Appendix "M"



UNIVERSITY OF TORONTO

Office of the Vice-Provost, Space & Facilities Planning

27 King's College Circle, Toronto, Ontario, Canada M5S 1A1 Tel: (416) 978-5515 Fax: (416) 978-3939 E-mail: ron.venter@utoronto.ca May 25th, 2002.

MEMORANDUM

То:	Planning and Budget Committee
From:	Ron Venter, Vice-Provost, Space and Facilities Planning

Re: Update on Lash Miller Chemistry Addition and Renovation

Item Identification

User Committee Report for the Department of Chemistry: May 1998.

Sponsor

Ron Venter, Vice-Provost, Space and Facilities Planning

Jurisdictional Information

The Committee considers reports of the Project Committee and recommends to the Academic Board approval in principle of projects.

<u>Highlights</u>

In May, 1998 the Planning and Budget Committee approved the Users Committee Report for the Department of Chemistry. This project addressed the planned expansion in the St. George Street wing and renovations in the existing Lash Miller tower. The project cost was estimated at \$19.2 million. The funding for this project in the amount of \$12 million was made available through the generous benefaction of the Davenport Family. Additional funding was to be [and was subsequently secured] from the Canadian Foundation for Innovation [CFI] and the Ontario Research & Development Challenge Fund [ORDCF]. The project was planned to proceed in phases, as detailed in P & B memoranda of May 13th, 1998 and April 5th, 1999 [Attachment 1].

In October 1999, a further P & B memorandum, Attachment 1, identified all sources of funding for this project which now included CFI and ORDCF contributions for a total project cost of \$25.5 million [CFI contribution of \$7.27 million and ORDCF contribution of \$7.27 million]. Of this amount, \$20,336,858 was approved to undertake a series of phased projects with the balance of approximately \$5.16 being identified to fund further renovations in the tower, which would complete the master plan of the Department of Chemistry.

As a consequence of the numerous phases of this project, Business Board approval was secured through staged approvals, as follows: June, 1998: \$12.300 million

June, 1998:	\$12.300 million
May 1999:	\$ 2.316 million
October 1999:	\$ 3.600 million
June 2000:	\$ 1.800 million
November, 2000:	<u>\$ 0.830 million</u>
Total	\$ 20.846 million

Table 1 identifies all major elements of the numerous phases of this master plan project for the Department of Chemistry. The individual projects identified as # 1-19 and # 29 are essentially

completed or in an advanced stage of construction, whereas projects #20 -32 are now planned to be implemented. The cost of all projects listed is estimated at \$25,550,927.

Table 1 lists all projects still to be undertaken. Each individual project will require approval by the Accommodations and Facilities Directorate [AFD]; detailed reports will also be required for those projects in excess of \$500,000 but less than \$2 Million. All projects will be sequentially completed to guarantee no cost overruns on the available funding. All projects being financed from the same source of funds.

Resource Implications

No resource implications; the funds were established previously for this collection of projects directed to the Lash Miller and Davenport Buildings, home of the Department of Chemistry. The total project cost is estimated at \$25,550,927 which is equivalent to the total funding available from the Davenport Family, the CFI and ORDCF and includes the interest accrued on these funds. To date \$20,846,000 has been approved for expenditure. The balance, amounting to \$4,704,927 is now to be directed to the outstanding projects as identified in Table 1, projects #20-32, excluding #29 [already completed].

Funding Sources

CFI and ORDCF funds secured as a result of the original gifting contribution by the Davenport Family in 1998.

Recommendations

That the Planning and Budget Committee recommend to the Academic Board:

1. THAT the Users Committee Report for the Department of Chemistry that identified numerous projects including the Davenport Building and renovation of facilities within the Lash Miller Building be fully implemented.

