

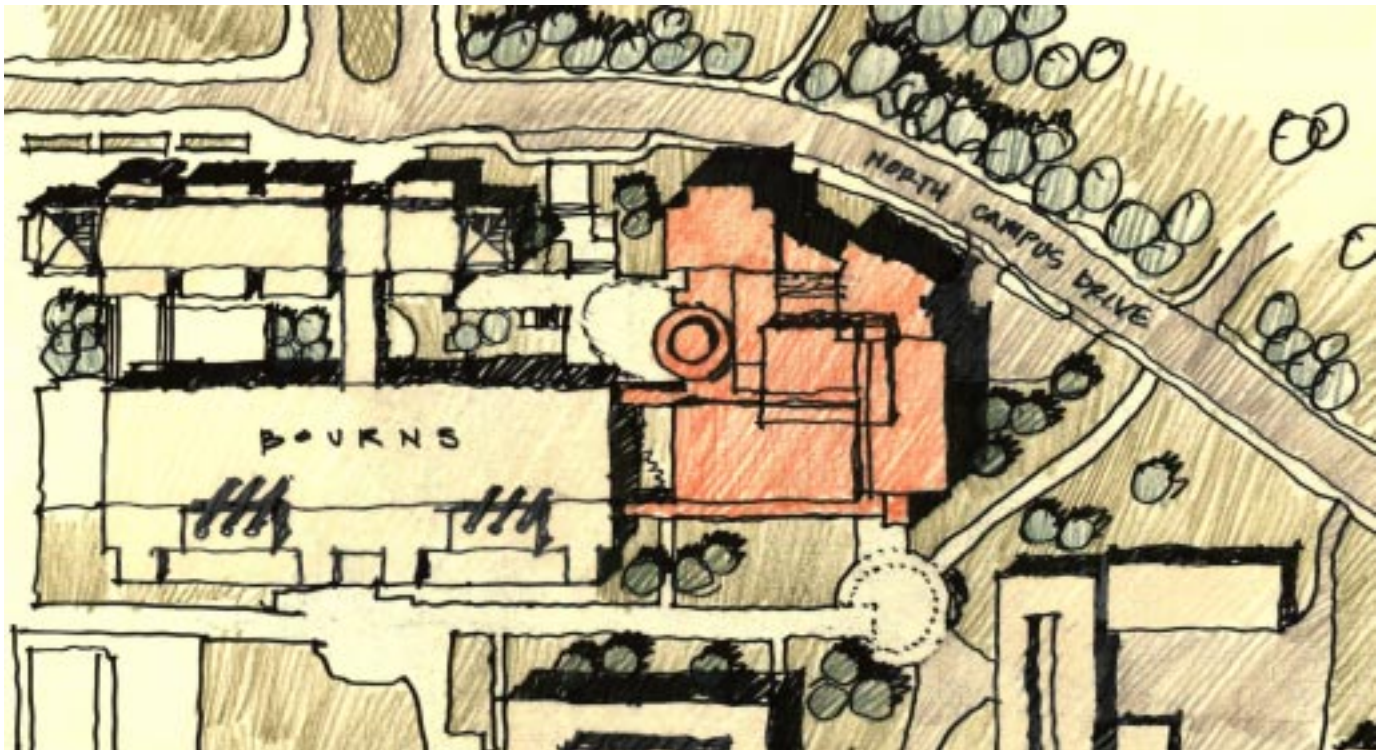
1.0 EXECUTIVE SUMMARY



The proposed Engineering Building Unit 2 (EBU2) is a new teaching and research facility for the Bourns College of Engineering (BCOE). It responds to the College's recent and future growth, which projects a 152% increase in enrollment by 2006-07. The primary goal for EBU2 is to provide state of the art research and teaching space for the Computer Science and Engineering and Electrical Engineering departments. It is planned to the highest standards and quality to attract students and faculty. The Computer Science and Engineering & Electrical Engineering departments place an emphasis on human needs and issues. Their work involves "ideas, not machines" and emphasizes "people over technology". Their commitment is in "making better places to live and work". This DPP document is a response to the specific goals and needs of these departments, the Bourns College of Engineering and the University of California, Riverside.



