April 18, 2014

MEMORANDUM

TO: Dr. Mark A. Hussey
   Interim President, Texas A&M University

SUBJECT: CBE Recommendation: Outdoor Wireless Project

At its April 8, 2014 meeting, the Council for the Built Environment (CBE) discussed a request from Networking and Information Security seeking approval to install Wi-Fi antennas at certain locations on campus; primarily on building exteriors.

Based on technical considerations and student surveys, the top three high traffic areas have been identified:

- Rudder Fountain
- The green space outside the new Liberal Arts Building
- The area between Wehner and the Bio/ Bio Buildings ("Wehner-Bio/Bio Corridor")

As stated in both The Vision 2020 Imperatives and the Strategic Plan for Texas A&M Information Technology 2011-2015 "access to uncongested wireless internet," will heighten students' campus experience. After successful initial deployment, NIS would like to continue placement in other areas of dense utilization. The long term goal is Wi-Fi coverage for the entire campus.

Recommendations from the Sub-Councils:

Design Review Sub-Council (DRsc) – The DRsc recommends approval of the Outdoor Wireless Project as proposed, with the following caveats:

- Aesthetics of the antennas should be minimized by painting them to match their surrounding surfaces.
- The project team should coordinate with SSC Service Solutions to ensure warranty agreements are not voided.
- After this initial installation is completed, subsequent locations for antennas should be presented to the DRsc for review and approval. Any proposed installation on Heritage Buildings may require special consideration of antenna mounting height.

Technical Review Sub-Council (TRsc) – The TRsc supports the proposed installations and recommends approval, provided the following issues/concerns are addressed and funded:

- Facilities Services
  The project team should ensure that the work is in accordance with all applicable laws, regulations and codes, including the Life Safety Code and the National Electric Code.
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When landscaping or irrigation might be impacted by the project, the project team should coordinate with Grounds Management.

The project team should work through Facilities Services for attachment of devices to buildings and other building modifications required by the project.

Devices should be located so as to minimize, as much as practical, the effort needed for future maintenance, including the effort needed to access the devices and protect personnel from potential falls while accessing and servicing devices.

The CBE voted unanimously to recommend the President’s approval, with noted caveats, the request from Networking and Information Security seeking approval to install Wi-Fi antennas at locations as indicated.

Karan L. Watson
Provost and Executive Vice President for Academic Affairs
Co-Chair, Council for the Built Environment

B. J. Crain
Vice President for Finance and Administration
Co-Chair, Council for the Built Environment

Concur or not concur with CBE’s recommendation:

Mark A. Hussey
Interim President

cc: Pierce Cantrell, Vice President and Associate Provost for Information Technology
    Sub-Council Chairs, Council for the Built Environment
MEMORANDUM
Monday, Feb 10, 2013

To: Dr Karen Watson, Provost & Executive Vice president for Academic Affairs
   Co-Chair, Council for Built Environment
   Ms. B. J. Crain, Vice President for Finance and Chief Financial Officer
   Co-Chair, Council for the Built Environment

To: Dr. Pierce Cantrell
   Vice President & Associate Provost for Information Technology

From: Mr. Willis Marti
   Director & Chief Information Security Officer
   Networking and Information Security

Subject: Outdoor Wireless Project Proposal

In alignment with Vision 2020 Imperatives, Networking and Information Security (NIS) is requesting permission to install Wi-Fi antennas at certain locations on campus; primarily on building exteriors. Based on technical considerations and student surveys, the top three high traffic areas have been identified:

- Rudder Fountain
- The green space outside the new Liberal Arts Building
- The area between Wehner and the Bio/ Bio Buildings ("Wehner-Bio/Bio Corridor")

As stated in both The Vision 2020 Imperatives and the Strategic Plan for Texas A&M Information Technology 2011-2015 "access to uncongested wireless internet," will heighten students' campus experience. After successful initial deployment, NIS would like to continue placement in other areas of dense utilization. The long term goal is Wi-Fi coverage for the entire campus.

We have a brief presentation prepared for the Council for the Built Environment which addresses the antenna styles and the antenna aesthetics along with other pertinent details.