2. THAT the remaining funds originally provided from contributions from the Davenport Family, and the Canadian Foundation for Innovation [CFI] and the Ontario Research & Development Challenge Fund [ORDCF] be approved in the amount of \$4,704,927 and directed to each of the listed projects to be approved by the Accommodations & Facilities Directorate [AFD], according to policy procedures. [This allocation will exhaust all current funding available in support of these improvements directed to the Davenport and Lash Miller Buildings initiated in 1998].

square cost/ Budgeled cost feel square cost S14,455,249 40,000 361 \$14,455,249 \$203,000 6,500 405 \$2630,000 \$207,906 1,200 170 \$207,906 \$207,906 2,000 145 \$207,000 \$207,906 3,993 81 \$20,000 \$207,000 2,800 145 \$20,000 \$20,000 4,70 149 \$20,000 \$60,000 1,320 91 \$132,761 \$20,000 2,800 100 \$70,000 \$60,000 \$60,000 4,70 149 \$70,000 \$60,000 4,13 91 \$143,260 \$146,000 1,320 5,300 125 \$510,772 889 135 \$143,000 \$1475,000 4,410 91 \$140,000 \$150,000 4,410 91 \$140,000 \$165,000 5,300 5,300 \$125 \$140,000	TABLE 1: Davenport Building & Lash Miller Building: Department of Chemistry	nt of Chemistry					10001-01-
Lash Miller Lash Miller Lash Miller S14,455,249 S14,455,249 S16,500 S1	Projects	Rooms	square feel	cost/ square foot	Budgeled cost	Status	
Single including 4 shelled laboratories and library of allowatories Single including 4 shelled laboratories and library of allowatories Single including 4 shelled laboratories Single including 2 shelled laboratories Single including 2 shelled Single including 2 shelled <th></th> <th>Lash Miller</th> <th></th> <th></th> <th></th> <th></th> <th></th>		Lash Miller					
Index 6.500 405 55.600 000 articly 11 13 2.200 145 $52.630,000$ articly 11 13 2.200 145 $52.630,000$ articly 113 2132 2000 145 $52.600,000$ articly 11320 11220 1145 $52.600,000$ $52.60,000$ articly 11320 11220 1145 52.0000 $52.60,000$ articly 11320 11220 1145 52.0000 $52.60,000$ articly 11320 11220 1145 52.0000 $52.60,000$ articly 11320 11220 11220 52.0000 50.000 articly 11320 11220 1144 51.6000 51.6000 articl 11200 1122 51.6000 51.6000 51.6000 articl 11200 11200 11200 51.6000 51.6000 art	Davenment Building including 4 shelled laboratories		40,000	361	\$14,455,249	completed	\$14,468,815
af Biorelany # 1] 134-325 1,200 170 3203,711 arkby arkby arkby for and Grup 315-325 3,900 14 856,108 arkby arkby for arkby for arkby fo	2 4th Floor Fit out of 4 laboratories		6,500	405	\$2,630,000	completed	\$2,477,404
activity (initial focup entitient of laboratories) 119 3.1.5.32 3.1.5.32 2,000 3.1.5.32 104 3.207,506 3.1.5.32 3,207,506 3.3.5.327,006 3.3.5.327,000 choles & A. Dahriani [relit of laboratories] 3.1.5.32 3,900 145 5,805,108 choles & A. Dahriani [relit of laboratories] 3.1.5.32 3,900 145 5,805,108 choles & A. Dahriani [relit of laboratories] 250-222 1,320 100 5,200,000 ge 470 149 5,70,000 5,600 5,600 ge 470 149 5,70,000 5,600 5,600 of laboratory # 11 256-258 1,320 5,600 5,600 5,600 ar fait of laboratory # 11 322 4,40 91 5,7500 5,143,200 ar fait of laboratory # 11 322 4,40 91 5,1000 5,144,000 ar fait of laboratories] 322 369 5,300 125 5,1000 5,1000 difig wather (rine 5,300 125 5,300 125 5,1000 5,1000 5,1000 5,144,000	a 1 Abhatt Irefit of Jaharatory # 1]	324-325	1,200	170	\$203,711	completed	\$203,711
