

Dec. 11, 2014

Lawrence Aviation Advisory Board Approved  
5-Year ACIP list  
for the Lawrence Municipal Airport

2016	*Install Wildlife Perimeter Fence w/ control gates	\$950,000
	Complete TWY B extension for 1/19	\$450,000
2017	*Reconstruct terminal apron - mill & overlay	\$1,360,000
2018	*Reconstruct RWY 15-33 - mill & overlay	\$2,000,000
2019	Complete land acquisition of RWY 1/19 approaches	\$190,000
2020	Implement Drainage Study recommendations	\$1,500,000
2021	Extend RWY 15-33 400 feet with twy, lights, etc.	\$2,500,000
2022	Install new Airport Lighting System & Vault	\$750,000
2023	SRE, ARFF Equipment and Storage Building	\$750,000

\*FAA programmed in 5-Year ACIP forecast as of 10/2014

**Future Considerations**

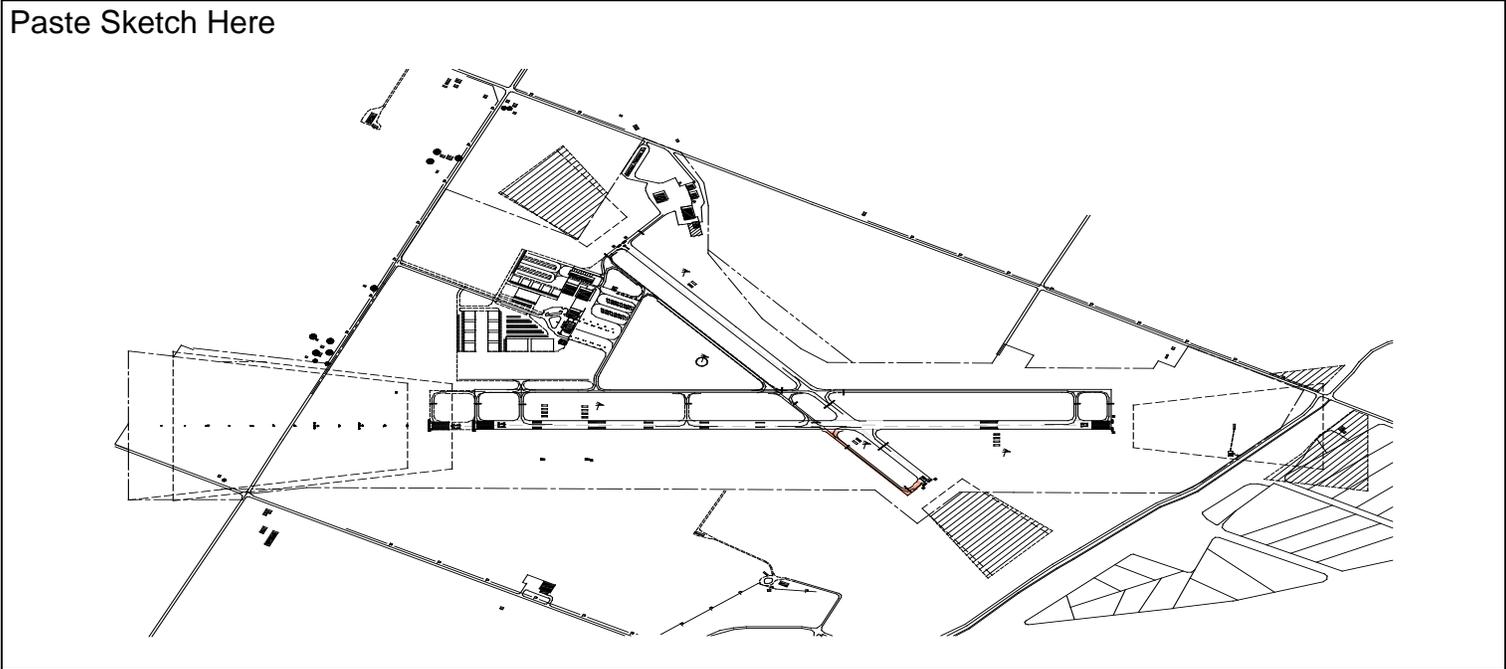
20-Unit T-Hangar Complex w/ Electric Bi-fold Doors & taxiways	\$1,600,000
East Apron Expansion Phase I (20,000 S.Y. +/-)	\$2,310,000
East Apron Expansion, Phase II (15,000 SIY. +/-)	\$1,910,000
Expand Aircraft Parking Apron (Phase III) (15,000 S.Y.)	\$1,925,000
Self-Serve Fuel Station for 100LL	\$150,000



