



FACILITIES MASTER PLAN 2013 -2023

PHASE V FINAL RECOMMENDATIONS APPENDIX A-C

November 22, 2011

State University Construction Fund Project No. 30884









PHASE V: APPENDIX

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PHASE V:

PHASE V APPENDIX A - COSTING STUDY

PHASE V				Ca	pital Budget Pla	n	
BUDGET SUMMARY							
Construction Budget Costs			2013-2018		2018-2023		Total
Construction Budget Costs							
A. Program / Department		\$	990,683,523	\$	140,498,939	\$	1,131,182,462
DOWNTOWN CAMPUS		Ψ	330,000,320	Ψ	140,430,333	Ψ	1,101,102,402
School of Medicine & Biologic	al Sciences	\$	433,514,361			\$	433,514,361
NORTH CAMPUS	ai ociences	Ψ	455,514,561			\$	
Renovations		\$	267,350,278	\$	23,699,936	\$	291,050,214
New Buildings		\$	131,027,033	\$	69,071,362	\$	200,098,395
SOUTH CAMPUS		Ψ	101,027,000	Ψ	00,071,002	\$	-
Renovations		\$	70,597,646	\$	47,727,641	\$	118,325,287
New Buildings		\$	88,194,205	т	,,.	\$	88,194,205
		·					· · ·
B. Not Typically State Funded		\$	150,244,711	\$	69,142,652	\$	219,387,363
DOWNTOWN CAMPUS							
School of Medicine & Biologic	al Sciences	\$	48,288,460	\$	-	\$	48,288,460
NORTH CAMPUS							
Renovations		\$	-	\$	-	\$	-
New Buildings		\$	77,453,809	\$	69,142,652	\$	146,596,461
SOUTH CAMPUS		_				_	
Renovations		\$	-	\$	-	\$	-
New Buildings		\$	24,502,442	\$	-	\$	24,502,442
C. Administration / Support Serv	vices	\$	242,625,954	\$	_	\$	242,625,954
NORTH CAMPUS		T	_ 1_/0_0/00 1	т		-	_ :_,;==,;==
Renovations		\$	162,343,243	\$	-	\$	162,343,243
New Buildings		\$	2,689,089	\$	_	\$	2,689,089
SOUTH CAMPUS		Ψ	2,000,000	Ψ		Ψ	2,000,000
Renovations		\$	76,799,369	\$	_	\$	76,799,369
New Buildings		\$	794,254	\$	_	\$	794,254
		·	· .	Ċ			·
D. Site Improvement Projects		\$	23,901,000	\$	103,601,000	\$	127,502,000
DOWNTOWN CAMPUS							
Sitework		\$	-	\$	1,512,000	\$	1,512,000
NORTH CAMPUS							
Sitework		\$	10,325,000	\$	67,240,000	\$	77,565,000
Demolition		\$	3,342,000	\$	-	\$	3,342,000
SOUTH CAMPUS					40.554.555	_	
Sitework		\$	-	\$	19,864,000	\$	19,864,000
Demolition		\$	10,234,000	\$	14,985,000	\$	25,219,000
Sub-Total Construction Budget C	osts	\$	1,407,455,188	\$	313,242,591	\$	2,310,213,097
Other Project Budget Costs			<u> </u>	<u> </u>			
Professional Fees, Equipment Costs, Contingencies Budgeted @	35%	\$	492,609,316	\$	109,634,907	\$	602,244,223
Sub-Total Project Costs		\$	1,900,064,504	\$	422,877,498	\$	2,322,942,002
Escalation through Year 4 of Funding Cy (Beginning 01/01/2011) @ Rate/Year	3.75%	\$	558,519,674	\$	234,889,138	\$	793,408,812
Total Projected Budget Costs		\$	2,458,584,178	\$	657,766,636	\$	3,116,350,814

[APPENDIX A]

SUCF Facilities Master Plan Project Phasing & Budget Funding Plan Campus: SUNY Buffalo FMP

Date: 12/6/2011 Plan Implementation - Projected Budgets





					Project Budget Type	es			Capital B	udget Plan		
	FINAL RECOMMENDATION	. (005) 11 "		D 0 1	New or Addition	0'' 0 '	0040.004		0040 0000	D 10000		T
5		Area (GSF) Unit	t Cost / GSF	Reno Costs	Costs	Site Costs	2013-201	8	2018-2023	Beyond 2023		Total
onstruction Bu	ldget Costs											
A D	Providence 4											
A. Program /	Department											
DC-N41	AA - Add - RIA Expansion - RIA - Health Sciences	47,090 \$	345.36		\$ 16,262,85	2				\$ 16,262,852	2 \$	16,262,852
SC-R24	APB - Reno - Biomedical Research Building Phase 2 - Centrally Scheduled Space - Health Sciences	74,000 \$	257.51	\$ 19,055,649			\$ 19,0	55,649			\$	19,055,649
SC-N3	APB - New - Professional Education Conference Center - Centrally Scheduled Space - Professional	120,000 \$	342.00		\$ 41,040,46	0	\$ 41,0	40,460			\$	41,040,460
SC-N22	APB - New - Future Academic Building - To Be Determined - Professional	150,000 \$	315.18		\$ 47,277,00	0				\$ 47,277,000) \$	47,277,000
SC-R11	ARCH - Reno - Wende Hall - Architecture - Professional	46,000 \$	208.56	\$ 9,593,543						\$ 9,593,543	3 \$	9,593,543
SC-N21	ARCH - New - Hayes Hall-Crosby Connector/Arch Shop - Architecture - Professional	33,150 \$	367.49		\$ 12,182,17	7	\$ 12,1	82,177			\$	12,182,177
NC-R5	ART - Reno - Baldy Hall - Media Study / Humanities - CAS	99,734 \$	242.09	\$ 24,144,112			\$ 24,1	44,112			\$	24,144,112
NC-N8	ART - Arts and Humanities Expansion (includes arts lofts) Arts and Humanities - CAS	202,000 \$	325.91		\$ 65,833,72	6				\$ 65,833,726	\$	65,833,726
NC-N27	CAS - New - Multi-Disciplinary Research Facility - CAS - CAS	100,000 \$	378.22		\$ 37,821,60	0		;	\$ 37,821,600		\$	37,821,600
DC-N38	DENT - New School of Dentistry - Dentistry - Health Sciences	229,228 \$	392.97		\$ 90,079,52	3				\$ 90,079,523	3 \$	90,079,523
SC-R9	DENT - PHHP - Reno - Biomedical Education Building Phase 1 - Dental and Public Health - Health Sciences	96,000 \$	252.14	\$ 24,205,824				,	\$ 24,205,824		\$	24,205,824
00 D40	DENT - PHHP - Reno - Biomedical Research Building Phase 1 - Dental and Public Health -	70.000 ft	007.74	¢ 00.504.047					Ф 00 F04 047			00 504 047
SC-R18 SC-R30	Health Sciences EDU - SW - Reno - Parker Hall Renovation - Education & Social Work - Professional	79,000 \$ 45,000 \$	297.74	\$ 23,521,817 \$ 10,622,237			\$ 10.6	22.237	\$ 23,521,817		\$	23,521,817 10,622,237
SC-N23	EDU - SW - New - Parker Hall Addition - Education & Social Work - Professional	77,000 \$	315.18	Ψ 10,022,201	\$ 24,268,86	n	, , , , , ,	68,860			\$	24,268,860
NC-R4	ENG - Reno - Furnas Building Wide Restoration - Engineering - Professional	105,729 \$		\$ 26,800,736	Ψ 24,200,00	0		00,736			\$	26,800,736
NC-R4A	ENG - Reno - Bell Backfill - Engineering - Professional	89,235 \$		\$ 18,012,024			7 ==,=	12,024			\$	18,012,024
NC-R4B	ENG - Reno - Bonner Backfill - Engineering - Professional	70,884 \$	201.85	\$ 14,307,887				07,887			\$	14,307,887
NC-N18	ENG - New - Multi-Disciplinary Research Facility - Engineering - Professional	100,000 \$	312.50	Ψ 14,001,001	\$ 31,249,76	2	ψ 14,5		\$ 31,249,762		\$	31,249,762
NC-N28	ENG - New - Engineering C - Engineering - Professional	121,810 \$	309.82		\$ 37,738,59					\$ 37,738,594	ı s	37,738,594
NC-R7	HUM - Reno - Clemens Hall -Humanities - CAS	117,414 \$		\$ 23,699,936	Ψ 01,100,00	1			\$ 23,699,936	Ψ 01,100,004	\$	23,699,936
NC-N19	HUM - New - Humanities Center - Humanities - Humanities	80,000 \$	312.50	Ψ 20,000,000	\$ 24,999,81	n		<u> </u>		\$ 24,999,810) \$	24,999,810
NC-R6	LAW - Reno - O'Brian Hall Classrooms - Law - LAW	164,697 \$		\$ 42,852,702	Ψ 24,000,01	<u> </u>	\$ 42.8	52.702		21,000,010	\$	42,852,702
SC-N1	LAW - New - Law School Building - Law - Professional	181,000 \$	317.86	Ψ 42,002,102	\$ 57,533,09	2	Ψ 12,0	02,702		\$ 57,533,092) <u>\$</u>	57,533,092
NC-N20	MAN - New - School of Management - Management - Professional	62,000 \$	237.39		\$ 14,718,23					\$ 14,718,236		14,718,236
DC-N34	NURS - New - School of Nursing - Nursing - Health Sciences	179,141 \$	379.56		\$ 67,994,25					\$ 67,994,255		67,994,255
NC-N4	OP - New - Fieldhouse - Athletics - Athletics	220,000 \$	299.09		\$ 65,798,85		\$ 65.7	98,855		<u> </u>	\$	65,798,855
NC-N4A	OP - New - Varsity Tennis Complex - Athletics - Athletics	7,000 \$	313.17		\$ 2,192,17		-	92,178			\$	2,192,178
NC-N6	OP - New - Recreation & Wellness Center - Athletics - Athletics	200,000 \$	315.18		\$ 63,036,00			36,001			\$	63,036,001
SC-R19	OP - Reno - Clark Hall Renovation - Athletics	83,500 \$		\$ 21,613,972	Ψ σσ,σσσ,σσ		7	13,972			\$	21,613,972
SC-N4	OP - New - Clark Hall Addition - Athletics - Athletics	42,000 \$	254.83	+ =:,0::0,0::=	\$ 10,702,70	 8		02,708			\$	10,702,708
DC-N35	PHHP - New - School of Public Health and Health Professions - Public Health - Health Sciences	176,639 \$	379.56		\$ 67,044,60		Ψ 10,7	02,700		\$ 67,044,603	3 \$	67,044,603
DC-N39	PHAR - New - School of Pharmacy - Pharmacy - Health Sciences	179,141 \$	369.50		\$ 66,192,25					\$ 66,192,251		66,192,251
NC-R3	SCI - Reno - Cooke/Hochstetter - Biology / Geology - CAS	554,770 \$		\$ 139,137,875	+ 		\$ 139.1	37,875		*************************************	\$	139,137,875
NC-R30	SCI - Reno - Green House - CAS	8,800 \$		\$ 2,094,941				94,941			\$	2,094,941
NC-N9	SCI - New - Natural Sciences Expansion A (Research Lofts) - Sciences - CAS	115,000 \$	346.03	* =,0001,001	\$ 39,793,15	2		- 1,5 11		\$ 39,793,152	2 \$	39,793,152
NC-N10	SCI - New - Natural Sciences B - Sciences - CAS	78,000 \$	367.82		\$ 28,690,09					\$ 28,690,098		28,690,098
NC-N10A	SCI - New - Natural Sciences (Greenhouse) - CAS	5,000 \$	249.46		\$ 1,247,30					\$ 1,247,308		1,247,308
NC-N26	SCI - New - Natural Sciences Expansion C - Sciences - CAS	193,000 \$	378.22		\$ 72,995,68					\$ 72,995,689		72,995,689
SC-R22	SCI - Reno - Foster Hall - CHD & CDS - Administration	69,178 \$	237.39	\$ 16,422,227	,	-	\$ 16.4	22,227		,	\$	16,422,227
DC-N31	SMBS - New - School of Medicine Phase I - SMBS - Health Sciences	531,497 \$	457.35	· · · · · · · · · · · · · · · · · · ·	\$ 243,078,18	7		78,187			\$	243,078,187
DC-N32	SMBS - New - School of Medicine Phase II - SMBS - Health Sciences	425,758 \$	447.29		\$ 190,436,17			36,174			\$	190,436,174
SC-R12	SW - Reno - Townsend Hall - Social Work - Professional	25,000 \$	115.34	\$ 2,883,562				83,562			\$	2,883,562

