



CITY OF SUGAR LAND

Engineering Department

CIP Project Number: AP0802

Title: Pavement Evaluation

Project Phase: PER

% of Phase Completion

PER



Cost for this Phase: \$ 7,500 (5% sponsor share)

Funding Sources: Airport Revenues with 95/5 TxDOT Grant

Project Manager: Anne Gaines w/ TxDOT

Contractor: TBD

Consultant: KSA Engineers

Project Description: Study to evaluate the physical condition of the airfield concrete pavement with resulting recommendations for rehab. Will be funded by a 90/10 TxDOT Aviation Grant (with the Airport share being 10% of the total project cost).

Justification: It is critical that the airport keep existing airfield pavement in excellent condition. This evaluation will determine the strength of existing runway, taxiway and apron pavements, identify weak or failing pavement, and make recommendations for rehabilitation. This report is expected to be valid for several years.

Update: December 2008 - Project awaiting grant funding from TxDOT Aviation. It is unknown when the funding will be available.

January 2009- Project awaiting grant funding from TxDOT Aviation.

February 2009- Project awaiting grant funding from TxDOT Aviation.

March 2009- Project awaiting grant funding from TxDOT Aviation.

April 2009- Project awaiting grant funding from TxDOT Aviation.

May 2009 – Project has been identified for 95/5 grant funding by TxDOT Aviation. Staff has prepared a Resolution that will go before City Council in June for approval. Project is on the agenda for the July Texas Transportation Commission for funding.

June 2009 - Resolution will go before City Council June 16, 2009, naming TxDOT Aviation as the City's Agent for grant funding. Project will go before the Texas Transportation Commission in July 2009 for funding approval (design).

September 2009- Project was approved for funding. Airport is in receipt of a grant from TxDOT Aviation in the amount of \$150,000 (5% sponsor share of \$7500).

October 2009- Fee proposal/negotiations between KSA Engineers and TxDOT Aviation in progress.

November 2009 – Negotiations in progress.

December 2009 – Negotiations in progress. Staff met with KSA Engineers and TxDOT on 12/16/09 to discuss testing methods and scope. PER Phase is 0% complete.

January 2010 – Negotiations in progress. PER Phase is 0% complete.

February 2010 – Negotiations in progress. PER Phase is 0% complete.

March 2010 – Fee proposal/negotiations between KSA Engineers and TxDOT Aviation in progress. PER Phase is 0% complete.

April 2010 – Fee proposal/negotiations between KSA Engineers and TxDOT Aviation in progress. PER Phase is 0% complete.

May 2010 – Fee proposal/negotiations between KSA Engineers and TxDOT Aviation in progress. PER Phase is 0% complete.

June 2010 – TxDOT Aviation has negotiated contract with KSA Engineers. Testing equipment in process of being scheduled.

July 2010 – RDD (rolling dynamic deflectometer) Testing completed 7/19/10 – 7/22/10 (11 PM – 5 AM). Tests profiled the runway (8 passes), parallel taxiway (2 passes), and stub taxiways/rwy cross (5 passes).

August 2010 – RDD (rolling dynamic deflectometer) test results compiled by TxDOT and forwarded to KSA Engineers. KSA will begin visual examination of all pavement panels in September.

September 2010 – RDD (rolling dynamic deflectometer) testing was completed 7/19/10 – 7/22/10 (11 PM – 5 AM). Tests profiled the runway (8 passes), parallel taxiway (2 passes), and stub taxiways/rwy cross (5 passes). The RDD test results were compiled by TxDOT Aviation in August and were forwarded to KSA Engineers. In September, KSA began visual examination of all pavement panels for cracks, spalling and any other deficiencies. To date, the aprons and Taxiway H have been completed. Visual inspection of the parallel taxiway began 9/14/10, and will be followed by the visual inspection of the runway. All of this data will be used to determine which areas, if any, require repair or replacement.



City of Sugar Land
Capital Improvement Program

AP0802
Pavement Evaluation

