

ENROLLED ORDINANCE 166-120

MODIFY SCOPE OF TAXIWAY RECONSTRUCTION PROJECT 200702

WHEREAS the County Adopted five-year capital project plans included Airport project 200702 for the reconstruction of Taxiways “C” and , “D”, and

WHEREAS the project was delayed due to lack of available state and federal funding, and

WHEREAS the Federal Aviation Administration (FAA) denied a Modification of Standard (MOS) request that would have allowed reconstruction of Taxiway “C” in its current location, and

WHEREAS Taxiway “C” must be relocated at least 40 feet further east from the original location where there are wetlands, which would require an Environmental Assessment (EA) which requires postponing construction at this time, and

WHEREAS a realignment of Taxiway “C” would affect the amount of Taxiway “D” that could be reconstructed and also necessitates changes to the North Ramp Area, and

WHEREAS approximately 2.1 acres of pavement in the North Ramp Area could be permanently removed.

THE COUNTY BOARD OF SUPERVISORS OF THE COUNTY OF WAUKESHA DOES ORDAIN that the project scope for Capital Project 200702 Taxiways “C”, “D”, Repair and Lighting be modified to remove the Taxiway “C” reconstruction and include the environmental assessment for the relocation of Taxiway “C”.

BE IT FURTHER ORDAINED that Capital Project 200702 Taxiways “C”, “D”, Repair and Lighting be renamed to Taxiways and North Ramp Pavement Reconstruction, and the project scope be modified to include the North Ramp Area pavement reconstruction and removal of pavement no longer needed.

MODIFY SCOPE OF TAXIWAY RECONSTRUCTION PROJECT 200702

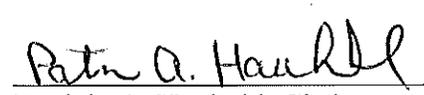
Presented by:  
Executive Committee

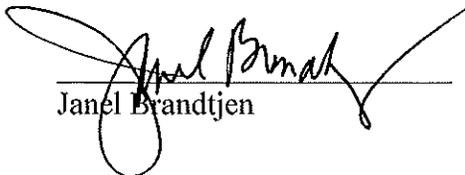
Approved by:  
Public Works Committee

Approved by:  
Finance Committee

  
James T. Dwyer, Chair

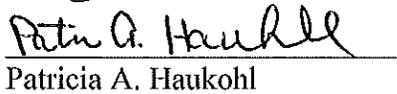
  
David W. Swan, Chair

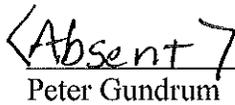
  
Patricia A. Haukohl, Chair

  
Janel Brandtjen

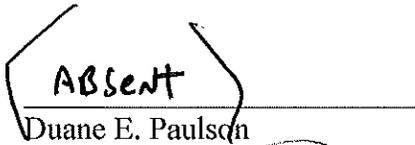
  
Daniel J. Draeger

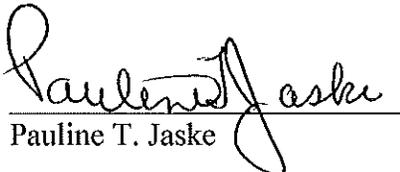
  
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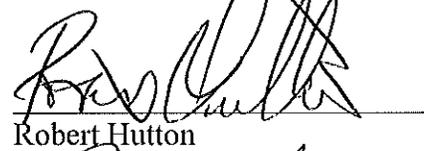
  