memerial Group 315-322 3.983 B1 \$322,439 enling Microscope Laboratories 3,4,5 2,802 100 \$50000 enling Microscope Laboratories 3,4,5 2,200 100 \$50,000 enling Microscope Laboratories 3,4,5 2,802 1,320 91 \$170,010 enling Microscope Laboratories 246 4,800 460 \$6,400 \$6,400 refit of laboratory # 21 255-283 1,320 91 \$50,772 \$60,000 refit of laboratory # 21 246-525, 617 2,640 91 \$275,000 \$60,000 refit of laboratory # 21 323 880 135 \$70,000 \$50,772 of laboratory # 21 323 880 135 \$70,000 \$50,772 of laboratory # 21 323 363 306-306 \$70,000 \$74,000 of laboratories 11 aboratory # 21 323 369 \$70,000 \$74,000 of laboratories 11 aboratories 306-306 \$74,00 100 \$24,000	A Committee Laboratory	119	2,000	104	\$207,906	completed	\$226,781
eiling Microscipe Laboratories 3. 4. 5 2.852 102 \$200.000 endes & A. Dahirani (retit of taboratories) 256-252 1,320 91 145 \$305,106 ge 720,000 56,400 56,500 255-558 1,320 5,320 135 \$119,000 76,500 255-558 1,320 5,300 135 \$119,000 76,500 772 140 104 135 \$119,000 71,5	5 Refit for Environmental Group	315-322	3,993	81	\$322,439	completed	\$322,439
x_{100} x_{120} x_{110} x_{110} x_{110} <	6 Scanning Tunnelling Microscope Laboratories	3, 4, 5	2,852	102	\$290,000	completed	\$289,339
choles & A. Dahirari (reft of laboratories) 250-252 1.320 91 \$120.761 e totoles & A. Dahirari (reft of laboratories) 154 220 010 56,400 totaboratory # 21 225-259 1.120 513 5143,285 solo 200 collaboratory # 11 22,540 104 \$275,000 fillaboratory # 11 232 819 135 \$119,000 fillaboratory # 11 232 819 135 \$119,000 fillaboratory # 22 323 300 5,300 125 \$119,000 fillaboratory # 21 232 300 5,300 125 \$100 fillaboratory # 21 232 500 125 \$100 fillaboratory # 21 232 500 5,300 125 \$100 fillaboratory # 21 232 500 5,300 125 \$100 fillaboratory # 21 232 5,55 20 5,300 125 \$100 fillaboratory # 21 232 5,55 20 2,400 100 \$545 100 fillaboratories] 5,56 20 120 \$5600 fillag watter line 7,314 428 6,545 100 \$570,000 fillag watter line 5,56 20 120 \$5600 fillag watter line 5,56 20 120 \$5600 fillag watter line 5,56 55 52 2,400 100 \$540,000 fillag watter line 5,56 55 20 120 \$56000 fillag watter line 5,56 20 120 \$56000 fillag watter line 5,56 52 2,400 120 \$560000 fillag watter line 5,56 55 27 2,400 125 \$560000 field of aboratories] 5,17,518 520, 3,560 120 \$560000 field for laboratories] 5,17,518 \$57,520 120 \$5600000000000000000000000000000000000	7 Library Fit-out		4,800	145	\$695,108	completed	\$595,108
e 154 200 100 \$520,000 triangle 470 149 \$70,000 \$56,000 triangle 470 149 \$70,000 \$56,000 triangle 255-283 1,320 50 104 \$57,000 \$56,000 triangle 255-283 1,320 50 104 \$57,000 \$56,000 triangle 255-283 1,320 5,001 104 \$57,000 \$56,000 triangle 256,200 264-626 264 104 \$57,000 \$56,000 triangle 242-423 5,300 125 \$116,000 \$51,000 \$106,381 triangle 241 242 240 104 \$57,000 \$51,000 \$51,000 triangle 241 232 5,300 \$112 \$51,000 \$51,000 \$51,000 \$51,000 \$51,000 \$51,000 \$51,000 \$51,000 \$51,000 \$51,000 \$51,000 \$51,000 \$51,000 \$51,000 \$51,000 <	8 2nd Floor G. Scholes & A. Dahirani [refit of laboratories]	250-252	1,320	91	\$120,761	completed	\$120,761
