RDL 2 Form: *The Joint Military Science Leadership Center*

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ACE Workgroup date:	**26 January 2005**

1. Requestor:	Luis R. Visot
Address	PED 112
Telephone	4-8283
Email	lvisot@jmslc.usf.edu

2. Description of Project alignment with USF Mission and purpose of Project:

The Joint Military Science Center at the University of South Florida (USF) represents a unique, national leadership development model that supplements and strengthens the intellectual and pedagogical expertise of a major, public research university and a strong Reserve Officer Training Corps (ROTC) tradition with the unique features of a *Leadership Lecture Series*, an *Internship Program*, and a *Leadership Scholar-in-Residence Program*. In support of the University of South Florida's values, vision, and goals of excellence in character-building, academic discipline, and education; engaging the student; and promoting intellectual, social, cultural, and holistic development in a diverse and "student-centered" environment, the President is passionately committed to connecting with, partnering with, and nurturing our student-leaders, as future Officers in our Armed Services. The President along with the Provost, as USF's principal leaders charged with "taking the University to new heights in the advancement of the Academy (service, teaching, and research)" and in support of the University's Mission and Vision, have been purposeful and intentional in establishing USF as a student-centered institution and a national leader in leadership development and education, global education and understanding, and national/military defense strategies. The *Center* serves to meet the University's Mission and the Program objectives.

Purpose:

Consistent with the mission of USF, a premier, metropolitan-based, research university, *The Joint Military Science Leadership Center* focuses on the nature and meaning of effective leadership in a changing environment through high quality classroom delivery, structured research, and community-based experiences.

The Joint Military Science Leadership Center is an innovative program that is designed to enhance the quality of reserve officers training programs for the US Army, US Marine Corps, US Navy, and US Air Force through improved efficiency and collaboration in the delivery of "joint" leadership skills education and training. By co-locating the offices, classrooms, and other spaces of the 3 ROTC Programs (Army, Naval, and Air Force) into a JOINT Services facility will not only facilitate the integration of the faculty and staff of the three units, as well as their cadets, office candidates, and midshipmen, but most importantly, would enhance the learning and education of our students in a true JOINT (multi-service)

environment. In this way USF, though its ROTC programs, plays a significant role in modeling and in the education/development of student leaders who, in turn, experience and understand the unique challenges associated with leading service members in a "joint and multinational" strategic military environment as they train to become skilled Officers in the Nation's Armed Services.

Structure:

The Reserve Officer Training Corps (ROTC) has witnessed significant expansion at the University of South Florida since the establishment of Army (1967), Navy (2002), and Air Force (1981) units. The ROTC Program is academically housed in Undergraduate Studies along with the University's well-regarded interdisciplinary program in *Leadership Studies*.

Programs:

The Joint Military Science Leadership Center has a multi-dimensional curriculum model (in progress) that provides participants with direct access to:

I. A *Leadership Lecture Series* delivered by distinguished national and international speakers drawn from academe, the proximally strategic joint commands of SOCOM and CENTCOM, and the broader public and private sectors including business, military, political, and religious leaders.

II. A *Leadership Scholar-in-Residence Program* that offers one-on-one mentoring, unique tutorial and group learning environments

III. An opportunity to enroll in certificate and diploma programs (at both the undergraduate and graduate levels) that build upon the existing strengths of University curricula delivered by the joint services and various academic departments/colleges across four campuses of USF. The existing innovative curriculum includes modules in leadership theory for change; leadership and decision-making in complex organizations; ethics, power, and moral reasoning; pubic relations, communication and leadership, as well as leadership and behavioral science.

IV. Participation in the University of South Florida's proven Military, Business, Community, and Education Leadership internship programs together with the Legislative internship program.

Needs:

Strengthening *The Joint Military Science Leadership Center* at the University of South Florida will be accomplished through full implementation of the *Leadership Lecture Series*, the *Leadership Scholar-in-Residence Program, and Internship Programs,* together with enhancement of technology access and videoconferencing capabilities.

A high quality leadership curriculum and its associated faculty can provide the foundation for a quality joint strategic military leadership education at USF. The

key element missing at USF is a "joint-service" facility (The Joint Military Science Leadership Center) and physical environment necessary to meet this obligation. We seek approval for the construction of a multi-purpose facility (75,000 sq. ft.) within the USF campus equipped as follows:

1. Technologically current classrooms
2. Ample office space with a floor dedicated to each ROTC Program
3. A cadet laboratory on each floor; a fully equipped gym with weight room, lockers space to accommodate 300 students
4. An indoor drill (joint multi-purpose) hall
5. A Joint library
6. A joint service multi-purpose auditorium (lecture hall with stage) to seat 300 people with technological advanced instructional equipment
7. A computer lab with 50 computer stations
8. Telecommunications and teleconference meeting and instructional rooms
9. An arms room to accommodate individual and crew-served weapons
10. An indoor 50 meter range
11. A dining room
12. A secure briefing area for classified briefings and lectures
13. Storage space
14. Parking facility
15. Informal social gathering spaces to create an "atmosphere" of collegiality and Joint military leadership development.