					Project Budget Types	3		Capital E	Budget Plan		
	FINAL RECOMMENDATION				New or Addition	011.			_		7
		Area (GSF) Unit	Cost / GSF	Reno Costs	Costs	Site Costs	2013-2018	2018-2023	Beyond 202	3	Total
Construction Bu	- -	4.5000.0	0.10.00								04.040.
SC-R21	VPR - Reno - Kapoor Hall, Academic / Incubator Space - Research - Professional	147,000 \$	216.60	\$ 31,840,557					\$ 31,840	,557 \$	31,840,557
B. Not Typica	illy State Capital Funded										
				_		_					
NC-N7	VPDAR - New - University Club Alumni Restaurant - None - Administration	44,000 \$	324.57		\$ 14,281,007			\$ 14,281,007		\$	14,281,007
NC-N16	VPEA - New - Hotel & Conference Center - None - Administration	143,750 \$	336.64		\$ 48,391,866				\$ 48,391	,866 \$	48,391,866
DC-N33	VPLS - New - North Street Parking Structure Phase 1&2 - Parking - Administration	675,500 \$	71.49		\$ 48,288,460		\$ 48,288,40	30		\$	48,288,460
DC-N40	VPLS - New - McCarley Gardens Parking Structure - Parking - Administration	450,450 \$	73.50		\$ 33,106,856				\$ 33,106		33,106,856
DC-N47	VPLS - New - University Housing A - Res Life - Student Affairs	262,500 \$	326.58 309.82		\$ 85,727,284 \$ 77.453.809		\$ 77.453.80	20	\$ 85,727	,284 \$	85,727,284
NC-N5	VPLS - New - Bookstore and Living-Learning quarter - Res Life - Student Affairs	250,000 \$			+,,		\$ 77,453,80	J 9	\$ 46,472	· ·	77,453,809
NC-N11 NC-N12	VPLS - New - Lee Road Residence Hall A - Res Life - Student Affairs	150,000 \$	309.82 309.82		\$ 46,472,285				•		46,472,285
NC-N12 NC-N15	VPLS - New - Lee Road Residence Hall B - Res Life - Student Affairs VPLS - New - Lee Road Garage - Parking - Student Affairs	150,000 \$ 224,640 \$	81.61		\$ 46,472,285 \$ 18,333,208			\$ 18,333,208	\$ 46,472	,285 \$ \$	46,472,285 18,333,208
NC-N17	VPLS - New - Lee Road Residence Hall C - Res Life - Student Affairs	150,000 \$	309.82		\$ 46,472,285			Ψ 10,000,200	\$ 46,472	Ψ	46,472,285
NC-N23	VPLS - New - Flint Garage - Parking - Student Affairs	239,400 \$	64.11		\$ 15,347,684			\$ 15,347,684	ψ +0,+72	\$	15,347,684
NC-N24	VPLS - New - Coventry Garage - Parking - Student Affairs	199,500 \$	64.78		\$ 12,923,520			\$ 12,923,520		\$	12,923,520
NC-N25	VPLS - New - Natural Sciences North Housing - Res Life - CAS	269,340 \$	336.64		\$ 90,670,366				\$ 90,670	,366 \$	90,670,366
NC-N29	VPLS - New - Hamilton Garage - Parking - Student Affairs	128,800 \$	64.11		\$ 8,257,233			\$ 8,257,233		\$	8,257,233
SC-N7	VPLS - New - University Housing A - Res Life - Student Affairs	92,000 \$	309.82		\$ 28,503,002					,002 \$	28,503,002
SC-N8	VPLS - New - University Housing B - Res Life - Student Affairs	90,000 \$	309.82		\$ 27,883,371				\$ 27,883		27,883,371
SC-N9	VPLS - New - University Housing C - Res Life - Student Affairs	90,000 \$	309.82		\$ 27,883,371				\$ 27,883		27,883,371
SC-N10 SC-N12	VPLS - New - Squire North Garage - Parking - Student Affairs VPLS - New - Winrige Garage - Parking - Student Affairs	290,000 \$ 382,200 \$	71.82 64.11		\$ 20,828,033 \$ 24,502,442		\$ 24,502,44	10	\$ 20,828	,033 \$	20,828,033 24,502,442
SC-R15	VPLS - Reno - Goodyear Hall, Partial conversion to graduate housing - Res Life - Student Affairs	151,300 \$	257.51	\$ 38,961,077	\$ 24,502,442		\$ 24,502,44	+∠	\$ 38.961	,077 \$	38,961,077
SC-R16	VPLS - Reno - Clement Hall, Partial conversion to graduate housing - Res Life - Student Affairs	183,300 \$	257.51	\$ 46,463,836					\$ 46,463		46,463,836
DC-N42	VPR - New - Incubator / Research Park A - Research - Health Sciences	120,000 \$	310.49	φ 40,403,630	\$ 37,258,300				\$ 40,463		37,258,300
DC-N43	VPR - New - Incubator / Research Park B - Research - Health Sciences	120,000 \$	310.49		\$ 37,258,300				Ţ 0:,=00	,300 \$	37,258,300
DC-N44	VPR - New - Incubator / Research Park D - Research - Health Sciences	120,000 \$	310.49		\$ 37,258,300					,300 \$	37,258,300
DC-N45	VPR - New - Incubator / Research Park E - Research - Health Sciences	120,000 \$	310.49		\$ 37,258,300				\$ 37,258		37,258,300
DC-N36	None - New - Private Development B - None - Administration	150,000 \$	325.91		\$ 48,886,430				•	,430 \$	48,886,430
DC-N37	None - New - Private Development A - None - Administration	150,000 \$	325.91		\$ 48,886,430				\$ 48,886		48,886,430
DC-N37	Notice - New - Fithate Development A - Notice - Administration	150,000 \$	323.91		Ψ 40,000,430				φ 40,000	,430 φ	40,000,430
C. Administra	ation / Support Services										
NC-R1	AA - LIB - Reno - Lockwood, HOTC* - Pre 2013 - Administration	36,225 \$	230.68	\$ 8,356,562			\$ 8,356,56	62		\$	8,356,562
NC-R1A	AA - LIB - Reno - Lockwood, HOTC* - Phase 2 - Administration	216,417 \$		\$ 49,924,142			\$ 49,924,14	42		\$	49,924,142
NC-R2	AA - LIB - Reno - Capen Hall, HOTC* - Pre 2013 - Administration	115,523 \$		\$ 34,706,216			\$ 34,706,2	16		\$	34,706,216
NC-R2A	AA - LIB - Reno - Capen Hall, HOTC* - Phase 2 - Administration	170,016 \$	300.43	\$ 51,077,379			\$ 51,077,3	79		\$	51,077,379
NC-R8	AA - LIB - Reno - Norton, HOTC - HOTC - Administration	34,554 \$	228.00	\$ 7,878,400			\$ 7,878,40	00		\$	7,878,400
NC-R8A	AA - LIB - Reno - Norton, (IT) Computing Center - Administration	1,000 \$	303.11	\$ 303,109			\$ 303,10	09		\$	303,109
NC-R10	AA - LIB - Reno - Talbert, HOTC - HOTC - Administration	39,212 \$	257.51	\$ 10,097,434			\$ 10,097,43	34		\$	10,097,434
NC N30	AA - LIB - Add - Capen Hall, HOTC*, North and South Entry Additions - HOTC -	10,000 \$	260 04		\$ 2,689,089		\$ 2.689.08	20		e	2,689,089
NC-N30 SC-R1	Administration AA - LIB - Reno - Abbott Hall, HOTC - HOTC - Administration	10,000 \$ 89,325 \$	268.91	\$ 27,075,236	ψ ∠,089,089		\$ 2,689,08 \$ 27,075,23			φ φ	27,075,236
	·	1								Φ •	
SC-R17	AA - LIB - Reno - Abbott Hall - Phase 2 HOTC - HOTC - Library / Administration ART - Reno - Center for Tomorrow for Environmental Education & Research - Administration	11,671 \$	299.09				\$ 3,490,62	<u> </u>	\$ 4,485	ου3 φ	3,490,629 4,485,803
NC-R9		17,420 \$	257.51				¢ 10,000.00	24	φ 4,485	,803 \$	
SC-R31	DENT - Reno - Squire Hall - Dental - Health Sciences	78,750 \$	242.42	\$ 19,090,604	¢ 46.040.070		\$ 19,090,60	J 4	¢ 16.040	976 0	19,090,604
NC-N13	UF - New - Helm Building Expansion - Infrastructure	52,000 \$	312.50		\$ 16,249,876		L		\$ 16,249	,876 \$	16,249,876