Generatory (a frefit of laboratory) Job (a frefit of laboratory) S6,400 (a frefit of laboratory) S6,400 (a frefit of laboratory) variation 255-253 (a frefit of laboratory) 1,320 (a frefit of laboratory) 50 566,000 (a frefit of laboratory) variation 255-253 (a fraboratory) 1,320 (a frefit of laboratory) 1,320 (a fraboratory) 50 566,000 (a fraboratory) 566,000 (a fraboratory)<		154	200	100	\$20,000	completed	\$16,600
cycle 470 149 \$570,000 value 149 \$570,000 \$56,258 \$113,200 \$66,000 value 141 2,55,258 \$13,200 \$66,000 \$56,000 value 141 2,55,258 \$13,200 \$66,000 \$56,000 of laboratory # 2] 224 2,400 91 \$570,000 all 306-308, 326-330 5,300 125 \$114,000 all 242 440 91 \$105,361 all 264 5,300 125 \$105,361 all 264 5,300 125 \$14,000 all 264 300 326,361 \$100 \$14,000 all 273,915 5,40 100 \$24,000 \$14,000 all 264 300 326 \$14,000 \$14,000 all 264 100 \$24,000 \$14,400 \$100 \$14,000 all 264 264 200 \$24,000					\$6,400	completed	\$6,439
to flaboratory # 21 value (flaboratory # 2) value (flaboratory # 2) value (flaboratory # 1) to flaboratory # 1) to flaboratory # 1) to flaboratory # 2] to flaboratory # 1] to flaboratory # 2] to flaboratory # 2] to flaboratories] to fla		406	470	149	\$70,000	completed	\$66,232
va (refit of laboratories) 624-625, 617 2,640 104 8225,000 va (refit of laboratory # 2] 323 890 135 8143,225 of laboratory # 2] 323 890 135 8143,225 of laboratory # 2] 323 890 135 8143,000 of laboratory # 2] 323 306-308, 326-330 5,300 125 840,000 Iding washrooms 306-308, 326-330 5,300 125 840,000 840,000 Iding washrooms 306-308, 326-330 5,300 125 846,000 840,000 iding washrooms 306-308, 326-330 5,300 125 840,000 840,000 iding washrooms 306-308, 326-330 5,300 125 854,000 816,000 iding water line 73,915 73,915 910 910 810,000 816,000 inice & Biological laboratory 414.428 6,545 100 8240,000 816,8100 816,8100 816,8100 816,8100 816,8100 816,8100 816,8100 816,8100 816,8100 816,8100 816,81000 816,81000 816,81000<		255-258	1,320	50	\$66,000	completed	\$58,728
to fiaboratory # 2] 242 890 135 5143.285 560 71 43.285 560 71 43.285 560 71 43.000 71 44.000 71 44.000 71 45.000 71 45.000 71 45.000 71 45.000 71 45.000 71 45.000 71 45.000 71 45.000 71 45.000 71 73,915 73,915 73,916,992 73,916,900 71 73,915 73,915 73,916,900 71 73,915 73,916,900 71 73,915 73,916,900 71 73,915 73,916,900 71 73,915 73,916,900 71 72 73,900 700 71 72 73,900 700 71 72 73,900 700 71 72 73,900 700 71 72 73,900 700 71 72 73,900 700 71 72 73,900 700 71 72 73,900 700 71 72 73,900 700 71 72 73,900 700 71 72 73,900 700 71 72 74,900 71 74,900 71 74,916,900 71 72 74,900 71 72 74,		624-625, 617	2,640	104	\$275,000	completed	\$277,110
to flaboratory # 2] 223 890 135 \$175,000 of Laboratory # 1] 242 440 91 \$155,000 of Laboratory # 2] 242 440 91 \$105,000 fulting water line 73,915 5,300 125 \$662,000 liding water line 73,915 73,915 5,40,000 s \$114,000 liding water line 73,915 73,915 5,000 liding water line 73,915 73,915 5,000 s \$14,000 s \$14,0000 s \$14,0000 s \$14,0000 s	14 Atrium project				\$148,285	completed	\$140,523
