



AGENDA MEMORANDUM
City Council Meeting of July 16, 2019

DATE: June 26, 2019
TO: Peter Zaroni, City Manager
FROM: Kelly Quintanilla, President of Texas A&M University – Corpus Christi
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Lone Star UAS Center of Excellence & Innovation

OUTSIDE PRESENTER(S):

<u>Name</u>	<u>Title/Position</u>	<u>Organization</u>
1. Kelly Quintanilla	President	Texas A&M – Corpus Christi

BACKGROUND:

This test event is the culmination of a five-year effort by NASA to develop and test for the creation of an Unmanned Aerial System (UAS) Urban Traffic Management (UTM) system. Lone Star UAS is one of two sites selected from seven FAA-designated test sites to test the behavior of UAS in complex, urban environments. The goal of this event is to combine the complex technologies of UTM hardware and software to ensure their safe use in avoiding collisions and landing among existing structures and modes of transportation present in cities.

The University and NASA's UTM team will complete 5 test scenarios in downtown Corpus Christi to assess UAS Traffic Management capabilities in an urban environment. The team will conduct flights with up to 10 live Unmanned aircraft Systems in the air and up to 15 simulated systems simultaneously in a series of controlled environment events along pre-determined paths.

LIST OF SUPPORTING DOCUMENTS:

PowerPoint – Lone Star UAS Center of Excellence & Innovation