[APPENDIX A]

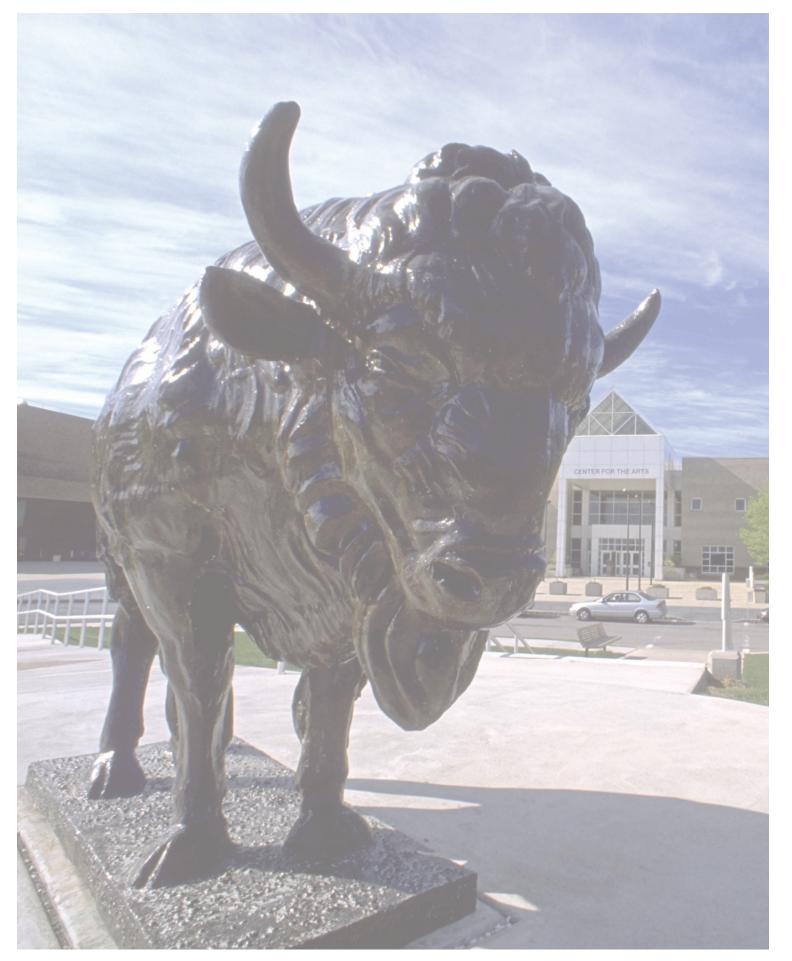
					Project Budget Types			Capita	l Budget Plan		
	FINAL RECOMMENDATION				New or Addition						
		Area (GSF) Unit	Cost / GSF	Reno Costs	Costs	Site Costs	2013-2018	2018-2023	Beyond 20	23	Total
Construction Bu	<u> </u>										
NC-N21	UF - New - Public safety facility - Administration	26,000 \$	325.91		\$ 8,473,648					3,648 \$	8,473,64
NC-N22	UF - New - University Support Additions - Administration	75,000 \$	324.57		\$ 24,342,626				\$ 24,34		24,342,62
SC-R13	UF - Reno - Beck Hall for Admin Support - Administration	7,000 \$		\$ 1,642,960					\$ 1,64	2,960 \$	1,642,96
SC-R32	VPLS - Reno - Harriman Hall - Administration	56,924 \$	301.77	\$ 17,177,847			\$ 17,177,847			\$	17,177,84
SC-R7	VPEA - Reno - Allen Hall - Buffalo Prep - Administration	40,000 \$		\$ 9,965,053			\$ 9,965,053			\$	9,965,05
SC-R23	VPLS - Reno - Squire Hall, Academic / Campus Life - Administration	239,660 \$		\$ 57,777,034					\$ 57,77		57,777,03
SC-N6	VPLS - New - Transit Pavilion - Parking - Student Affairs	3,600 \$	220.63		\$ 794,254		\$ 794,254			\$	794,25
D. Site Impro	ovement Projects										
DC-EP32	Land Costs (Phase 3) - Administration	1 \$	_			\$ -			\$	- \$	_
DC-EP35	Land Costs (Phase 1& 2) - Administration	1 \$	_			\$ -	\$ -			\$	_
DC-L29	Landscape at Allen Street Metro - Administration	63,100 \$	23.96			\$ 1,512,000	,	\$ 1,512,000)	\$	1,512,00
DC-L31	McCarley Gardens Quad - Administration	54,700 \$	10.77			\$ 589,000		,,512,000		9,000 \$	589,00
DC-L32	Land Costs for McCarley Gardens - Administration	1 \$	-			\$ -			\$	- \$	
DC-RW30		145,300 \$	14.18			\$ 2,061,000			•	,000 \$	2,061,00
NC-D2	Demo Bissell Hall - Student Affairs	9,150 \$	27.10			\$ 248,000				3,000 \$	248,00
NC-D3	Demo Campus Mail Center - Administration	10,344 \$	27.10			\$ 282,000				2,000 \$	282,00
NC-D4	Demo Bookstore - Student Affairs	21,273 \$	27.17			\$ 578,000	\$ 578,000		φ 20	φ.	578,00
NC-D5	Demo Commons - Student Affairs	98,185 \$	28.15				\$ 2,764,000			φ	2,764,00
NC-D6	Demo Flint Village - Administration	93,600 \$	27.16			\$ 2,764,000	2,704,000		\$ 2.54	2,000 \$	2,704,00
			-				\$ 2,290,000		Φ 2,04	z,000 φ	
NC-L20	Red Jacket open Space Enhancements - Administration	233,500 \$	9.81			\$ 2,290,000	\$ 2,290,000			φ	2,290,00
NC-L21	Fargo/Porter Open Space Enhancements - Administration	70,500 \$				\$ 819,000	\$ 619,000		\$ 16.19	Φ 000	819,00
NC-L22	Creek restoration and tree planting - Administration	25,000 \$	647.80			\$ 16,195,000		\$ 2,657,000	Ψ .0,.0	5,000 \$	16,195,00
NC-L23A	Audubon Recreation Trail (Middle Segment) - Administration	1,380,103 \$	1.93			\$ 2,657,000				\$	2,657,0
NC-L23B	Audubon Recreation Trail (North Segment) - Administration	1,025,900 \$	2.99			\$ 3,066,000		\$ 3,066,000		\$	3,066,00
NC-L23C	Audubon Recreation Trail (South Segment) - Administration	1,060,057 \$	2.79			\$ 2,961,000		\$ 2,961,000		\$	2,961,00
NC-L24	Lake LaSalle Ecological Improvements - Administration		,629,000.00			\$ 8,629,000				9,000 \$	8,629,00
NC-L26	Site Restoration The Oval - Administration	278,420 \$	2.55			\$ 709,000		\$ 709,000		\$	709,00
NC-L27	Remove Lee Road Berm - Administration	26,000 \$	15.27			\$ 397,000		\$ 397,000)	\$	397,0
NC-L28	Marshall Court and Kanazawa Island Enhancement - Administration	208,000 \$	9.99			\$ 2,077,000				\$	2,077,00
NC-L29	Richmond/ Spaulding Open Space Enhancements - Administration	220,000 \$	6.53			\$ 1,436,000	\$ 1,436,000			\$	1,436,0
NC-PR20A	Realign Putman Way (Putnam Way North) - Administration	95,000 \$	15.77			\$ 1,498,000		\$ 1,498,000)	\$	1,498,00
NC-PR20B		73,000 \$	11.40			\$ 832,000		\$ 832,000		\$	832,00
NC-PR20C	Realign Putman Way (Putnam Way South) - Administration	61,200 \$	7.84			\$ 480,000		\$ 480,000		\$	480,0
NC-PR21	Lee Road Streetscape - Administration	60,000 \$	4.12			\$ 247,000		\$ 247,000)	\$	247,00
NC-PR22	Rensch Plaza - Administration	59,000 \$	7.08			\$ 418,000		\$ 418,000)	\$	418,00
NC-PR23	Capen Hall - Administration	15,000 \$	27.53			\$ 413,000		\$ 413,000)	\$	413,00
NC-PR24	Science Corridor - Administration	47,000 \$	8.28			\$ 389,000		\$ 389,000)	\$	389,00
NC-PR25	Founders Plaza and Academic Spine - Administration	228,000 \$	16.18			\$ 3,689,000		\$ 3,689,000)	\$	3,689,00
NC-PR26	Social Sciences Quad - Administration	76,955 \$	10.97			\$ 844,000	\$ 844,000			\$	844,00
NC-PR27	Lockwood Library Spine - Administration	40,500 \$	17.51			\$ 709,000		\$ 709,000)	\$	709,00
NC-PR28	Center for the Arts Spine - Administration	27,500 \$	40.40			\$ 1,111,000		\$ 1,111,000)	\$	1,111,00
NC-PR29	Student Union Corridor - Administration	85,000 \$	23.04			\$ 1,958,000		\$ 1,958,000)	\$	1,958,00
NC-PR30	Richmond Quadrangle - Administration	13,500 \$	14.37			\$ 194,000	\$ 194,000			\$	194,00
NC-PR31	Red Jacket Quadrangle - Administration	12,700 \$	15.28			\$ 194,000	\$ 194,000			\$	194,00