<b>AIRPORT</b>	Lawrence Municipal Airport	<b>LOCID</b>	<b>LWC</b>	<b>LOCAL PRIORITY</b>	
<b>PROJECT DESCRIPTION</b>	TWY B Extension for RWY 1/19			Identify FFY that you desire to construct (FFY: Oct. 1-Sept. 30)	2016

**SKETCH:**

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**JUSTIFICATION:**

To maintain a smooth flow of ground traffic, increase the airport's margin of safety for ground operations, and to increase runway capacity, a partial parallel taxiway to Runway 1-19 will be constructed. This taxiway will be located on the east side of the runway at a separation of 225 feet from the runway centerline and a width of 25 feet. Medium intensity taxiway edge lighting and airfield signage will be included in this item. Pavements will be designed to accommodate 12,500 lbs. SWG and marked in accordance with current standards. Construction offset parallel taxiway to Runway 1-19 will eliminate the need to back taxi on the north end of the runway.

**COST ESTIMATE:** (Attach detailed cost estimate)

<b>Federal(90%)</b>	<b>\$405,000</b>	<b>State</b>	<b>\$0</b>	<b>Local (10%)</b>	<b>\$45,000</b>	<b>Total</b>	<b>\$450,000</b>
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**SPONSOR'S VERIFICATION:**

For each and every project as applicable

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<b>If needed</b>	- Date of pavement maintenance program
<b>If needed</b>	- Snow removal equipment inventory & sizing worksheet (for SRE acquisition)
<b>If needed</b>	- Apron sizing worksheet (for apron projects)
<b>Revenue producing facilities</b>	(for fuel farms, hangers, etc.)
<b>If needed</b>	- Date statement submitted for completed airside development

<b>FAA USE ONLY</b>
FAA Verification: (initial/date)

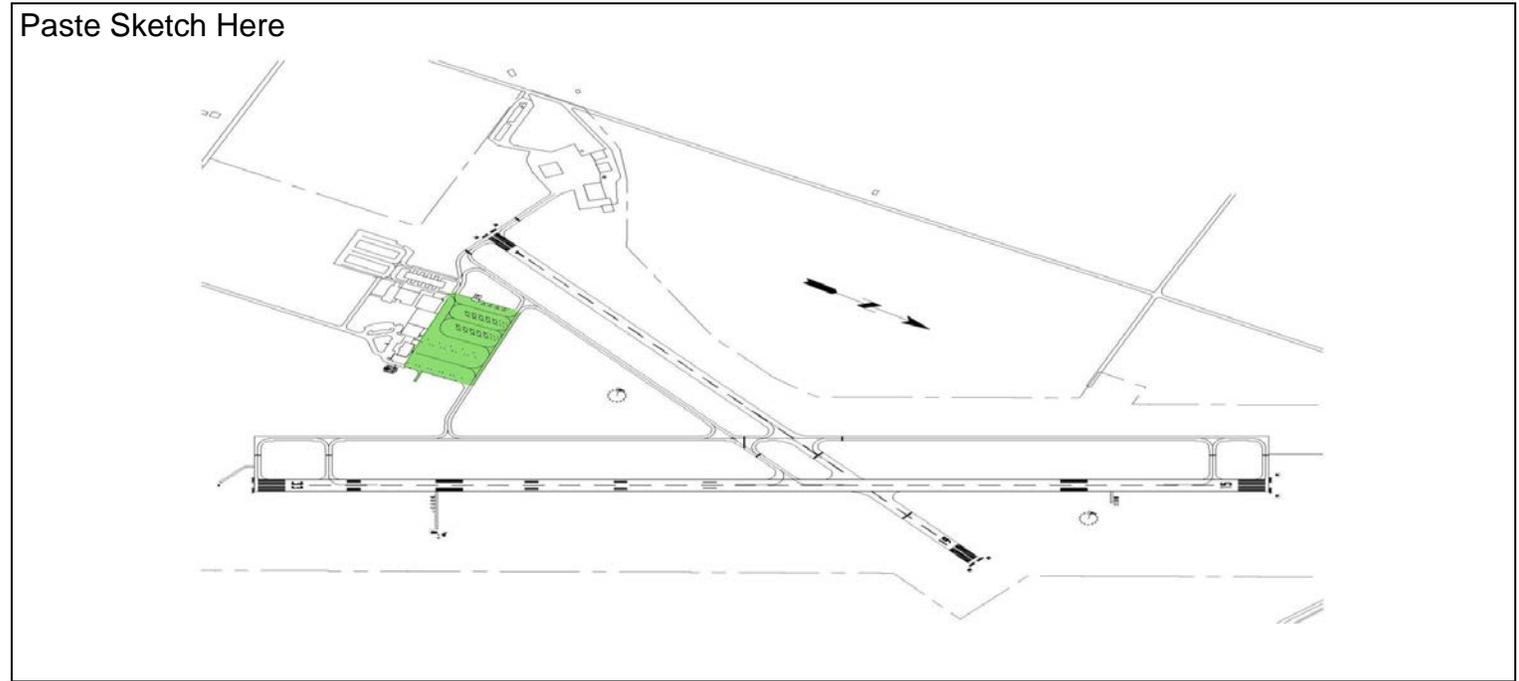
SPONSOR'S SIGNATURE: \_\_\_\_\_ DATE: Enter Date