The 55,000 square foot site is located on Parking Lot 16 adjacent to the existing Bourns Hall. This location allows for many opportunities but must be sensitive to the constraints on development as defined by the Long Range Development Plan (LRDP). Criteria such as building height, massing, access, service, pedestrian pathways and relationship to Bourns Hall and the UCR campus are a few of the considerations reviewed in the DPP process. The siting of the proposed EBU2 is consistent with the LRDP.



Site Plan



The new building will form a gateway to the Engineering Precinct. The main entry will be located on axis with the BCOE courtyard, allowing easy access from the courtyard to ground level teaching activities. EBU2 and Bourns Hall will be connected by means of a pedestrian bridge on the second and third floors. A secondary entry has been planned for the general assignment instructional spaces. This entry will be located on the south side of EBU2 facing the campus along the primary pedestrian path for clear access.



The building concept consists of a 152,010 sf five story building. The program has been divided into two categories: Research and Discovery, and Teaching and Learning. Teaching and Learning spaces are planned for the first and second floors and will align directly with the existing Bourns Hall. This relationship will provide a natural continuation of undergraduate activities on the first and second floors. Research and Discovery space is designed into office and lab clusters on the third through fifth floors. The plan diagrams on this page illustrate the final recommendations for EBU2. More detail on Teaching and Learning, Research and Discovery and design concepts can be found in Section 5.0. EBU2 is programmed for 89,686 assignable square feet (asf) of space divided into the categories listed below. More detail of the program can be found in Section 3.0.



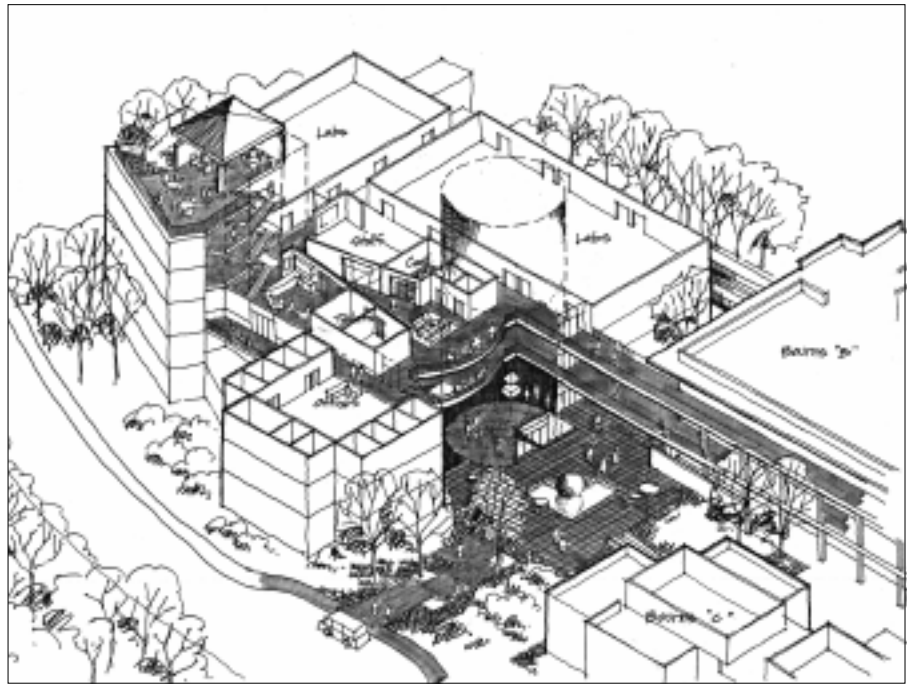
Department of Computer Science and Engineering:	33,700 asf
Department of Electrical Engineering:	20,400 asf
BCOE Instructional Space:	16,800 asf
BCOE General Assignment Space:	13,430 asf
General Assignment Instructional Space:	5,356 asf



The project schedule anticipates completion of the Project Planning Guide in August 2000. The design and construction documents phase is scheduled for 12-14 months. Occupancy is scheduled for the summer of 2005 following a 28 month construction phase.

The direct construction cost is estimated to be approximately \$33,405,000, excluding soft costs and escalation beyond August 2000. The total project budget is \$43,874,000 including soft costs and escalation. More detail on the construction cost plan can be found in Section 6.0.





Fourth Floor and Fifth Floor



Third Floor



Second Floor



FIRST FLOOR

Building Concept