					Project Budget Types				Capital B	udget Plan		
	FINAL RECOMMENDATION	. (225)		5 0 .	New or Addition	011 0 1	2212 22					
Comptunction De		Area (GSF) Ur	nit Cost / GSF	Reno Costs	Costs	Site Costs	2013-201	8	2018-2023	Beyond 2023	₩	Total
Construction Bu NC-PR32	Porter Quadrangle - Administration	8,800 \$	21.36			\$ 188,000	C 1	38,000			•	188,000
NC-PR32 NC-PR33		15,500 \$	12.65			\$ 196,000		96,000			φ Φ	196,000
	Fargo Quadrangle - Administration										φ	
NC-PR34	Wilkeson Quadrangle - Administration	14,700 \$	13.20			\$ 194,000		94,000			φ -	194,000
NC-PR35	Spaulding Quadrangle - Administration	10,300 \$	16.50			\$ 170,000	\$ 1	70,000	1 000 000		\$	170,000
NC-PR36	Landmark Tower and Pergola at Oval - Administration		1,609,000.00			\$ 1,609,000	ф 1.2	12.000	1,609,000		φ -	1,609,000
NC-PR37	Hardscape Improvements - Administration		1,213,000.00			\$ 1,213,000	Φ 1,2	13,000	22 770 000		φ -	1,213,000
NC-RW20	Existing Surface Parking Improvements - Administration	3,167,548 \$	10.66			\$ 33,778,000		•	33,778,000		\$	33,778,000
NC-RW21	Coventry Intersection Improvements - Administration	44,959 \$	14.90			\$ 670,000		\$		t 4.070.000	\$	670,000
NC-RW22	Coventry Loop Improvements - Administration	184,328 \$	5.80			\$ 1,070,000				\$ 1,070,000		1,070,000
NC-RW24	Webster Road Extension - Administration	24,000 \$	20.63			\$ 495,000		•	0.540.000	\$ 495,000	\$	495,000
NC-RW25	Webster Road Roundabout and Swing Lot - Administration	81,235 \$	43.24			\$ 3,513,000		\$	0,0.0,000		\$	3,513,000
NC-RW26	Reconfigure Hamilton Loop (Hamilton Way) - Administration	168,900 \$	6.16			\$ 1,040,000		*	1,040,000	T 704 000	\$	1,040,000
NC-RW27	Hamilton Road Intersection - Administration	41,844 \$	18.26			\$ 764,000			4 400 000	\$ 764,000	\$	764,000
NC-RW28	Reconfigure Flint Loop and Roundabout - Administration	85,526 \$	13.80			\$ 1,180,000			1,180,000		\$	1,180,000
NC-RW29	Flint loop Improvements - Administration	68,422 \$	15.61			\$ 1,068,000		\$	1,000,000		\$	1,068,000
NC-RW30	I-990 Roundabout - Administration	113,766 \$	16.42			\$ 1,868,000		\$	1,000,000		\$	1,868,000
NC-RW31	Rensch Road roundabout - Administration	36,638 \$	46.10			\$ 1,689,000		*	1,689,000		\$	1,689,000
NC-RW31	Millersport / Audubon Roundabout - Administration	187,555 \$	19.29			\$ 3,618,000				\$ 3,618,000		3,618,000
NC-RW32	Hadley Road Extension to Service District - Administration	60,000 \$	6.35			\$ 381,000		40.000	,	\$ 381,000	\$	381,000
NC-RW38	Service Center road Intersection (including path to service neighborhood) - Administration	27,291 \$	18.69			\$ 510,000	\$ 5	10,000			\$	510,000
NC-U21	NC Site & Underground Utility Restoration, Phase I - Administration	1 \$	-			\$ -	\$	-			\$	=
NC-U22	NC Site & Underground Utility Restoration, Phase II - Administration	1 \$	-			\$ -	\$	-			\$	=
NC-U23	Ellicott Complex Tunnel Improvements - Administration	54,000 \$	-			\$ -	\$	-			\$	-
SC-D7	Demolish MacDonald Hall - Administration	37,117 \$	28.53			\$ 1,059,000		59,000			\$	1,059,000
SC-D8	Demolish Michael Hall - Administration	36,525 \$	28.53			\$ 1,042,000	· · · · · · · · · · · · · · · · · · ·	12,000			\$	1,042,000
SC-D9	Demolish Pritchard Hall - Administration	37,117 \$	28.53			\$ 1,059,000		59,000			\$	1,059,000
SC-D10	Demolish Schoellkopf Hall - Administration	37,117 \$	28.53			\$ 1,059,000	\$ 1,0	59,000			\$	1,059,000
SC-D11A	Demolish Hayes Annex A - Administration	12,070 \$	22.87			\$ 276,000		\$	276,000		\$	276,000
SC-D11B	Demolish Hayes Annex B - Administration	12,140 \$	22.73			\$ 276,000		\$	=: 0,000		\$	276,000
SC-D11C	Demolish Hayes Annex C - Administration	12,376 \$	22.79			\$ 282,000		\$	282,000		\$	282,000
SC-D12	Demolish Acheson Annex - Administration	10,140 \$	24.85			\$ 252,000	\$ 2	52,000			\$	252,000
SC-D13	Demolish Diefendorf Annex - Administration	26,600 \$	20.98			\$ 558,000		\$	558,000		\$	558,000
SC-D14	Demolish Sherman Hall - Administration	80,628 \$	28.50			\$ 2,298,000		\$	2,298,000		\$	2,298,000
SC-D15	Demolish Sherman Annex - Administration	31,982 \$	28.52			\$ 912,000		\$	912,000		\$	912,000
SC-D16	Demolish Farber Hall - Administration	210,903 \$	28.49			\$ 6,008,000		\$	-,,		\$	6,008,000
SC-D17	Demolish Farber Annex - Administration	5,751 \$	30.78			\$ 177,000		\$,		\$	177,000
SC-D18	Demolish Cary Hall - Administration	147,298 \$	28.50			\$ 4,198,000		\$	4,198,000		\$	4,198,000
SC-D19	Demolish Kimball - Administration	136,120 \$	29.83			\$ 4,060,000			,	\$ 4,060,000	\$	4,060,000
SC-D20	Demolish Parker Hall Rear additions only - Professional	25,000 \$	28.48			\$ 712,000		12,000			\$	712,000
SC-D21	Demolish Buffalo Materials Research Center and Reactor - Administration	24,698 \$	204.51			\$ 5,051,000	\$ 5,0	51,000			\$	5,051,000
SC-D22	Demolish Squire Hall West Addition - Administration	102,000 \$	30.47			\$ 3,108,000				\$ 3,108,000	1	3,108,000
SC-D23	Demo Squire loop and Squire Lot - Administration	25,200 \$	4.84			\$ 122,000				\$ 122,000	\$	122,000
SC-L40	Goodyear Quadrangle - Administration	17,000 \$	16.41			\$ 279,000		\$			\$	279,000
SC-L41	Winridge (Landscape) Entrance - Administration	43,000 \$	6.56			\$ 282,000		\$	282,000		\$	282,000
SC-L42	Diefendorf Quadrangle - Administration	85,320 \$	9.20			\$ 785,000	\$ 7	35,000			\$	785,000
SC-L43	Southeast Recreation Fields - Administration	583,542 \$	1.55			\$ 902,447				\$ 902,447		902,447
SC-L44	Clark Lawn - Administration	309,638 \$	5.66			\$ 1,753,000	\$ 1,7	53,000			\$	1,753,000