PRINTED NAME: Charles F. Soules TITLE: Public Works Director

PHONE NUMBER: 785.832.3123

<b>AIRPORT</b>	Lawrence Municipal Airport	<b>LOCID</b>	LWC	<b>LOCAL PRIORITY</b>	
<b>PROJECT DESCRIPTION</b>	Reconstruct Terminal Apron			Identify FFY that you desire to construct (FFY: Oct. 1-Sept. 30)	2017

**SKETCH:**



**JUSTIFICATION:**

The main apron at LWC has an old coal tar slurry that is cracked (egg-shelled) and needs to be resurfaced. There are areas on the apron that need to be reconstructed due to heavy business jet traffic along with typical weathering and cracking over time. The rehabilitation will include milling off the existing surface and applying an overlay. Reconstruction will include full-depth asphalt removal, preparation of the underlying base and reconstruction of the asphalt section.

**COST ESTIMATE:** (Attach detailed cost estimate)

**Federal (90%)    \$1,224,000                      State    \$0                      Local (10%)    \$136,000                      Total    \$1,360,000**

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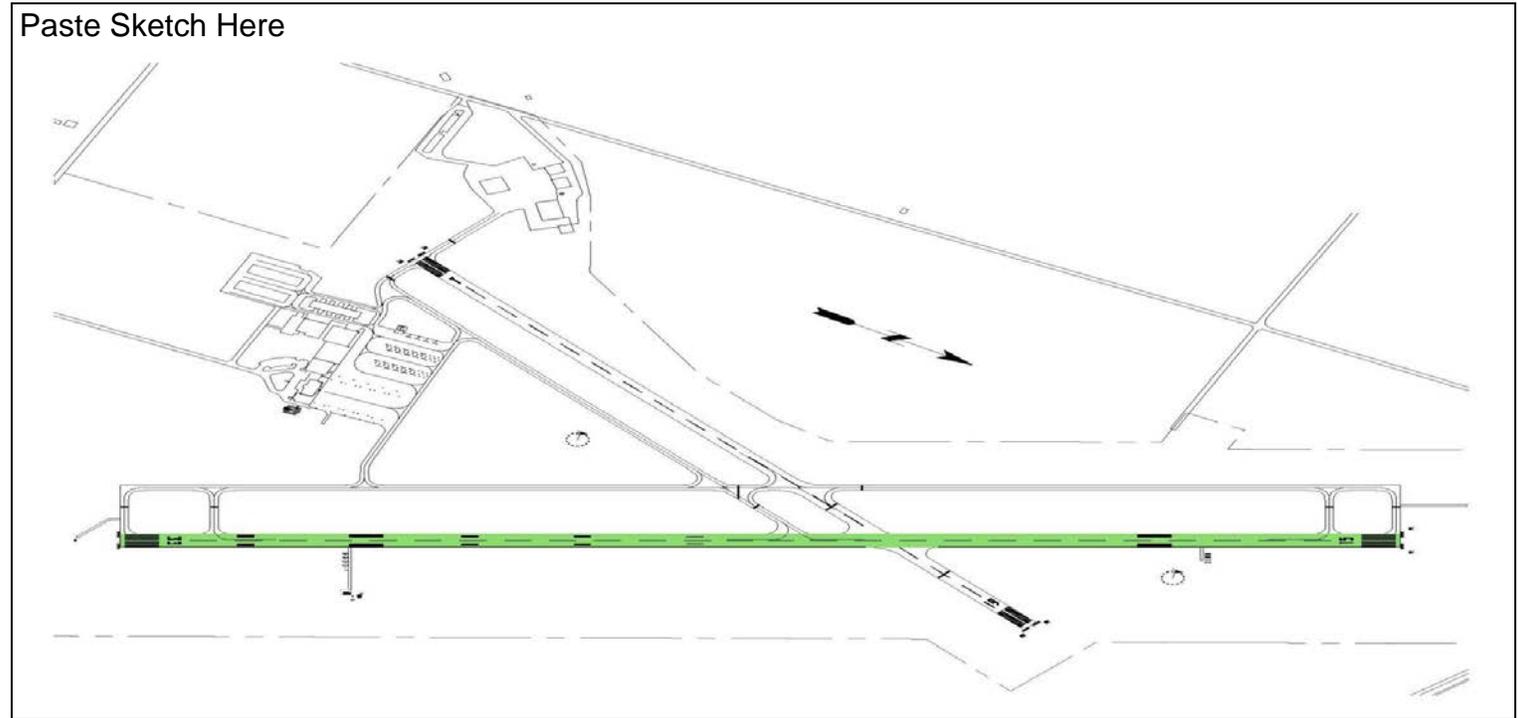
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<b>AIRPORT</b>	Lawrence Municipal Airport	<b>LOCID</b>	LWC	<b>LOCAL PRIORITY</b>	
<b>PROJECT DESCRIPTION</b>	Reconstruct RWY 15/33			Identify FFY that you desire to construct (FFY: Oct. 1-Sept. 30)	2018

**SKETCH:**



**JUSTIFICATION:**

The main Runway (15-33) currently has weathering and block cracking throughout. A 2013 sealcoat project extended the life of the surface but resurfacing will be necessary by 2018. The rehabilitation will include milling off the existing surface and applying an overlay. No reconstruction areas are anticipated. Also, new surface markings and striping will be required per FAA design standards on the reconstructed surface. The overlay will add strength and enhanced service longevity to the runway and provide increased utility to heavier business jets using the airport. .