Based upon an initial grant of $6M from the Federal Government, of which $5M has been designated for the addition of a new facility and/or remodeling/addition of an existing facility, we request approval for the first phase of construction of this facility in order to house the 3 Reserve Officer Training Corps (ROTC) Programs and The JMSLC (total: ~25,000 gsf with a net of 17,500 sq. ft.).

3. Physical Boundaries (graphics) SEE SKETCH

4. Acreage:0.8

5. Net square footage: 17,500 sq. ft.

6. Gross square footage: 25,000 sq. ft.

7. Funding Source: Federal Government Grant through US Navy

8. Construction budget: $3.7 Million

9. Project budget: $5Million

10. Scope of Project: Design and construction of the Joint Military Science Leadership Center.

11. Impact to Campus Master Plan: Addition/expansion may have to complete an amendment to Campus Master Plan.

12. Maintenance requirements and funding source for maintenance: Utilities, maintenance, and housekeeping support for a total of ~25,000 gsf. Paid from the operating funds in the Grant.

13. Schedule:

- Feasibility Studies (include cost analysis) conducted and completed: 20 December 2004
- Campus Development Committee Review and Approval of site: January 11, 2005
- Academic and Campus Environment Workgroup Approval: January 26, 2005
- Board of Trustees Approval: 24 February 2005 (pending)
- Architect/Engineer Selection: March 22, 2005
- Schematic Design: May 21, 2005
- Design Development: July 20, 2005
- Construction Documents: September 18, 2005
- Bid Advertisement: October 19, 2005
- Bid Tabulation and Recommendation of Construction Contract Award: November 23, 2005
- Contract Award: November 24, 2005
- Building Permits: November 24, 2005
- Construction Start: November 25, 2005
- Construction Completion (expected): September 20, 2006
- Occupancy: October 5, 2006
- Entire project will take 24 months

14. Parking displacement/load and traffic impact:
This facility will not increase student population. Student parking needs remain unchanged. The proposed building location will require a reconfiguring of Parking Lot 15. It is anticipated that the modifications to Lot 15 will result in a decrease in the number of spaces from 32 to 25. The 7 spaces eliminated cannot be provided on this site and may require a contribution to the parking structure fund

15. Impact to existing locations and capacity of:

Trees: The proposed building location and parking lot modifications will require the replacing or relocation of 6 small trees. The trees were scheduled to be replaced in 2002 with the implementation or a new site landscape scheme. This project will provide new landscaping and trees in conformance with the USF development plan

Stormwater: A 48" storm water line runs on the east side of Maple Drive. A 18" storm water line at parking Lot 15 will need to be relocated. Building roof drains to be tied to an existing 18" storm water line on the east side of the building area

Chilled Water: Air conditioning utility service to the ROTC/JMSLC is to be provided by the campus central chiller plant. It is anticipated that the cooling load

for the new facility will be approximately 90 tons per phase for a totalload of 270 tons. The heating load is approximately 500,000 BTU per phase with a total load of 1.5 Million BTU. It is anticipated Phase I can be accommodated by the existing chilled water system. Phase II and III will require an upgrade to the chilled water line size at the chiller plant pump house A 10" chilled water line and a 8" hot water line run north/south along Maple Drive approximately 8' below grade. A 10" chilled water line and a 8" hot water line run east/west on the north side of the existing PUD Building approximately 4' below grade. Service to the new ROTC/JMSLC Building is to be with a new 4" line from Maple Drive running parallel to the existing east/west lines serving the Intercollegiate Athletic Facility. Booster pumps will be required.
Electrical: Existing electrical service runs on the east side of Maple Drive. The estimated load for each phase will be approximately 250 KVA (using 1KVA /100GSF) with a total load of 750 KVA. High voltage transfer switch will be required. Encase lines below the building in concrete.
Telecommunications: Telecommunications run east to west south of the existing PUD building. telecommunications to run from manhole on SW corner of site. No upgrades to the system HUB is anticipated.
Potable Water: A 10" potable water line runs north of the existing PUD building. The estimated water usage per day will be approximately 3000 GPD (using 0.12 GPD/GSF Based on historical data) per phase with a total load of 9000 GPD. New 8" fire line with DCVA and 4" domestic water line with meter and RPZ to be provide per USF guidelines. The Architect/Engineer shall calculate the specific requirements
Sanitary Sewer: A 10" gravity sewer line exists at the SW corner of the proposed site. The estimated water usage per day will be approximately 3000 GPD (using 0.12 GPD/GSF Based on historical data) per phase with a total load of 9000 GPD