[APPENDIX A]

		Г			Project Budget Types			Capital Bu	ıdget Plan		
	FINAL RECOMMENDATION	Area (CCE) 11	oit Coot / CCE	Reno Costs	New or Addition	Cita Caata	2012 2010	2019 2022	Daviand 2022		Total
Construction Bu	dget Costs	Area (GSF) Ui	III COSI / GSF	Reno Costs	Costs	Site Costs	2013-2018	2018-2023	Beyond 2023		Total
SC-L45	Reclaim the Main Street Lawn - Administration	711,022 \$	3.98		\$	2,828,000			2,828,000	\$	2,828,000
SC-L46	Reclaimed Cary Site - Administration	40,000 \$	9.33		 \$						373,000
SC-L47	Professional Education Center Quad - Administration	46,905 \$	12.05		 \$	565,000				1	565,000
SC-L48	Hayes Lawn - Administration	518,811 \$	1.59		\$	826,000	\$	826,000		\$	826,000
SC-L49	Abbott Loop Landscape - Administration	1 \$	487,000.00		\$	487,000	\$	487,000		\$	487,000
SC-L50	Parker Hall Lawn - Administration	1 \$	570,000.00		\$	570,000	\$	570,000		\$	570,000
SC-L51	Abbott Road Entrance at Bailey - Administration	1 \$	588,000.00		\$	588,000	\$	588,000		\$	588,000
SC-L53	Landscape Baily Parking A and B lots - Administration	120,000 \$	2.30		\$	276,000		(\$ 276,000	\$	276,000
SC-PR43	Sutton Lane Path Improvements - Administration	35,000 \$	5.17		\$	181,000		(181,000	\$	181,000
SC-PR44A	Bailey Avenue Streetscape (South Segment - Administration)	247,088 \$	2.64		\$	653,000	\$	653,000		\$	653,000
SC-PR44B	Bailey Avenue Streetscape (North Segment - Administration)	247,088 \$	1.51		\$	372,000	\$	372,000		\$	372,000
SC-PR45	Main Lawn along Main Street - Administration	458,000 \$	1.52		\$	698,000 \$	698,000			\$	698,000
SC-PR46	Cary and BEB Quadrangle - Administration	58,200 \$	13.57		\$	790,000	\$	790,000		\$	790,000
SC-PR47	Abbott Hall Quadrangle - Administration	1 \$	803,000.00		\$	803,000 \$	803,000			\$	803,000
SC-PR48	Demo Southeast Parking replace with Recreation Area - Administration	1 \$	1,094,000.00		\$	1,094,000		Ç	1,094,000	\$	1,094,000
SC-RW40	Existing Surface Parking Improvements (Townsend lot) - Administration	46,000 \$	14.98		\$	689,000		Ç	689,000	\$	689,000
SC-RW41	Goodyear Road - Administration	77,761 \$	34.52		\$	2,684,000		Ç	2,684,000	\$	2,684,000
SC-RW42	South West Loop Road Completion at Parker/Kapoor - Administration	99,305 \$	27.28		\$	2,709,000	\$	2,709,000		\$	2,709,000
SC-RW43	South Loop Road Completion at PEC and LAW - Administration	62,289 \$	10.77		\$	671,000	\$	671,000		\$	671,000
SC-RW44	Loop Road Completion (Sherman to Michael) - Administration	54,653 \$	12.55		\$	686,000	\$	686,000		\$	686,000
SC-RW45	Reconfigured NFTA Park and Ride lot and Allen Road - Administration	155,215 \$	18.94		\$	2,940,000		Ç	2,940,000	\$	2,940,000
SC-RW46	Main Circle Improvements and Transit Plaza - Administration	42,821 \$	25.24		\$	1,081,000		Ç	1,081,000	\$	1,081,000
SC-RW47	Winridge entry - Administration	1 \$	1,629,000.00		\$	1,629,000	\$	1,629,000		\$	1,629,000
SC-RW48	Hayes Loop west - Administration	1 \$	750,000.00		\$	750,000	\$	750,000		\$	750,000
SC-RW49	North Abbott Road Entrance Parking Lots A & B at Bailey - Student Affairs	1 \$	2,233,000.00		\$	2,233,000	\$	2,233,000		\$	2,233,000
SC-RW49A	Bailey Parking lot A - Administration	93,000 \$	18.59		\$	1,729,000	\$	1,729,000		\$	1,729,000
SC-RW49B	Bailey Parking lot B - Administration	53,400 \$	30.04		\$	1,604,000	\$	1,604,000		\$	1,604,000
SC-RW50	Squire Road Entrance - Administration	1 \$	390,000.00		\$	390,000	\$	390,000		\$	390,000
SC-RW51	North Segment Hayes Loop - Administration	1 \$	1,955,000.00		\$	1,955,000	\$	1,955,000		\$	1,955,000
SC-RW52	Abbott Loop (Abbott Plaza & traffic calmed roadway (inclAbbott Loop improvement) - Administration	137,805 \$	4.80		\$	661,000	\$	661,000		\$	661,000
Sub-Total C	Construction Budget Costs			\$ 839,282,921	\$ 2,441,361,071 \$	190,027,447 \$	1,411,494,188 \$	313,951,591	1,745,225,661	\$	3,470,671,440
Other Project Bu	dget Costs										
	Professional Face Fauinment Costs Contingensias Budgeted &						404 000 000	100 000 057 (640,000,004	·	1 214 725 024
	Professional Fees, Equipment Costs, Contingencies Budgeted @ 35%					3	, , ,	109,883,057			1,214,735,004
	Sub-Total Project Costs Escalation through Year 4 of Funding Cycle (Beginning 01/01/2011) @ Rate/Year 3.75%					\$	1,905,517,154 \$	6 423,834,648 8 6 235,420,791 8			4,685,406,444 2,844,866,326
	2.73/0					Ψ	000, 122, 1 00 ψ	, 200,720,701	, 2,0 -0 ,020,007	Ψ	2,077,000,020
Total Projected E	Budget Costs					¢	2 465 639 623	659 255 439	4,405,377,709	\$	7,530,272,770
Total Trojected E	outype oosto					Ą	Z, 1 00,009,029 \$	000,200,400	7,700,011,105	Ψ	1,000,212,110



PHASE V: APPENDIX

PHASE V APPENDIX B - RESPONSE TO PHASE IV COMMENTS

RESPONSE TO PHASE IV COMMENTS DOWNTOWN

PHASE I & II OF MEDICAL SCHOOL MOVE DOWNTOWN

The Entire SMBS desires to move Downtown prior to 2023. Phase I will include Administration, School of Medicine, science and research. Phase II will consist of additional growth, faculty, research labs, and animal labs. The total gross area of phase 1 and 2 construction is anticipated to be 800-850k sq. ft. in addition to CTRC and COE. There was a minimal 3% difference between the independent space needs reports of The UB Capital Planning Group and the UB Facilities Master plan Phase III report by consultant Paulien and Associates. On the South Campus, BRB will still be utilized by the School of Medicine. The Cary/Farber/Sherman complex will be demolished. BRB, BEB, Kimball, and Diefendorf will remain to service biomedical functions. The later move beyond 2023 includes other health sciences programs such as: the Public Health, Pharmacy, Dental, and Nursing Schools. A more systematic planning effort, similar to what has occurred for the School of Medicine, is planned for the other health science schools to ensure proper sequencing of realignment, demolition, and new construction.

ROOSEVELT BUILDING

The first floor of the Roosevelt building will be dedicated to the development of UB's Institute for Healthcare Informatics. In cooperation with Dell, the renovated first floor will accommodate Dell's high powered computers and 100 employees from UB, Dell, CTG (a Buffalo based technology company), and UB Associates (the management service organization supporting the 450 physicians in the UBMD medical

practice plans). Medical informatics is an emerging health care field centered on using information technology to analyze and share patient information among health care practitioners and across health care institutions. Such analysis leads to better monitoring of patient care, enhanced measures to prevent disease and identification of more-effective treatments, which leads to better patient outcomes and reduced medical costs.