**COST ESTIMATE:** (Attach detailed cost estimate)

<b>Federal (90%)</b>	<b>\$1,800,000</b>	<b>State</b>	<b>\$0</b>	<b>Local (10%)</b>	<b>\$200,000</b>	<b>Total</b>	<b>\$2,000,000</b>
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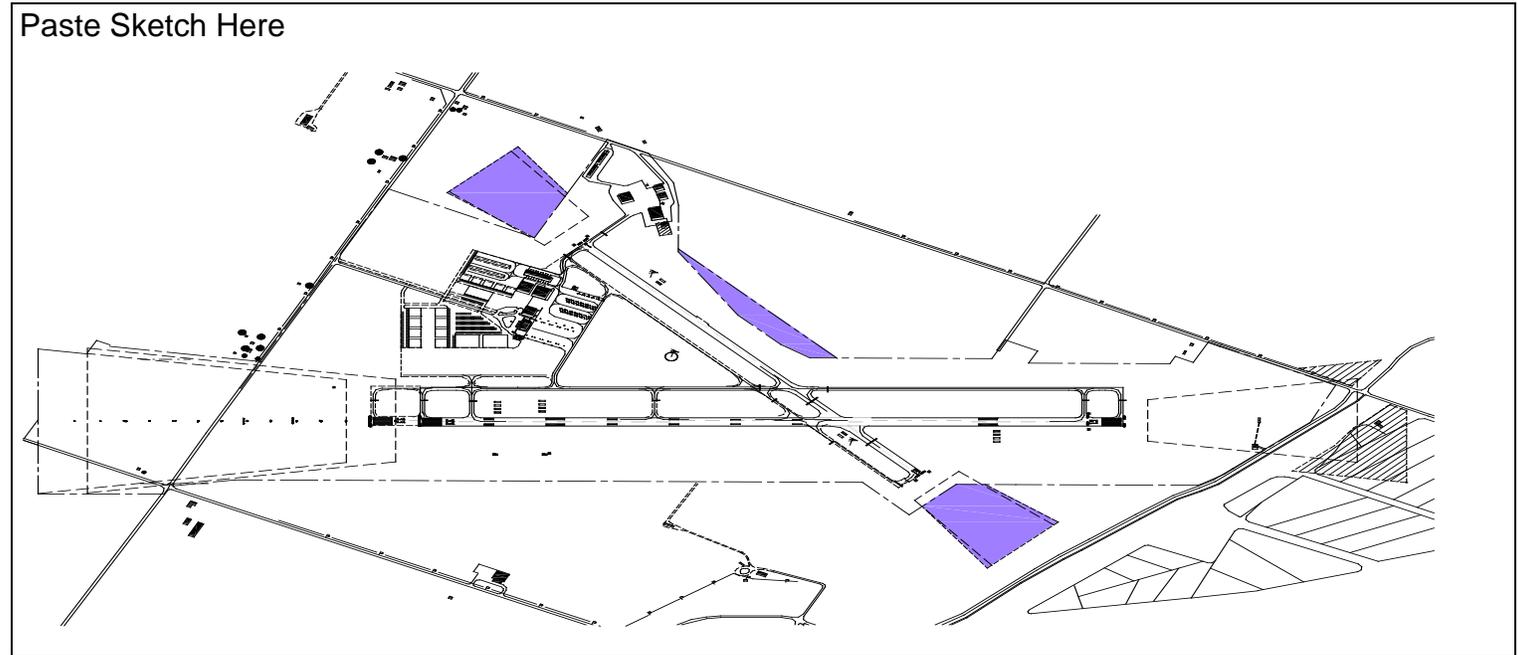
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<b>AIRPORT</b>	Lawrence Municipal Airport	<b>LOCID</b>	LWC	<b>LOCAL PRIORITY</b>	
<b>PROJECT DESCRIPTION</b>	Complete Land Acquisition of RWY 1/19 Approaches			<b>Identify FFY that you desire to construct (FFY: Oct. 1-Sept. 30)</b>	2019

**SKETCH:**



**JUSTIFICATION:**

Acquire property off ends of Runway 1/19 to comply with enhanced FAA runway protection zone requirements and allow city to own property outright rather through an aviation easement with property owner. The tracts will be acquired in fee. Note: The thin purple property tract on the west side of the airfield has already been acquired under a previous FAA grant.

