



CITY OF CONCORD

REPORT TO THE MAYOR AND CITY COUNCIL

FROM: Martha Drukker, Associate Engineer

DATE: March 21, 2018

SUBJECT: Municipal Airport Grant Application – CIP # 468 Taxiway A Rehabilitation Construction for Runway 17/35 Phase I&II, Crack Seal and Mark Runways 17/35 and 12/30 and Obstruction Removal.

Recommendation

Authorize the City Manager to submit a grant application for up to \$2,850,000 to the New Hampshire Department of Transportation (NHDOT), Bureau of Aeronautics for the purpose of constructing the rehabilitation to Taxiway A for Runway 17/35 Phase I&II, crack sealing and marking Runways 17/35 and 12/30 and obstruction removal as programmed in the Capital Budget.

Background

The City received a grant from the NHDOT to design the rehabilitation, lighting, marking and hold apron for Taxiway A in the spring of 2016. Crack sealing and marking runways 12/30 and 17/35 was added to the project after meeting with New Hampshire Department of Transportation representatives at our annual capital improvement review meeting in the fall of 2017.

The parallel taxiway has not been resurfaced since the early 1990's. Reshaping and paving the taxiway surface is required to maintain support of the primary Runway 17/35. In addition, the taxiway lighting and markings need to be upgraded to comply with current Federal Aviation Administration (FAA) design criteria.

Crack sealing and marking aircraft pavement surfaces is now eligible for the Federal Airport Improvement Grant Program (90% federal and 5% each city and state project funding). Crack sealing and marking the two runways when Taxiway A is rehabilitated will reduce overall project costs and postpone the full reconstruction of the main Runway 17/35 for a few years.

Discussion

In April 2017 the City Council authorized the City Manager to apply for a grant from New Hampshire Department of Transportation (NHDOT) for the construction of Phase I of the Taxiway A reconstruction Project. In the fall of 2017, NHDOT notified the City that federal funds for the Taxiway A project would not be available due to these funds being reallocated to other airports where unanticipated safety issues needed to be addressed.

Phase I&II of the reconstructed taxiway will serve Runway 17/35 and is approximately 5,000 feet long. The taxiway pavement will be 50 feet wide and will have edge lighting and upgraded signage as required. The rehabilitation of the taxiway will have minimal impact on the natural resources identified within the designated conservation zones.

Crack sealing and marking the runways will increase the longevity of the pavement life and postpone to future years the expense of a full runway reconstruction project.

At the 2017 annual airport inspection conducted by NHDOT obstructions (trees) were observed in the southern and eastern portions of the airport and on Lawrence Street that penetrate the airspace. NHDOT requested the removal of these trees be included in the 2018 grant application.

The requested funding, for Phases 1 & 2, is up to \$2,850,000 of which 90% is the federal share (\$2,565,000) and 5% is City and State share (\$142,500 each).

This project was supported by the Airport Advisory Committee at their November 2017 meeting. This resolution will allow the City Manager to submit a grant application on behalf of the City of Concord. Grant applications need to be submitted to NHDOT in April 2018 and anticipated award will be after July 2018.

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