J. Abbott [reft of Laboratory # 2] 323 890 135 1175,000 D. Miller [reft of Laboratory # 1] 242 440 91 \$40,000 D. Miller [reft of Laboratory # 1] 242 440 91 \$40,000 D. Miller [reft of Laboratory # 1] 242 36-308, 326-330 5,300 125 \$65,000 Davemport Building water line 7.3 7.3 125 \$65,000 \$14,000 Davemport Building water line 7.3 7.3 240 100 \$14,000 Davemport Building water line 7.3 7.3 240 100 \$14,000 Davemport Building water line 7.3 240 100 \$240,000 \$14,000 Davemport Building water line 7.3 240 100 \$240,000 \$14,000 Davemport Building water line 7.3 2.400 100 \$240,000 \$14,000 Total 7.3 8.6 5.6 2.000 \$240,000 \$240,000 Feaulty Of Taboratories 141.4.4.8 5.6 2.000 \$240,000 \$240,000 M. Thompreson Taboratories 5.14.4.4.	14a Atrium project				211,064	completed	711'000
34 440 91 \$105,000 242 440 91 \$105,000 242 306-306, 326-330 5,300 125 \$662,000 306-306, 326-330 5,300 125 \$662,000 306-306, 326-330 5,300 125 \$50,676,992 73,915 73,915 \$20,676,992 \$14,000 306-306, 326-330 5,300 125 \$240,000 414,428 6,545 100 \$244,000 414,428 6,545 100 \$316,800 511-513, 516, 520, 3,500 120 \$316,800 5316,800 517,518 5,527 2,400 120 513,914 146 2,000 125 \$320,000 6ftjj 517,518 527 2,400 125 \$320,000 6ftj 517,518 527 2,400 126 \$320,000 6ftj 517,518 527 2,400 126 \$324,000 6ftj 517,518 523 525,000 \$320,000 6ftj 513,527 2,400 125 \$320,000 6ftj 513,527 2,400 126 \$321,000 6ftj 513,527 2,400 125 \$320,		323	880	135	\$119,000 \$175,000	completed	\$118,511 \$
242 440 91 540,000 306-308, 326-330 5,300 125 562,000 306-308, 326-330 5,300 125 562,000 306-308, 326-330 5,300 125 564,000 306-308, 326-330 5,300 100 \$24,000 306-308, 326-330 5,300 125 \$50,000 306-308, 326-330 5,300 125 \$516,000 414,428 6,545 100 \$654,500 dr 414,428 6,545 100 \$564,000 \$516,000 511-513,516,520, 3,500 120 \$526,000 511-513,518 1,200 \$126 \$526,000 6ftj 502,523,525,527 2,400 125 \$526,000 6ftj 502,523,525,527 2,400 126 \$526,000 6ftj 502,523,525,527 2,400 126 \$526,000 6ftj 502,523,525,527 2,400 126 \$550,000 6ftj 502,523,525,527 2,400 126 \$550,000 6ftj 502,523 525,527 \$400 \$550,000 6ftj 517,518 1,200 \$550,000 6ftj 5135 \$411,146 \$51,00 <td< td=""><td></td><td>3e</td><td>:</td><td>č</td><td>\$1/5,000</td><td>completed</td><td>800'00 I¢</td></td<>		3e	:	č	\$1/5,000	completed	800'00 I¢
306-308, 326-330 5,303 125 \$105,361 306-308, 326-330 5,303 125 \$662,000 314,000 73,915 \$20,676,392 73,915 73,915 \$20,676,392 73,915 73,915 \$20,676,392 73,915 350 100 \$240,000 6545 100 \$240,000 \$10,000 406 350 36 30 \$10,000 614 428 6,545 100 \$240,000 614 428 6,545 100 \$240,000 611-513 516,520; 3,500 120 \$420,000 611 511,513 516,520; 3,500 120 \$420,000 611 513,614 120 \$120 \$420,000 611 513,516 120 \$250,000 611 513,518 1,200 \$126 \$10,000 611 517,518 1,200 \$126 \$10,000 611 517,518 1,200 \$126 \$10,000 611 517,518 1,200 \$126 \$10,000 611 517,518 1,200 \$126 \$10,000 611 5135 51,915 \$10,000	17 D. Miller [refit of Laboratory # 2]	242	440	91	\$40,000	construction	
306-308, 326-330 5,300 125 5662,000 301 73,915 520,676,992 73,915 73,915 520,676,992 73,915 73,915 520,676,992 73,915 350 310,000 67,460 100 \$240,000 426 350 30 \$10,000 414-428 6,545 100 \$654,500 614-628 6,545 120 \$420,000 614-628 5,516 520, \$120 \$420,000 614-628 6,545 120 \$420,000 611-573 516,520, 3,500 \$420,000 611 511-573 526,000 \$420,000 660,188 \$100 120 \$420,000 611 502,523 525,527 2,400 125 611 517,518 1,200 \$126 \$100,000 617,518 1,200 125 \$100,000 618 1,200 125 \$100,000 619 517,518 1,200 \$126,000 610 517,518 1,200 \$126,000 610 517,518 525,000 \$100,000 610 5135 \$1,000 \$256,000					\$105,361	completed	\$94,408