SHARED AMENITIES

The following is a list of components within the SMBS Program that should be central to the BNMC campus as they offer the greatest opportunities for shared use.

- SMBS Program
 - Lab Animal Facility
 - o Simulation Center
 - Medical Library
 - Conference Facility
 - o Café
 - o Fitness Center
 - Museum
- Other
 - Parking
 - Medical Office Building
 - Open Space
 - Signage/Wayfinding
 - Transit BNMC Entry

To the greatest extent possible these shared program elements will be executed within Phase 1 of the

[APPENDIX B]

move downtown. While Option 1a's location is ideal for shared use between SMBS and other partnering institutions, proximity to the Health Science schools located on the McCarley Gardens site is stretched. This decentralized approach provides the opportunity for UB to maximize synergies with partnering institutions.

DISTRIBUTED VS CONSOLIDATED

The distribution of UB program across the BNMC campus varies greatly between options presented within Phase IV. UB2020 as well as this Facilities Master Plan envision a campus where relationships between UB and partnering institutions are equally as important as those between UB's own Medical School and Health Science Schools. It is expected that collaboration opportunities will be generated as a result of proximity. Therefore, options that distribute program to some extent throughout the BNMC were favored. The selection of Option 1a recognizes this, as the Allen Street station location is ideal for shared used between SMBS and other partnering institutions.

CAMPUS IDENTITY

While cooperation amongst BNMC partnering institutions is encouraged, there is no plan in the next 10 years to create a collective identity between UB, Kaleida, BNMC, and others within the downtown campus. Within the next 10 years focus will be on creating an identity for UB. Important cooperative opportunities are listed below.

- Ellicott Street as a connection through the campus is being well received and Ellicott Street Linear Park is currently under construction. Strategic programing of Ellicott Street will be a very important collaborative effort that the BNMC should promote.
- The greatest promise for retail is along Main Street. Ellicott has potential for service related retail (Medical hardware, clothing, and hospital support). High Street could potentially have retail that would serve the neighborhood but the Fruit Belt neighborhood may not have the density to support it.

• The Ellicott Street gateways are currently hard to find. Strategic open spaces linked along Ellicott Street by 5 minute walks and the HOTC shared amenities should be planned in such a way that they connect the Ellicott spine to Main Street.

COMMUNITY CONNECTIONS

Residents are concerned about a wall (parking garages and central plant) along Michigan Avenue. Development should continue to encourage the neighborhood's rich culture. Lowrise development at Michigan and Virginia should open up to the newly created Virginia Street Park. This space should be seen as a public community entrance onto the BNMC campus. The streetscape along the south side of Michigan should be developed at a pedestrian scale and open up to the adjacent community to the East.

By partnering with local communities to enhance areas, create multi-family residences, and live-work housing along High Street, UB might be able to attract researchers, doctors, and other staff. This concept of creating an "Educational Pipeline" is vital to UB's future success. One of the top 5 public schools (grades five through twelve) in the country has just relocated to the area. UB should continue exploring the benefits of creating a similar medical magnet school in the area.

The site at High and Ellicott currently identified as DC-N32 and DC-L29 may be contaminated and may require soil to be removed. This type of extensive excavation would make below grade parking a more achievable possibility. Option 1a, the final option, indicates structured parking at North and Ellicott Street. In addition to this site, UB may be required to provide a fair number of accessible spaces adjacent to the facility.

1001 MAIN STREET

In terms of visitors, the SMBS is seen as a semi-public facility with continuing education programs and grand rounds. A street level presence is important. The Allen Street transit site and adjacent sites selected in the

final option provide UB the desired street presence and strengthen a connection from Main to Ellicott. Air rights over the Allen Street Subway should continue to be discussed as this site has great potential in becoming the "front door" to the BNMC campus.

MCCARLEY GARDENS SITE

While attractive due to its location, size, and proximity to highway 33, the McCarley Gardens site does not provide the proximity to Kaleida, Buffalo General Hospital, the CTRC that the SMBS (when located at the Allen Street Transit site) and other UB Health Science schools desire. Due to its visibility, accessibility and size, this site would be particularly attractive for a use that is affiliated with but not necessarily incorporated with the rest of the BNMC. Its location would provide opportunities for the correct building scale and a separate entrance required for a research park. The final option envisions development of McCarley occurring beyond 2023 for select health science schools and research incubators.

PILGRIM VILLAGE SITE

Pilgram village is attractive due to the direct adjacencies to Buffalo Niagra Hospital and Kaleida. However in contrast to McCarley it would not be a great site for a research park due to its more restricted access and less visible separate entry. Acquisition of Pilgrim Village would also be much more difficult to achieve considering UB already has an option to purchase McCarley. This FMP presents a combination of the Allen Street Transit site and McCarley Gardens as the best development scenario for UB.

BNMC PARKING LOT

The importance of the BNMC parking lot site to UB is elevated once McCarley Gardens is purchased. The BNMC lot contains very valuable frontage along Ellicott Street. UB should work diligently to collaborate with other partnering institutions to develop this site.

SOUTH CAMPUS

In response to questions that arose from the FMP Deans and VP meeting that occurred on June 21st 2011 and recorded within the FMP Phase IV Chapter F, the following South Campus items have been addressed within this Phase V report.

SURVEY OF HEALTH SCIENCE SCHOOL COMPONENTS

In the fall of 2010 the UB Capital Planning group surveyed the current School of Medicine spaces to determine space utilization and project future needs. UB's Capital Planning Group has begun conducting a space utilization survey for the remaining schools. The preliminary findings of this survey have informed this FMP to the greatest extent possible, however the final results of the survey were not available to be reported here. Due to the fact that the mechanical systems for Cary Farber and Sherman are all linked the phased demolition of them would be prohibitively difficult. As a result, the completion of BEB and BRB construction will need to be phased in such a way that portions of the building will be habitable for those moving out of Cary Farber and Sherman prior to final completion of the renovation. The BEB classroom and office wing will be kept and used for additional space.

DENTAL SCHOOL & ANATOMY LABS

The Dental School move to downtown is projected to be beyond 2023 and therefore the demolition of the anatomy lab portion of Squire Hall is no longer being recognized as a demolition occurring within the 2023 timeframe.

LARGE MULTI-USER CLASSROOM SPACE

In general UB has a need for more centrally scheduled classroom space. This need will be met early on by the PEC. Centrally located, it will provide large classroom space for all schools on South Campus to utilize.

PROFESSIONAL EDUCATION CENTER (PEC)

The PEC has been located adjacent to Abbott Road across from Diefendorf Hall. This location is not only central to most schools on campus, it allows for

completion of the PEC before the Cary Farber Sherman Demolition as population on campus increases from the School of Social Work and School of Education. Classrooms within the PEC may be able to meet the large conference space needs of Dental and Public Health. The program for this building includes a small boutique hotel and large lecture hall for public engagements and distinguished speakers.

STUDENT OCCUPANCY

The intent of this FMP is to load campuses in a way that populations remain stable so that they would do no harm to the surrounding area. Before the Medical School moves downtown, a slight student upsurge will exist on South Campus. The North Campus will lose some occupancy while the Downtown Campus grows. The population on the South Campus is projected to stay the same in the long term.

RETAIL AND DINING

The learning landscape plans presented as a major component of UB2020 have been included within this FMP for each campus. These plans have been updated to represent components that are included within the 2023 scope of this plan.

CLARK HALL RENOVATION

The Clark Hall addition and renovation is a priority campus life initiative. Public Health and Exercise Science facilities may also be able to utilize the space for Exercise Science programs. If necessary, Clark may be renovated before and independently of a later addition.

ABBOTT HALL

As the physical center of campus Abbott Hall is a very important part of the student experience on South Campus. The renovation of Abbott Hall aims to open it up more so that it is experienced as an open square to both the Northwest and Southeast entrances. Upper floors will contain the future library and learning commons areas while lower floors are to be academic focused. The ground floor is to be a one stop location for student services, home to admissions

and will include a cafe serving both visitors and undergraduates. In order to transform Abbott Hall into a true HOTC it will need to become a place where students want to come rather than a place they have to come.

BAILEY AVENUE

To improve the Bailey Avenue streetscape, a bicycle and pedestrian friendly recreational path has been provided along Bailey Avenue. Entrances at Abbott Road and Squire Road will open up to Bailey Avenue to provide a pleasant welcoming experience and a sense of arrival.

NFTA TRANSIT PAVILION

Relocation of UB shuttle drop is currently being discussed with NFTA authorities. UB busses will not be allowed to enter the lower loop on Main, which may be upgraded in the future to accommodate more NFTA busses.

PARKING

One parking garage was intended to be constructed within the FMP timeframe. The Winridge Garage, located at Winridge Road on the south side of the campus would accommodate about 1,100 spaces on three levels and allow for the removal of other surface lots on campus. Additionally, with the creation of the Abbott Road entrance, the Sherman lot would be removed and replaced with surface parking constructed on the site of the demolished Cary and Farber Halls. These lots, identified as Abbott Lots A and B, would be located between the new Hayes Loop Road and Bailey Avenue and accommodate about 400 parking spaces. The Diefendorf Lot, located in front of Diefendorf Hall, may also be relocated if the decision is made to site a building in this space. In this case, the replacement surface parking would likely be constructed north of the new Abbott Lots A and B. In addition to these parking facilities, metered parking would be installed along Hayes Loop road.

