	320	LF	\$ 46.00	\$ 14,720.00	-	\$ -	191.00	\$ 8,786.00	191.00	\$ 8,786.00

Item No.	Item Description	Total Quantity	Units	Unit Price	Extended Amount	Previous Estimate Quantity	Previous Estimate Amount	Current Estimate Quantity	Current Estimate Amount	Quantities to date	Total Amount
D-701-5.3	6-inch HDPE Perforated Underdrain	740	LF	\$ 10.00	\$ 7,400.00	719	\$ 7,190.00	0.00	\$ -	719.00	\$ 7,190.00
D-701-5.4	15-inch HDPE	25	LF	\$ 45.00	\$ 1,125.00	-	\$ -	5.00	\$ 225.00	5.00	\$ 225.00
D-751-5.1	Deep Sump Catch Basin, including frame	7	EA	\$ 15,300.00	\$ 107,100.00	4	\$ 61,200.00	0.11	\$ 1,693.00	4.11	\$ 62,893.00
D-751-5.2	Drainage Manhole, including frame and	8	EA	\$ 17,400.00	\$ 139,200.00	3	\$ 52,200.00	2.29	\$ 39,846.00	5.29	\$ 92,046.00
D-752-5.1	Gas/Oil Water Separator	2	EA	\$ 34,700.00	\$ 69,400.00	1	\$ 34,700.00	0.27	\$ 9,369.00	1.27	\$ 44,069.00
G-152-6.1	Woven Geotextile	8,100	SY	\$ 3.00	\$ 24,300.00	3,650	\$ 10,950.00	0.00	\$ -	3,650.00	\$ 10,950.00
G-152-6.2	Non-Wove Geotextile	230	SY	\$ 10.00	\$ 2,300.00	338	\$ 3,380.00	0.00	\$ -	338.00	\$ 3,380.00
T-901-5.1	General Seeding	4	AC	\$ 8,700.00	\$ 30,450.00	3.68	\$ 32,016.00	0.00	\$ -	3.68	\$ 32,016.00
T-905-5.1	Topsolling	2,100	CY	\$ 0.01	\$ 21.00	-	\$ -	0.00	\$ -	0.00	\$ -
T-908-5.1	Mulching	4	Acre	\$ 4,840.00	\$ 16,940.00	3.68	\$ 17,811.20	0.00	\$ -	3.68	\$ 17,811.20
L-108-5.1	Cable Trench	4,100	LF	\$ 5.30	\$ 21,730.00	2,552	\$ 13,525.60	0.00	\$ -	2,552.00	\$ 13,525.60
L-108-5.2	No 8 AWG, 5KV, Type C, 7 Strand, L-82	4,300	LF	\$ 1.80	\$ 7,740.00	3,011	\$ 5,419.80	0.00	\$ -	3,011.00	\$ 5,419.80
L-108-5.3	No 6 Bare Counterpoise Wire, installed	4,300	LF	\$ 3.00	\$ 12,900.00	-	\$ -	0.00	\$ -	0.00	\$ -
L-108-5.4	Miscellaneous Electrical	1	LS	\$ 51,100.00	\$ 51,100.00	0.50	\$ 25,550.00	0.50	\$ 25,550.00	1.00	\$ 51,100.00
L-110-5.1	4" 4-Way Concrete Encased Electrical	170	LF	\$ 80.50	\$ 13,685.00	87	\$ 7,003.50	0.00	\$ -	87.00	\$ 7,003.50
L-110-5.2	Concrete Duct Marker	33	EA	\$ 225.00	\$ 7,425.00	-	\$ -	0.00	\$ -	0.00	\$ -
L-115-5.1	Electrical Handhole	6	EA	\$ 5,970.00	\$ 35,820.00	2	\$ 11,940.00	0.00	\$ -	2.00	\$ 11,940.00
L-125-5.1	Relocate Taxiway Edge Light-Stake Moun	32	EA	\$ 380.00	\$ 12,160.00	22	\$ 8,360.00	0.00	\$ -	22.00	\$ 8,360.00
L-125-5.2	Relocate Taxiway Edge Light-Base Moun	9	EA	\$ 475.00	\$ 4,275.00	7	\$ 3,325.00	0.00	\$ -	7.00	\$ 3,325.00
L-125-5.3	New Taxiway Edge Light-Base Mounted	3	EA	\$ 950.00	\$ 2,850.00	-	\$ -	0.00	\$ -	0.00	\$ -
L-125-5.4	New Runway Edge Light-Base Mounted	1	EA	\$ 980.00	\$ 980.00	-	\$ -	0.00	\$ -	0.00	\$ -
L-125-5.5	New Guide Sign	1	EA	\$ 5,400.00	\$ 5,400.00	-	\$ -	0.00	\$ -	0.00	\$ -
L-125-5.6	Relocate Existing Guide Sign and Base	7	EA	\$ 1,790.00	\$ 12,530.00	1	\$ 1,790.00	0.00	\$ -	1.00	\$ 1,790.00
L-125-5.7	Relocate Existing Reflexive Metal Sign	2	EA	\$ 75.00	\$ 150.00	-	\$ -	0.00	\$ -	0.00	\$ -
L-125-5.8	Replace Sign Panel	2	EA	\$ 350.00	\$ 700.00	-	\$ -	0.00	\$ -	0.00	\$ -
L-125-5.9	Runway Closure Markers	2	EA	\$ 26,900.00	\$ 53,800.00	1.25	\$ 33,625.00	0.50	\$ 13,450.00	1.75	\$ 47,075.00
6A	11/1 HMA pay adjustment	1	LS	\$ (1,081.73)	\$ (1,081.73)	-	\$ -	1.00	\$ (1,081.73)	1.00	\$ (1,081.73)
6B	11/10 HMA pay adjustment	1	LS	\$ (10,032.31)	\$ (10,032.31)	-	\$ -	1.00	\$ (10,032.31)	1.00	\$ (10,032.31)
6C	11/14 HMA pay adjustment	1	LS	\$ (2,856.67)	\$ (2,856.67)	-	\$ -	1.00	\$ (2,856.67)	1.00	\$ (2,856.67)
1	Flaggers	1	LS	\$ 50,432.48	\$ 50,432.48	-	\$ -	1.00	\$ 50,432.48	1.00	\$ 50,432.48
2	Construction mats	1	LS	\$ 28,352.00	\$ 28,352.00	-	\$ -	1.00	\$ 28,352.00	1.00	\$ 28,352.00
3	Tire removal	1	LS	\$ 7,630.11	\$ 7,630.11	-	\$ -	1.00	\$ 7,630.11	1.00	\$ 7,630.11
4	Rip Rap	1	LS	\$ 32,755.28	\$ 32,755.28	-	\$ -	1.00	\$ 32,755.28	1.00	\$ 32,755.28
5	Pipe	1	LS	\$ 2,649.00	\$ 2,649.00	-	\$ -	1.00	\$ 2,649.00	1.00	\$ 2,649.00
7	Cullen Electric Ledge	1	LS	\$ 12,254.00	\$ 12,254.00	-	\$ -	1	\$ 12,254.00	1.00	\$ 12,254.00
8	Stored materials	1	LS	\$ 18,298.98	\$ 18,298.98	-	\$ -	1	\$ 18,298.98	1.00	\$ 18,298.98
	Misc. increased contract qty adjustment	1	LS	\$ 491.24	\$ 491.24	-	\$ -	-	\$ -	-	\$ -
TOTALS:					\$1,944,552.28		1,696,247.04		\$ 248,305.24		1,944,552.28