Thank you for your consideration.

Attachment: Proposed Deployment Sites and Coverage Areas
MEMORANDUM

TO: Dr. Karan Watson  
Co-Chair, Council for the Built Environment

Ms. B.J. Crain  
Co-Chair, Council for the Built Environment

FROM: Ms. Lilia Gonzales, AIA  
University Architect and Chair, Design Review Sub-Council

DATE: April 2, 2014

RE: Design Review Sub-Council (DRsc) Report  
Outdoor Wireless Project

On March 26, 2014, the Design Review sub-council (DRsc) reviewed the request from Networking and Information Security (NIS) for an Outdoor Wireless Project that would install wi-fi antennas at three high traffic locations on campus. After successful completion of this initial installation, NIS would proceed with plans to install antennas in other locations to eventually provide outdoor wi-fi coverage for the entire campus.

The first three high traffic locations where the antennas will be installed are: Rudder Plaza; the Liberal Arts, Arts & Humanities Building Outdoor Plaza area; and the Wehner – Bio/Bio Corridor area. These locations were determined by student survey information and other technical considerations. The DRsc reviewed photographic examples of how the antennas will be mounted to the building exteriors and a physical sample of the antenna itself. It was noted by the presenter that these are currently the best, least-obtrusive devices available. Installation will be contracted out to experts in the field to ensure that current warranties are not voided with their installation. This particular equipment is currently being used at the Garden Apartments playscape area, at Kyle Field near the ticketing office, and outside the University Police Department building.

Recommendation
The DRsc recommends approval of the Outdoor Wireless Project as proposed, with the following caveats:

- Aesthetics of the antennas should be minimized by painting them to match their surrounding surfaces.

- The project team should coordinate with SSC Service Solutions to ensure warranty agreements are not voided.

- After this initial installation is completed, subsequent locations for antennas should be presented to the DRsc for review and approval. Any proposed installation on Heritage Buildings may require special consideration of antenna mounting height.

Please let us know if you need additional information.

CC: Steve Wiederhold  
DRsc Members  
Bettyann Zito
Antennas will be mounted on the exterior of the following Buildings:

- Wehner
- Horticulture Forest Science
- HEEP Center
- Kleberg
- Bio/Bio
- Rosenthal
Antennas will be mounted on the exterior of the following buildings:

- Wehner
- Horticulture Forest Science
- HEEP Center
- Kleberg
- Bio/Bio
- Rosenthal
Exterior Mounted Antennae: Attention to Aesthetics: Painted to Match the Building
MEMORANDUM

TO: Dr. Karan Watson  
Co-chair, Council on the Built Environment  

Ms. B. J. Crain  
Co-chair, Council on the Built Environment  

FROM: Tom Reber  
Chair, CBE Technical Review Sub-council  

DATE: March 3, 2014  

SUBJECT: CBE TRsc Recommendation: Outdoor Wireless Project

On February 24, 2014, Mr. Willis Marti, Director & Chief Information Security Officer of Networking and Information Security, presented to the CBE’s Technical Review Sub-council on the proposed installation of Wi-Fi antennas at certain locations on campus; primarily on building exteriors. Based on technical considerations and student surveys, the top three high-traffic areas have been identified: Rudder Fountain, the green space outside the new Liberal Arts Building and the Wehner-Bio/Bio Corridor.

Recommendation
The Technical Review Sub-council supports the proposed installations and recommends approval, provided the following issues/concerns are addressed and funded.

Facilities Services
The project team should ensure that the work is in accordance with all applicable laws, regulations and codes, including the Life Safety Code and the National Electric Code.

When landscaping or irrigation might be impacted by the project, the project team should coordinate with Grounds Management.

The project team should work through Facilities Services for attachment of devices to buildings and other building modifications required by the project.

Devices should be located so as to minimize, as much as practical, the effort needed for future maintenance, including the effort needed to access the devices and protect personnel from potential falls while accessing and servicing devices.

Xc: CBE Technical Review Sub-council, CBE Support Staff