Patricia A. Haukohl

  
Peter Gundrum

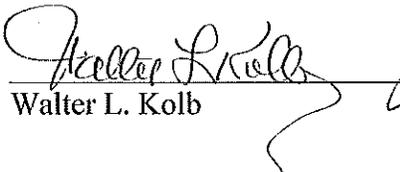
  
James A. Heinrich

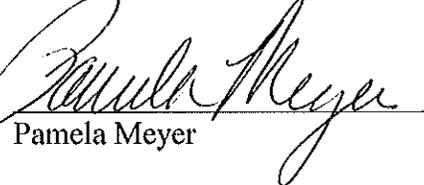
  
Duane E. Paulson

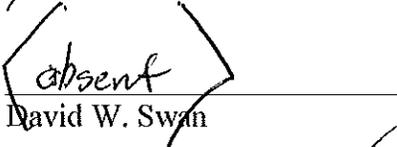
  
Pauline T. Jaske

  
Robert Hutton

  
Fritz Ruf

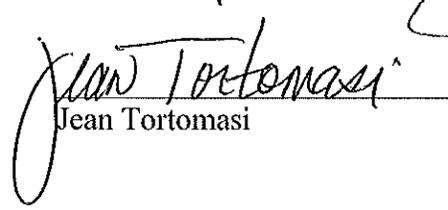
  
Walter L. Kolb

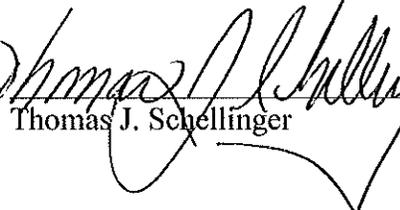
  
Pamela Meyer

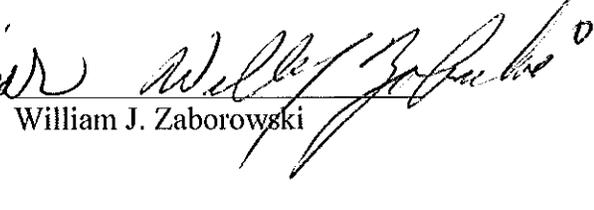
  
David W. Swan

  
Pamela Meyer

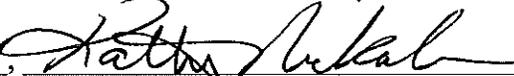
  
Ted Rolfs

  
Jean Tortomasi

  
Thomas J. Schellinger

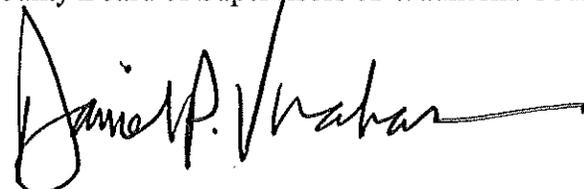
  
William J. Zaborowski

The foregoing legislation adopted by the County Board of Supervisors of Waukesha County, Wisconsin, was presented to the County Executive on:

Date: 4/13/12,   
Kathy Nickolaus, County Clerk

The foregoing legislation adopted by the County Board of Supervisors of Waukesha County, Wisconsin, is hereby:

Approved: X  
Vetoed: \_\_\_\_\_

Date: 4-18-12,   
Daniel P. Vrakas, County Executive

<b>Project #</b>	A-200702	<b>Project Title:</b>	<u>Taxiways and North Ramp Reconstruction</u>
<b>Department:</b>	Public Works/Airport	<b>Public Works</b>	Allison Bussler, Director
<b>Phase:</b>	<u>Construction</u>		
<b>Budget Action:</b>	C-Scope	<b>Date:</b>	March 21, 2012

<b>CAPITAL BUDGET SUMMARY</b>			
Year	2008	2009	Total
Project Phase	Design	Construction	Project
Expenditure Budget	\$110,000	\$10,000	\$120,000
Revenue Budget	<u>\$110,000</u>	<u>\$10,000</u>	<u>\$120,000</u>
Net County Cost	\$0	\$0	\$0
<b>COST DOCUMENTATION</b>		<b>REVENUE</b>	
Construction	\$1,904,844	WI BOA 5%	\$119,000
Design/Admin	\$476,211	FAA 90%	\$2,142,950
		Project dependent on available Federal and/or State Funding	
Total Project Cost	<u>\$2,381,055</u>	Total Revenue	<u>\$2,261,950</u>
<b>EXPENDITURE BUDGET</b>	<b>\$120,000</b>	<b>REVENUE BUDGET</b>	<b>\$120,000</b>

**Project Scope & Description**

Environmental Assessment to realign Taxiway "C" to meet current separation standards from Runway 18/36. Reconstruct the pavement on Taxiway "D", east of the control tower, approximately 300 ft. of Taxiway "F" between taxiways "A" and "D". and install LED edge lighting and guidance signs at the Taxiway "D" and "F" intersection. Design North Ramp reconfiguration and removal of unnecessary pavement that would accommodate a realigned Taxiway "C" and ultimate safety area improvements.