S14,000 \$14,000 ratcry 73,915 \$20,676,992 ratcry 73,915 \$20,676,992 ratcry 73,915 \$20,676,992 ratcry 73,915 \$240,000 ratcry 350 30 \$10,000 ratcry 406 350 30 \$10,000 rattractry 6,545 100 \$654,500 dr rattractry 406 350 2,640 120 \$420,000 rattractry 5,546 120 \$543,000 \$420,000 \$654,500 dr rattractry 55,26 3,500 120 \$520,000 \$664,000 rattractry 502,523,525,527 2,000 125 \$523,600 \$664,300 rattractry 11,200 125 \$523,600 \$664,300 \$666,188 \$1,072,447 10ng reft1 562,527 2,000 125 \$564,300 \$556,000 \$525,000 reft1 517,518 1,200 125 \$523,5		306-308, 326-330	5,300	125	\$662,000	construction	\$627,674
73,915 73,915 \$20,676,992 ratcry 73,915 \$20,676,992 oratcry 429-433 2,400 100 \$240,000 406 350 30 \$240,000 \$654,500 dr 414-428 6,545 100 \$554,500 dr \$654,500 dr 621-623 5,516,520; 3,500 120 \$420,000 \$615,800 \$664,300 621-623 525,527 2,400 120 \$256,000 \$606,188 \$1,700 \$25,500,000 \$617,518 \$1,200 \$126 \$6643,000 \$6696,188 \$1,002 \$6696,188 \$1,002 \$6696,188 \$1,002 \$616,000 \$617,0100 \$617,518 \$1,200 \$126 \$6696,188 \$1,072,447 1000 \$25,500,000 \$616,0100 \$61696,188 \$1,072,447 1000 \$25,500,000 \$61696,188 \$1,072,447 1000 \$25,000 \$606,188 \$1,072,447 1000 \$25,000 \$25,000 \$25,000 \$25,000 \$21,000 \$25,000 \$25,000					\$14,000	completed	
oratory 429-433 2,400 100 \$240,000 oratory 406 350 30 \$10,000 406 350 30 \$10,000 \$10,000 406 5545 100 \$654,500 dr 414-428 6,545 100 \$564,500 dr 621-623 2,640 120 \$316,800 511-513,516,520, 3,500 120 \$326,000 621-623 5,26 3,500 120 \$366,000 621-623 5,27 2,400 120 \$366,000 671,518 1,1,146 2,000 125 \$550,000 6611 502,523,525,527 2,400 125 \$566,188 611 517,518 1,200 125 \$566,188 8160 1,200 125 \$566,190 \$526,000 611 \$57,50 1,200 \$125 \$526,000 611 \$517,518 1,200 \$125 \$526,000 611 \$517,518 1,200 \$125 \$526,000 611 \$600 \$125 \$526,000 \$525,000 611 \$600 \$125 \$526,000 \$525,000 611 \$600 \$600			73 015		\$20.676.992		\$20,391,864
oratory 429-453 2,400 100 \$240,000 0 350 30 510,000 414-428 6,545 100 5654,500 dr 414-428 6,545 100 5654,500 dr 621-623 2,640 120 5420,000 511-513,516,520, 3,500 120 526,000 360 120 120 526,000 361-513,518 1,200 125 5,50,000 611 1,200 125 5,55,000 617,518 1,200 125 5,50,000 617,518 1,200 125 5,50,000 617,518 1,200 125 5,50,000 617,518 1,200 125 5,50,000 610 120 522,523,525,527 2,400 125 5,550,000 610 120 125 5,550,000 611 1,200 125 5,550,000 612 1,200 125 5,550,000 613 1,100 125 5,550,000 614 1,100 502,523,525,527 2,400 125 5,550,000 615 18 8 81,072,471 1009 810 000 810 120 125 5,550,000 810 120 125 5,550,000 617 120 125 5,550,000 617 120 125 5,550,000 618 8 81,072,471 1009 825,000 825,000 120 125 5,550,927 700 120 120 125 5,550,927 100 120 120 120 125 5,550,927 100 120 120 125 5,550,927 100 120 120 125 5,550,927 100 120 120 120 120 125 5,550,927 100 120 120 120 120 125 5,550,927 100 120 120 120 120 120 120 120 120 120	Total		CI 6'C /		4001010104		