**COST ESTIMATE:** (Attach detailed cost estimate)

<b>Federal(90%)</b>	<b>\$171,000</b>	<b>State</b>	<b>\$0</b>	<b>Local (10%)</b>	<b>\$19,000</b>	<b>Total</b>	<b>\$190,000</b>
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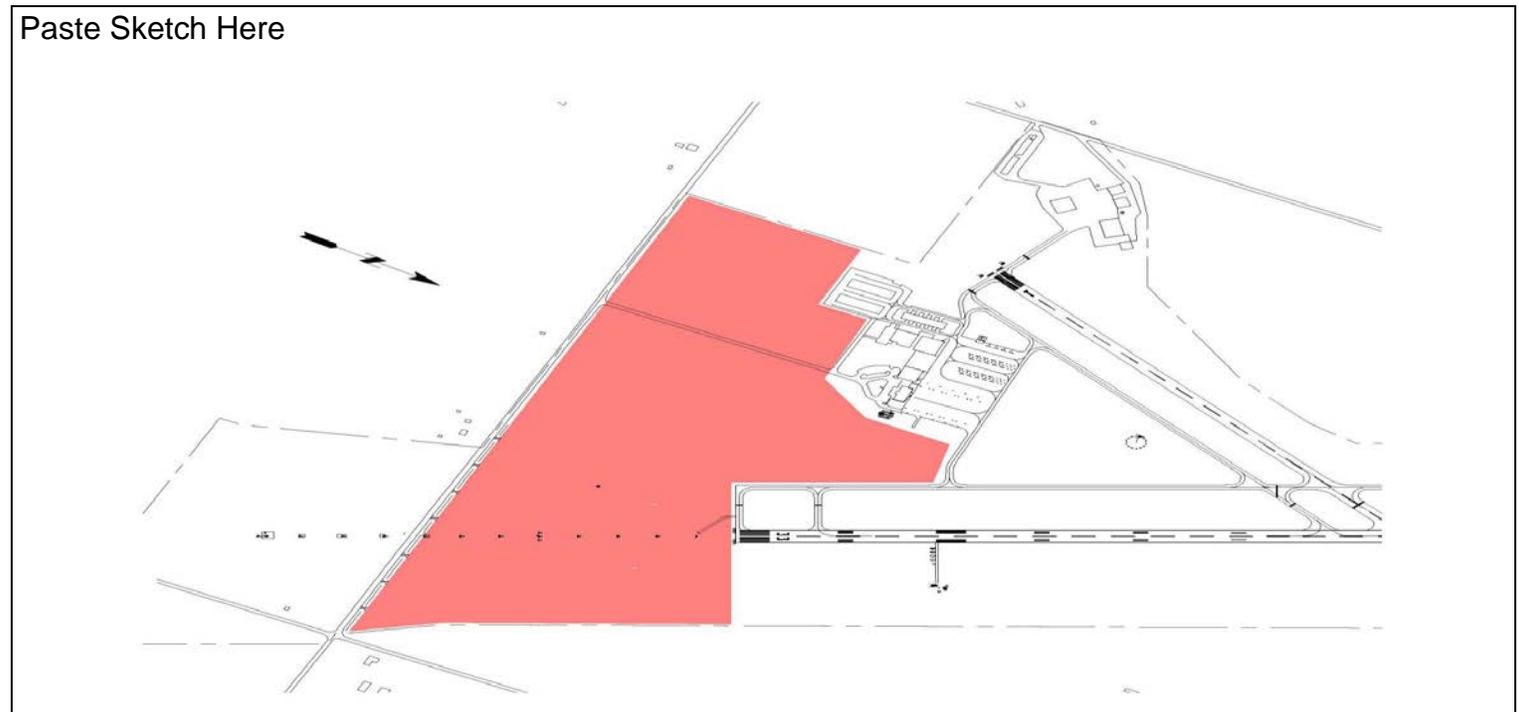
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<b>AIRPORT</b>	Lawrence Municipal Airport	<b>LOCID</b>	LWC	<b>LOCAL PRIORITY</b>	
<b>PROJECT DESCRIPTION</b>	Implement Drainage Study Recommendations			<b>Identify FFY that you desire to construct (FFY: Oct. 1-Sept. 30)</b>	2020

SKETCH:



**JUSTIFICATION:**

Recommendations from the 2012 Wildlife Hazard Assessment and 2014 Environmental Assessment are driving improvements to drainage enhancements at the south end of the airport property. These enhancements will reduce wildlife habitat for avian species and create a safer operating environment for aircraft; and better manage waterflow throughout the Kaw Valley Drainage District. Also, these improvements will recover additional acreage of airport property that potentially could be used for revenue-producing property at the airport. A complete list of the recommendations will be finalized in 2015 when the Environmental Assessment is complete and presented to the city.

