June 26, 2019

TO: Members of the Board of Trustees

FROM: Scott A. Jordan
Executive Vice President for Administration and Chief Financial Officer

John A. Elliott
Interim Provost and Executive Vice President for Academic Affairs

RE: Project Budget for Gampel Pavilion Wireless Infrastructure Expansion
(Final: $550,000)

RECOMMENDATION:

That the Board of Trustees approve the Final Budget of $550,000, as detailed in the attached project budget, for the Gampel Pavilion Wireless Infrastructure Expansion project, for design and construction. The Administration recommends that the Board of Trustees adopt the Resolution below.

RESOLUTION:

“Be it resolved that the Board of Trustees approve the use of $550,000 in UCONN 2000 bond funds for the Gampel Pavilion Wireless Infrastructure Expansion project and approve the request for a waiver of the three-stage budget approval to allow construction to proceed immediately.”

BACKGROUND:

Gampel Pavilion was built in 1990 and is the University’s largest public venue for sports and entertainment programs on the Storrs Campus. The University recognizes that the spectators, students, athletes, staff, and vendors attending events and working in Gampel expect a contemporary wireless experience. The Department of Kinesiology (KIN), the Korey Stringer Institute (KSI), and administrative offices that support the Division of Athletics are also housed in the building.

When Gampel was built, wireless technology was not included in the original design. Ad hoc deployments have delivered service to targeted areas only. The space dedicated for network equipment is not adequate for the equipment needed for service or for the environmental conditions necessary to sustain it. The telecom equipment shares space with a medium voltage
transformer. A lack of airflow, high temperatures, and a state of very low humidity contribute to the risk of damage from static electricity.

Additionally, the existing wireless network (in limited locations within Gampel) is over 20 years old and needs to be upgraded to current standards. The wireless access points for this project will be provided by Cisco (the manufacturer) at no cost to the University in order to reconcile an issue with Cisco’s last major software code upgrade to the wireless controller.

Below is an overview of the work that must be performed in order to provide up-to-date and comprehensive wireless coverage in existing work areas as well as within the arena. The following breakdown is sufficient to properly upgrade existing infrastructure and extend coverage to fully support up to 12,000 clients in and around the arena. Estimated completion of the project is October 2019.

- Engaging a third party Certified Wireless Professional design team to develop a layout for complete wireless coverage.
- Engaging a third party to provide professional engineering services for structured cabling, pathways, telecommunication rooms and power needs to support the system.
- Installation of CAT-6A cabling to support 174 wireless access points.
- Installation of up to 174 wireless access points.
- Installation of fiber risers to two new upper level network cabinets.
- Fit out an existing room in the basement to create a new Main Distribution Frame (MDF) for the facility.
- Installation of electrical power and conduit pathways for the network cabinets and the new MDF.
- Installation of network equipment in the two new cabinets and the MDF.
- Modify the existing sprinkler system in the MDF, if required.

The Final Budget is attached for your information.

Attachment
## CAPITAL PROJECT BUDGET REPORTING FORM

**TYPE BUDGET:** FINAL  
**PROJECT NAME:** GAMPEL PAVILION WIRELESS INFRASTRUCTURE EXPANSION

### BUDGETED EXPENDITURES

<table>
<thead>
<tr>
<th>Description</th>
<th>Proposed</th>
<th>Final</th>
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<tbody>
<tr>
<td>CONSTRUCTION</td>
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<td>DESIGN SERVICES</td>
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<td>TELECOMMUNICATIONS</td>
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<td>OTHER SOFT COSTS</td>
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<td>PROJECT CONTINGENCY</td>
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<td><strong>TOTAL BUDGETED EXPENDITURES</strong></td>
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</table>

### SOURCE OF FUNDING*

- **UCONN 2000 BOND FUNDS** $550,000

**TOTAL BUDGETED FUNDING** $550,000

* This budget reflects the University’s current intended source(s) of funding for the specified project. The University may adjust this funding plan in order to ensure compliance with applicable federal and state law(s) or to strategically utilize all fund sources, within the approved budget amount, as appropriate.
Approximate location of new wireless access points in Gampel
Approximate location of new wireless access points in Gampel