The analysis of parking demand and supply included all of these changes, in addition to numerous small

accessory parking lots that would be removed when the adjacent building was demolished. This analysis shows that in all years there would be a surplus of parking of over 800 to 1,150 spaces. The south campus parking table, D-8, summarizes the South Campus parking projections.

RETAIL/RESIDENTIAL

Retail/residential along Bailey Ave is not viable and therefore must be inwardly focused on campus. Art and sculpture can be used to minimize the presence of parking structures along Bailey.

PEDESTRIAN PATTERNS

The VA Hospital currently leases parking from UB on South Campus. A parking garage by VA is being planned as a replacement. VA visitors currently arrive to the VA at the NFTA metro and cross the UB Campus. This pedestrian circulation pattern has been identified within this FMP.



[APPENDIX B]

NORTH CAMPUS

ACADEMIC VS CAMPUS LIFE

In order for academic units to grow and realign into more consolidated precincts as professional schools move to the South Campus, a large number of academic buildings are being renovated within the 2023 timeframe. All new building projects respond to the needs indicated in the Phase III report for campus life improvements. While this FMP intends to distribute improvements across departments, there is an emphasis on "campus life" as it has the largest need for space. Academic needs are being met through large comprehensive consolidation and renovation projects.

SCHOOL OF ENGINEERING

The Phase III report indicates that the School of Engineering will still have unmet space needs even after considering Davis Hall, and the Bell & Bonner renovations. This need is primarily driven by faculty growth and research space. Because there is a need to distribute improvements across departments, a new multi discipline research facility is being planned within the 2023 timeframe to accommodate the growing research needs of the School of Engineering.

LAYERS OF ENTRY

The planned entry sequence to North Campus begins with a wild perimeter that stands out from the surrounding suburban environment. This wild perimeter gradually feathers into a more manicured landscape and is accented by a celebrated traffic circle that includes a recognizable monument, sculpture, and lighting. Programmed functions in strategically placed buildings near Capen will activate the central portion of campus, but are beyond the 2013-2023 timeframe of this FMP.

- Flint Entry: Proposed as location for admissions in the Capen Hall renovations. Beyond 2023 Signature library with museum function planned.
- Coventry Entry: Site restoration to create a more consistently manicured landscape at Coventry Entry, and connect open space to the oval is

included within the 2023 timeframe. While Coventry is the primary entry for athletic events it has the shortest queuing distance. This FMP recommends that further studies take place to improve traffic circulation in this area during events.

- Hamilton Road: Wayfinding signage will be required to help alleviate current issues with getting to the first node of Hamilton Road entry. To achieve the envisioned iconic entry framed by landscape, significant renovation to the Capen Hall façade will be required to elevate the terminus of this axis. A new engineering building beyond 2023 may help define entry and add program to enliven this space.
- Highway Signage: This FMP recommends current discussions with DOT continue to attempt to improve campus signage on nearby highways.

WAYFINDING WITHIN CAMPUS

Due to continuing maintenance requirements and impending resurfacing, closure of the inner loop of Audubon Parkway and installation of traffic circles has been included within the 2023 timeframe. The I-990 and Flint loop traffic circles are priorities that must be completed by 2023. Traffic circles on Millersport are less of a priority and may creep beyond the 2023 timeframe. As the outer loop is resurfaced and traffic circles are completed, the inner loop should be reconstructed as a bike/recreation path.

The long awaited completion of an underground route East/West across campus will be achieved through the Center for Arts Spine (NC-PR28) project in 2018-2023. By completing this small segment of tunnel the entire campus can now be traversed along the East/West axis without being exposed to the weather.

Recent campuswide lighting improvements at both the pedestrian and vehicular scale will greatly improve wayfinding at night on campus.

STUDENT HOUSING

While the Phase III report indicates little to no growth in student population, private developers have already

acted on the predicted growth illustrated in UB2020. As a result, UB will soon have even more competition for housing. Reaching a critical mass of students on the North Campus is very important to UB's vision of an active campus in the future. On campus residences have the potential to provide the critical mass UB is looking for, if they are implemented with the correct mix of programs and in strategic locations around campus.

The only housing within this FMP is the mixed use facility slated to be located on Furnas lot site. This mixed program building is a strategic move to thicken the spine and start establishing a connection from the spine towards Lee Road. The project is slated to occur earlier within the 10 year timeframe as this facility will house decanted UB commons programs and make way for the creation of The Oval.

As future housing is needed due to Governors or other complexes reaching the end of their useful life, this FMP recommends that new housing be built along the West side of Lee Road. Concentrating populations along Lee Road will enliven the East side of campus and establish a very important connection between the academic spine and Ellicott complex. New housing along Lee Road and an enlivened lake front will also make public/private partnerships such as the Hotel and Conference Center more viable

UTILITIES

Utilities along Lee Road have already been upgraded, which further supports this FMP's recommendation to concentrate development there. UB has current plans to upgrade utilities that cross the Audubon Loop and may present opportunities to follow up with traffic circles and outer loop repaving. The new fieldhouse will require an extension of utilities, as will buildings beyond the 2023 timeline that "thicken the spine."

In general, North Campus has ample electrical capacity and sufficient water supply to support all new construction indicated within the 2023 timeframe. This FMP recommends that further studies be conducted

on the sanitary system as the Amherst plant on Sweet Home Road may be reaching its capacity. All new construction will need to conform to new storm water mitigation regulations.

CAMPUS LANDSCAPE

This FMP echoes the UB2020 in recommending that soil improvement of existing clay soil be concentrated in strategic locations. Planting in clusters, rather than formal linear arrangements, will protect trees from wind damage. Landscape projects should seek to minimize the need for snow removal, maximizing pedestrian safety, and overall landscape potential.

PEDESTRIAN AND BICYCLE IMPROVEMENT

Circulation on campus is currently impeded, particularly in winter, by incomplete sidewalks. This FMP places the completion of these pedestrian paths a priority. As the site restoration projects along Putnam Way occur, particular attention should be paid to the campus's comprehensive bicycle and pedestrian network. Traffic circles implemented along the Audubon Loop will reduce traffic speed and allow pedestrians and bicyclists opportunities to cross. At intersections where signals are present, pedestrian and bicycle activation buttons must be present. The completion connection of the Ellicott Complex bike path with the larger Amherst bike path is a fairly low cost project that has a high impact potential of connecting the campus to the community. As a result, this project should be completed in the near future. All future pathway considerations should seek to minimize snow removal maintenance.

SECURITY

UB has recently been active in adding blue light locations as part of a campus wide lighting improvement program in response to a risk assessment. Blue phone locations across campus include integrated speakers for emergency communications that are networked together and monitored in a central location.

FOOD SERVICE

UB is continually improving its eating environment. Currently, Ellicott's two cafeterias are being combined to form one market style eating venue. Food venues are moving towards cooking on site while the existing commissary is being used for food storage. As future food venues are planned, more local storage at the venues should be planned for.

Food venues currently located within the UB commons will be moved to the new mixed-use facility across the street to make way for a more comprehensive Health and Wellness Facility at The Oval. Dining associated with the Health and Wellness Facility should take advantage of lakeside views. The need for more formal dining may be met by the proposed University Club. As additional residences are added to Lee Road more dining facilities will be required.

Currently the South East portion of campus and the areas near the Bean Center are underserved in terms of food options. In general, the West end of the Academic Spine is in need of additional dining venues. These needs are projected to be met by the substantial learning landscape that is intended to thread through campus.

HELM STORAGE WAREHOUSE

The Helm Storage Warehouse does not currently have adequate space. UB has considered renovation of the commissary to storage in the future. This renovation is not included within the 10 year timeframe of this report, but should continue to be studied.

PARKING

Parking improvements scheduled within the 10 year period are minimal. While campus wide parking demands may not justify additional spaces for parking structures other issues such as densification of the core, and proximity to population concentrations may be used to justify parking. One example of this is the displacement of the Furnas Lot for the mixed use facility on Lee Road. Concentrated development along lee road may require a new parking structure.

SPEAKING VENUES / CONFERENCE FACILITIES

There currently is a need for a space to house a distinguished speaker with large audiences. The Hotel / Conference Center is planned to meet this need in the long-term.





PHASE V:

PHASE V APPENDIX C - CROSSWALK SUMMARY

This crosswalk summary rolls up individual units into the larger school or department. A detailed crosswalk including all existing UB space at the individual unit level has been provided digitally with this FMP.