oratory 429-433 2,400 100 \$240,000 406 355 100 \$10,000 \$10,000 406 6,545 100 \$10,000 \$10,000 414-428 6,545 100 \$16,800 \$16,800 621-623 5,16,520, 3,500 120 \$316,800 511-513 516,520, 3,500 120 \$36,000 511-513 516,520, 3,500 120 \$36,000 621-623 527 2,400 120 \$36,000 611 523,523,525,527 2,400 125 \$330,000 611 517,518 1,200 125 \$350,000 611 517,518 1,200 \$25,000 \$25,000 611 517,518 1,200 \$25,000 \$26,100 611 517,518 1,200 \$26,000 \$25,000 611 517,518 1,200 \$25,000 \$25,000 610 517,518 1,200 \$25,50,900						ŏ	Completion date
oratory 4624550 dr 6,545 100 564,500 dr 6,545 100 564,500 dr 6,14-428 6,545 100 5654,500 dr 6,14-428 6,545 100 565,600 5420,000 511-513,516,520, 3,500 120 525,000 139,141,146 2,000 125 530,000 6ft] 517,518 1,200 125 5,50,000 efti 525,527 2,400 125 5,50,000 efti 525,527 2,400 125 5,550,000 efti 535,527 2,400 125 5,550,000 efti 535,518 5,517,518 5,517,518 5,510,000 efti 525,527 2,400 125 5,550,000 efti 525,527 2,407 1006 efti 525,527 2,400 125 5,550,000 efti 525,527 2,400 125 5,550,000 efti 525,550,000 125 5,550,927 7,518 5,550,927 7,5550,927 7,5550,927 7,5550,927 7,5550,927 7,5550,927 7,5550,927 7,55550,927 7,550,927 7,5550,927 7,5550,927 7,550,927 7,550,927 7,5550,927 7,550,927 7,550,927 7,550,927 7,550,927 7,550,927 7,550,927 7,5550,927 7,550,927 7,550,927 7,550,927 7,550,927 7,550,927 7,550,927 7,550,927 7,550,927 7,550,927 7,550,927 7,550,927 7,550,927 7,550,927 7,550,927 7,5550,927 7,55		201 J23	007 0	100	\$240.000	planning phase	Aug-02
400 530 545 100 \$654,500 dr 414-428 6,545 120 \$316,800 621-513 516,520, 3,500 120 \$420,000 511-513 516,520, 3,500 120 \$96,000 55,56 2000 120 \$96,000 6ftj 517,518 2,000 125 \$150,000 6ftj 517,518 1,200 125 \$150,000 filowance \$25,000 \$25,000 \$25,000 filowance \$17,913 \$120 \$25,000 filowance \$17,913 \$1,200 \$25,000 filowance \$17,913 \$21,935 \$41,012,447 filowance \$17,913 \$21,935 \$25,000 filowance \$17,012,447 \$25,000 \$25,000 filowance \$1,012,417 \$25,550,937 filowance \$51,935 \$4,873,935 filowance \$5,750 \$25,550,927 filowance \$5,750 \$25,550,927		443-400	200		\$10 000	planning phase follows project # 22	Mows project # 22
414-4.20 0,040 120 \$316,800 621-623 2,640 120 \$96,000 55,76 3,500 120 \$96,000 130, 141, 146 2,000 125 \$25,000 621,55,527 2,400 125 \$300,000 611 517,518 1,200 125 \$150,000 661 517,518 1,200 125 \$150,000 661 517,518 1,200 125 \$150,000 661 517,518 1,200 \$643,000 661 517,518 1,200 \$25,000 661 517,518 1,200 \$25,000 661 517,518 1,200 \$25,500 666,188 1,200 \$25,500 \$25,500 669,188 \$1,200 \$25,500 \$25,550,900 610 517,518 1,200 \$25,550,900 610 517,518 1,200 \$25,550,900 610 517,518 1,200 \$25,550,900 610 517,518 51,912 \$25,550,900 610 513,53 51,912 \$25,550,927 610 95,750 \$25,550,927 \$25,550,927		400	000		\$654 500	drawings in process	Dec-02
6271-623 2,040 120 \$420,000 511-513, 516, 520; 3,500 120 \$96,000 511-513, 518 25,26 800 125 \$55,000 139, 141, 146 2,000 125 \$250,000 661 502, 523, 525, 527 2,400 125 \$150,000 efftj 517, 518 1,200 125 \$150,000 efftj 517, 518 1,200 125 \$150,000 islowance 21,835 2,400 125 \$160,000 islowance 21,835 21,835 \$170,000 filowance 21,835 513,533 \$25,500 filowance 21,835 \$41,000 \$25,550,927 filowance 51,535 535,550,927 \$25,550,927		414-470			¢316 800	nanning magan	Dec-02