**Location**

Taxiways "C", Taxiway "D" and Taxiway "F" and the North Ramp Area

**Analysis of Need**

Taxiway "D" east of Taxiway "C", and the portion of Taxiway "F" north of Taxiway "D" reached the end of their projected useful life in 2007. This project was originally part of the 18/36 reconstruction project in 2006, but was cut due to the lack of available federal funding. Significant cracking and pavement displacement has already taken place on the old section of Taxiway "F" and along several areas along Taxiway "D". Along Taxiway "D" there are no intersection guidance signs, which does not meet current standards and there are no edge lights only reflectors. The north ramp consists of old pavement sections that were for the old terminal building. At least 2 acres of this pavement is no longer needed but still requires snow removal and maintenance because it can be used. Realignment of Taxiway "C" and the upcoming safety area projects will require modifications to that pavement. This project is planned to be completed separate from the larger safety area project to reduce the impacts to tenants.

**Alternatives**

Continue to use the pavement as is, but there will be an increased safety risk to aircraft using that pavement. Pavement maintenance costs will increase for continued crack sealing and to repair pavement failures. Also not having guidance signs and continuing to use the reflectors to guide aircraft along the taxiways increases the risk of aircraft losing their way along the taxiways during low visibility conditions and night time operations.

**Ongoing Operating Costs**

Operating costs will include the pavement maintenance of the taxiways when needed, which will be lower than it currently is because there will be less total pavement with the removal of some of the north ramp pavement. Utility costs and of lighting inventory costs will be slightly higher. Also, depreciation expense on the project.

**Previous Action**

Approved as a new project in the 2007-2011 plan. Emergency repairs were made 2 years ago when the base course gave way at the bend on the east end. This closed the Taxiway to the south for several days inconveniencing based customers including Quad Graphics until a concrete repair could be made. Last year \$17,000 was spent on crack sealing pavement in that area and there is settling where an old septic system for the former terminal building was located.

FISCAL NOTE

MODIFY SCOPE OF TAXIWAY RECONSTRUCTION PROJECT 200702

The proposed ordinance modifies capital project 200702 to revise the project name to Taxiways and North Ramp Reconstruction to include a modified project scope. The revised scope will include pavement in the North Ramp Area but eliminate the reconstruction of Taxiway "C" due to the need to relocate the taxiway to meet current runway separation standards. The project scope originally anticipated a wavier to the separation standard, which was requested but denied by the Federal Aviation Administration. The project will include an environmental assessment for the required relocation but a new project will be requested in a future capital plan for reconstruction in a new location. The State project estimates for the revised scope are similar to the current project budget resulting in no change to expenditures resulting in no direct County fiscal impact.



Keith K. Swartz  
Budget Manager  
March 21, 2012

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WAUKESHA COUNTY BOARD OF SUPERVISORS

V

DATE-04/10/12

(ORD) NUMBER-1660120

1 D. FALSTAD.....AYE  
 3 R. HUTTON.....AYE  
 5 J. JESKEWITZ.....AYE  
 7 P. HAUKOHL.....AYE  
 9 J. HEINRICH.....AYE  
 11 F. RUF.....AYE  
 13 P. DECKER.....AYE  
 15 P. MEYERS.....AYE  
 17 J. TORTOMASI.....AYE  
 19 S. WIMMER.....AYE  
 21 W. ZABOROWSKI.....AYE  
 23 D. DRAEGER.....AYE  
 25 G. YERKE.....AYE

2 T. ROLFS.....  
 4 J. DWYER.....AYE  
 6 J. BRANDTJEN.....AYE  
 8 T. SCHELLINGER....AYE  
 10 D. SWAN.....AYE  
 12 P. WOLFF.....AYE  
 14 M. INDA.....AYE  
 16 D. PAULSON.....  
 18 K. CUMMINGS.....AYE  
 20 P. JASKE.....AYE  
 22 P. GUNDRUM.....  
 24 W. KOLB.....AYE

TOTAL AYES-22

TOTAL NAYS-00

CARRIED X

DEFEATED \_\_\_\_\_

UNANIMOUS X

TOTAL VOTES-22

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