UNIVERSITY AT BUFFALO FACILITIES MASTER PLAN 2013 - 2023	1		1	 		REA	IGNMENT BY CAR	MPUS		PROPOSE	D NORTH CAM	IPUS				1	PROPOSEI	D SOUTH CAI	MPUS					PROPOSED I	OOWNTOWN	CAMPUS		
INAL RECOMMENDATION PROGRAM RECONCILIATION SUMMARY	Consultan Guideline ASF 2023		nd Existing or	Change in Total (Proposed - Existing)	Totals	NORTH CAMPUS TOTAL	SOUTH CAMPUS TOTAL	DOWNTOWN CAMPUS TOTAL	pen Hall, HOTC, North and uth Entry Additions	ldhouse	rsity Tennis Complex	creation & Wellness Center	okstore and Living-Learning arter	Poad Garage	iversity Club	NORTH CAMPUS TOTAL NEW CONSTRUCTION		nsit Pavilion	yes-Crosby Connector/Arch	rker Hall Addition	ofessional Education nference Center	rk Hall Addition	SOUTH CAMPUS TOTAL NEW CONSTRUCTION	hool of Medicine Phase I	hool of Medicine Phase II	rth Street Parking Structure	DOWNTOWN CAMPUS TOTAL NEW CONSTRUCTION	TOTAL NEW CONSTRUCTIO (EXCLUDES RESIDENTIAL & PARKING STRUCTURES)
April 2011 NASF Less Existing ASF 0.00	0.00	0.00	0.00	0.00	0	64,157.00	105,324.00	95,471	0.00	i≗ 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	
DEPARTMENT / DISCIPLINE USE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
College of Arts and Sciences: Guidelin Fine & Performing Arts	0 e 23,937	0 -2,047	Proposed	0	25,984 25,984 506,476	0 0 229,344	0 0 23,894	0 0	0 0	0	0 0	0 0	0	0 0	0	0 0	0	0	0	0	0	0 0	0 0	0	0	0	0	0 0
Humanities Guidelin	e 294,149	-212,327	Proposed Existing	0	506,476 506,476 88,774	229,344 229,344 43,961	23,894	0 426	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0 0	0	0	0
Sciences Guidelin	e 73,549	-15,225	Proposed Existing	27,114	115,888 710,642	57,518 324,375	0 30,339	426 607	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Guidelin Social Sciences	e 579,928	-130,714	Proposed Existing	102,258	812,900 194,156	366,502 94,884	39,341 2,194	607	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Guidelin Graduate School of Education	e 161,243	-32,913		94	194,250 142,946	94,931	2,194 11,320	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Guidelin	e 96,312	-46,634	Proposed	49,678	192,624	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96,312	0	0	96,312	0	0	0	0	96,312
Law School Guidelin	e 53,776	-65,256	Proposed	0	119,032 119,032	52,720 52,720	3,146 2,565	3,650 4,231	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
School of Architecture and Planning Guidelin	e 111,681	-73,383	Existing Proposed	0	185,064 185,064	0	92,532 77,638	0	0	0	0	0	0	0	0	0	0	0	0 14,894	0	0	0	0 14,894	0	0	0	0	0 14,894
School of Engineering and Applied Sciences Guidelin	e 413,613	-68,981	Existing Proposed	0 80,548	482,594 563,142	240,799 281,073	0	498 498	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
School of Management Guidelin	e 76,538	-38,716	Existing Proposed	0 29,032	115,254 144,286	57,627 72,143	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
School of Social Work Guidelin	e 26,763	-4,679	Existing Proposed	0 22,084	31,442 53,526	7,338 0	8,383 12,546	0	0	0	0	0	0	0	0	0	0	0	0	0 14,217	0	0	0 14,217	0	0	0	0	0 14,217
School of Dental Medicine Guidelin	e 140,914		Existing Proposed	0 79,226	229,962 309,188	95 95	113,850 153,463	1,036 1,036	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
School of Medicine and Biomedical Sciences	е 0	-770,824	Existing	0 20.497	770,824 791,321	9,740 9,539	362,925 19,081	12,747 87.917	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 314,831	0 243,416	0	0 558,247	0 558,247
School of Nursing	e 42,563	-21,143	Existing	0	63,706 63,706	0	31,853 31,853	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
School of Pharmacy and Pharmaceutical Sciences			Existing	0	139,188	61,033	0	8,561	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
School of Public Health and Health Professions	e 111,273		Proposed Existing	29,918 0	169,106 218,488	2,511	75,992 104,516	8,561 2,217	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Provost and Executive Vice President for Academic Affairs	e 118,450		Proposed Existing	52,572 0	271,060 194,584	2,511 20,358	130,802 7,686	2,217 69,248	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vice President for Research	e 114,248	-80,336	Proposed Existing	830	195,414 169,592	19,608 19,631	8,851 46,600	69,248 18,565	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Guidelin University Libraries	e 84,981	-84,611	Proposed Existing	-36,452 0	133,140 758,624	19,631 319,986	12,908 59,326	18,565 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8,249 0	22,683 0	0	30,932 0	30,932 0
Guidelin Office of the Chief Information Officer	e 430,218	-328,406	Proposed Existing	6,220	764,844 228,024	319,986 92,713	59,326 11,709	0 9,590	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,220	0	0	6,220 0	6,220 0
Guidelin Academic Planning & Budget	e 114,274	-113,750	Proposed Existing	4,456 0	232,480 345,708	84,773 133,386	11,709 38,603	9,590 865	0	0	0	0	10,168	0	0	10,168 0	0	0	0	0	0	0	0	0	0	0	0	10,168 0
Guidelin Academic Planning & Budget	e 5,550	-340,158	Proposed	89,802 0	435,510 781	134,886	39,004	865	0	0	0	0	0	0	0	0	0	0	0	5,000	38,000	0	43,000	0	0	0	0	43,000 0
Capital Planning Group	1,105	324	Proposed Existing	0	781 2,208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Centrally Scheduled Classroom Space	2,215	7	Proposed	0	2,208 167.604	0 129,001	0 38,603	0	0	0	0	0	0	0	0	0 129,001	0	0	0	0	0	0	0 38.603	0	0	0	0	0
Note: Classroom needs are developed on a department by department basis, and then pooled as a central resource. See page 18 of Phase III document. For this reason, the Centrally Scheduled Space department does not have a 2023 ASF Guidline. For classroom needs by department please see Appendix H of the Phase III report.	Not Applicable	#VALUE!	Proposed	44,901	212,505	130,501	39,004	0	0	0	0	0	0	0	0	130,501	0	0	0	5,000	38,000	0	82,004	0	0	0	0	0
Institutional Analysis	785	-503	Existing Proposed	0	1,288 1,288	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Resource Planning & Information Management	1,445	472	Existing Proposed	0	973 973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Division of Continuing and Professional Studies Guidelin	e 42,624	-49,798	Existing Proposed	0 -1,377	92,422 91,045	0	2,131 0	44,080 44,080	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 2,885	0	0	0 2,885	0 2,885
Vice Provost for Undergraduate Education Guidelin	e 44,880	-41,432	Existing Proposed	0 -654	86,312 85,658	42,224 42,224	932 605	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Office of the President Guidelin	e 519,749		Existing	0 684,800	614,534 1,299,334	261,747 261,747	45,520 45,520	0	0	0 170,000	0 6,400	0	0	0	0	0 311,400	0	0	0	0	0	0 31,000	0 31,000	0	0	0	0	0 342,400
Senior Vice President and Chief Operations Officer	e 56,478		Existing	0 3,022	99,128 102,150	37,999 39,563	11,565 11,512	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0 0
Vice President for Development and Alumni Relations	e 56,478 e 24,160	-42,650 -5,386	Existing	0 0	29,546	14,773	0 0	0	0	0	0 0	0 0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0 0
Vice President for External Affairs			Proposed Existing	0	29,546 45,068	14,773 7,337	14,474	723	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vice President for University Life and Services	e 26,318		Existing	0	45,068 636,140	7,337 267,476	14,474 50,594	723 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Guidelin University Facilities	e 427,997		Existing	40,114 0	676,254 521,936	285,779 156,594	34,326 101,517	3,022 2,857	0	0	0	7,000	2,500	0	0	9,500	0	3,000	0	0	2,500	0	5,500 0	0	0	0	0	15,000 0
Guidelin Non UB Owned Space	e 40,905	-481,031	Proposed Existing	-28,836 0	493,100 54,146	156,594 4,448	83,947 18,723	6,009 3,902	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Guidelin Space Below Total	e 0	-54,146	Proposed Existing	-1,818 0	52,328 1,684,186	4,448 376,759	17,814 314,627	3,902 150,707	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Guidelin	e 0	-1,684,186		221,274	1,905,460	373,035	229,988	150,707	0	0	0	0	154,000	0	0	154,000	0	0	0	0	45,000	0	45,000	0	0	0	0	199,000
Building Totals: Existing ASF Building Totals: Proposed ASF Change in ASF (Proposed - Existing) NASF from Facility Sq Ft Report_April 2011			Proposed N	lon Residential ASF lon Residential ASF Change in ASF	7,515,871 8,344,892 829,021	2,940,011 2,930,760 -9,251	1,508,959 1,139,353 -369,606	330,279 412,204 81,925	0 10,000	0 170,000	6,400	0 142,000	0 166,668	•	0 44,000	331,068 331,068	0	3,000	0 14,894		0 85,500	0 31,000	204,923 204,923		0 266,099	0	598,284 598,284	1,134,275 1,134,275
				otal NSF Demolition otal GSF Demolition	457,610 711,117 Tota	Total GSF	New Construction New Construction t Less Demolition	2,010,379	1.00 10,000 0			1.40 198,800 0	1.50 250,002 0	-	0.00 44,000 0	732,122	1.00 0 0	1.25 3,750 0	1.25 18,618 0		1.40 119,700 0	1.30 40,300 0	321,002	1.60 531,497 0	1.60 425,758 0	0.00	957,255	2,010,379