571-573, 510, 520, 5,500 25,26 800 120 \$96,000 25,26 800 125 \$300,000 or east] 502, 523, 525, 527 2,400 125 \$300,000 efftj 517, 518 1,200 125 \$150,000 efftj 517, 518 1,200 125 \$150,000 efftj 517, 518 1,200 125 \$150,000 efftj 517, 518 1,200 \$643,000 efftj 517, 518 1,200 \$643,000 efftj 517, 518 1,200 \$696,188 allowance 21,835 \$1,002,447 ries 21,835 \$4,873,935 efftj 95,750 \$25,550,927 95,750 \$25,550,927		621-623	2,040	071	\$420,000	planning phase	Oct-02
25,26 a00 125 \$25,000 139, 141, 146 2,000 125 \$55,000 or east] 502, 523, 525, 527 2,400 125 \$150,000 effij 517, 518 1,200 125 \$150,000 effij 517, 518 1,200 125 \$150,000 allowance 81,072,447 1006 \$25,000 nies 21,835 \$48,873,935 nies 85,750 \$25,550,927 70tal funds \$25,550,927		511-513, 510, 52U;	000'0		\$06,000 \$06,000	pranning primeda	Oct-02
CRC Nanotechnology Laboratory 139, 141, 140 2,000 125 \$300,000 Chair in Chemical Biology [5th floor east] 502, 523, 525, 527 2,400 125 \$300,000 Biological chemistry facility [lab. refit] 517, 518 1,200 125 \$150,000 Non-phase specific contingency allowance Non-phase specific contingency allowance \$1,072,447 honge Air Balancing Z1,835 Z1,835 \$21,835 \$4,873,935 Jotal S16 S643,000 \$25,500 \$25,500 Air Balancing Z1,835 S1,835 \$4,873,935 Jotal 95,750 \$550,927 \$25,550,927	24a M. A. Winnik [refit of laboratories]	25,26	000	120	\$250 000	planning pridoc	
Chair in Chemical Biology [5th floor east] 502, 523, 525, 527, 2,400 125 5150,000 Biological chemistry facility [lab. refit] 517, 518 1,200 125 \$150,000 Lobby, estimated cost \$643,000 517, 518 1,200 125 \$150,000 Non-phase specific contingency allowance Non-phase specific contingency allowance \$107,471 longe \$1,072,447 longe Air Balancing Z1,835 Z1,835 \$4,873,935 \$25,000 Air Balancing Z1,835 \$5,550,927 \$25,550,927 Grand Total 95,750 \$25,550,927 \$25,550,927		139, 141, 146	2,000	123	\$200 000 \$200 000	province of the second se	
Biological chemistry facility [lab. refit] 517, 518 1,200 643,000 Lobby, estimated cost \$643,000 \$643,000 \$696,188 \$1,72,447 Non-phase specific contingency allowance \$1,72,447 \$109 \$1,72,447 Future allocation to U/G Laboratories \$25,000 \$25,000 Air Balancing 21,835 \$437,3935 Total 95,750 \$25,550,927 Grand Total Total funds \$25,550,927		502, 523, 525, 527	2,400	125	\$300,000 \$150,000	planing pilase	
Lobby, estimated cost \$643,000 9643,000 9643,000 9643,000 9666,188 5 Non-phase specific contingency allowance \$1,072,447 \$1006 \$25,000 \$25,000 \$25,50,927 \$1006		517, 518	1,200	C71		picaning primate	
Non-phase specific contingency allowance Non-phase specific contingency allowance Non-phase specific contingency allowance Non-phase specific contingency allowance Non-phase specific control Non-phase specific control <td></td> <td></td> <td></td> <td></td> <td>3043,UUU \$606 488</td> <td>pianing priase</td> <td></td>					3043,UUU \$606 488	pianing priase	
Future allocation to U/G Laboratories Air Balancing Total 6rand Total Total funds \$					001'0A0¢	sperit + puugeteu	
Air Balancing 21,835 \$4 Total 25,750 \$25 Grand Total 95,750 \$25					\$1,0/2,44/	onger term planning	
21,835			, 1		100,624		
J Total 95,750 Total funds	Total		21,835		94,010,400		
95,750 Total funds					POE EEU 007		
Total funds	Grand Total		95,750		17R'000'07¢		
				Total funds	\$25.550,927		
				Bolonco	\$0		
	<u>1</u>						

·

۰.

-