**COST ESTIMATE:** (Attach detailed cost estimate)

<b>Federal(90%)</b>	<b>\$1,350,000</b>	<b>State</b>	<b>\$0</b>	<b>Local (10%)</b>	<b>\$150,000</b>	<b>Total</b>	<b>\$1,500,000</b>
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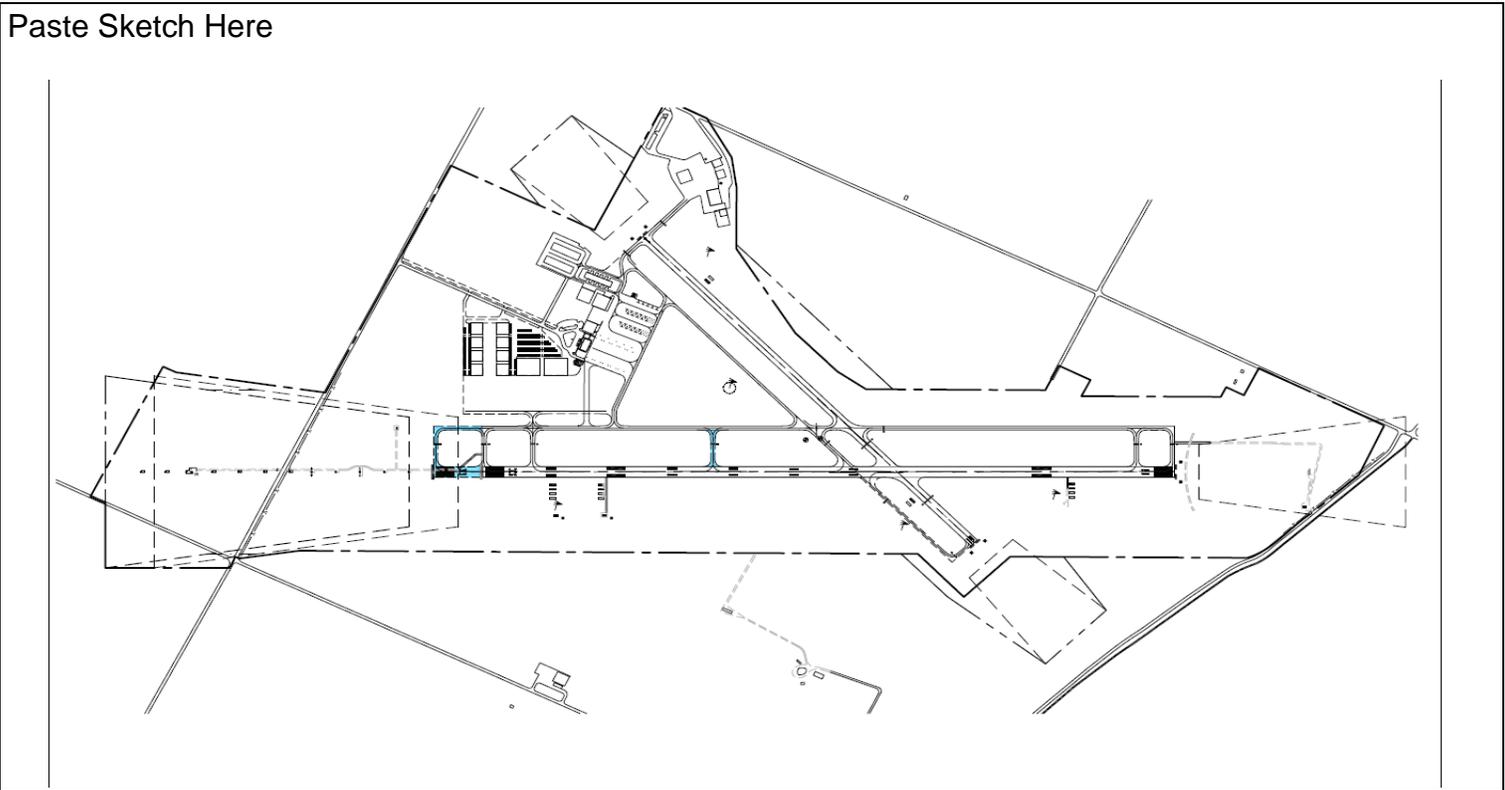
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<b>AIRPORT</b>	Lawrence Municipal Airport	<b>LOCID</b>	LWC	<b>LOCAL PRIORITY</b>	
<b>PROJECT DESCRIPTION</b>	Extend Runway 15-33 By 400 Feet To The South, Extend Parallel Taxiway, Airfield Lighting and Signage, Relocate Glide Slope and MALSR.			Identify FFY that you desire to construct (FFY: Oct. 1-Sept. 30)	2021

**SKETCH:**

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**JUSTIFICATION:**

To meet market demand and access to the Lawrence Municipal Airport by larger, heavier business jets, Runway 15-33 will be extended from 5,700 feet to 6,100 feet to accommodate ARC class C and D aircraft with significant nautical mile range.

**COST ESTIMATE:** (Attach detailed cost estimate)

**Federal(90%) \$2,250,000 State \$0 Local (10%) \$250,000 Total \$2,500,000**

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