

Niskayuna Central School District

Capital Project Needs



29 November 2004



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Niskayuna Central School District

Capital Project Needs

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S U M M A R Y

Birchwood Elementary School

Infrastructure - General Construction	\$1,231,500
Infrastructure - Plumbing, HVAC, Electrical & Technology	\$830,000
Additions	\$2,625,000
Reconstruction	\$1,240,000
Birchwood – TOTAL	\$5,926,500

Craig Elementary School

Infrastructure - General Construction	\$1,983,000
Infrastructure - Plumbing, HVAC, Electrical & Technology	\$1,122,000
Additions	\$3,017,000
Reconstruction	\$1,532,000
Craig – TOTAL	\$7,654,000

Glenclyff Elementary School

Infrastructure - General Construction	\$1,737,500
Infrastructure - Plumbing, HVAC, Electrical & Technology	\$1,153,000
Additions	\$3,374,000
Reconstruction	\$1,320,000
Glenclyff – TOTAL	\$7,584,500

Hillside Elementary School

Infrastructure - General Construction	\$1,266,000
Infrastructure - Plumbing, HVAC, Electrical & Technology	\$807,000
Additions	\$3,150,000
Reconstruction	\$1,495,000
Hillside – TOTAL	\$6,718,000

Rosendale Elementary School

Infrastructure - General Construction	\$1,343,000
Infrastructure - Plumbing, HVAC, Electrical & Technology	\$973,000
Additions	\$2,754,000
Reconstruction	\$1,457,000
Rosendale – TOTAL	\$6,527,000

Iroquois Middle School

Infrastructure - General Construction	\$2,924,000
Infrastructure - Plumbing, HVAC, Electrical & Technology Additions	\$1,670,000
Additions	\$3,648,000
Reconstruction	\$1,432,000



Iroquois – TOTAL \$9,674,000

Van Antwerp Middle School

Infrastructure - General Construction	\$1,836,000
Infrastructure - Plumbing, HVAC, Electrical & Technology	\$6,082,000
Additions	\$475,000
Reconstruction	\$1,122,000

Van Antwerp – TOTAL \$9,515,000

Niskayuna High School

Infrastructure - General Construction	\$6,955,000
Infrastructure- Plumbing, HVAC, Electrical & Technology	\$11,025,000
Additions	\$27,400,000
Reconstruction	\$16,948,000

High School – TOTAL \$62,328,000

ALL BUILDINGS – GRAND TOTAL \$115,927,000

GENERAL NOTES:

- Estimates are based on design schemes dated 29 Nov 2004.
- Incidental expenses (approximately 20% of construction cost) are included in all figures, so the numbers shown herein are not actual construction amounts.
- Estimates are based on legally- mandated prevailing wage rate schedules.
- All costs are 2005 construction costs. 4% inflation should be added annually for every year beyond 2005.
- School construction estimated is heavy-duty, commercial grade construction – all steel and concrete construction, no wood, low maintenance materials.
- Furniture and casework costs are included, but computer hardware is not.



Birchwood Elementary School

Infrastructure – General Construction

Priority I

1.	Roof Replacement (replaced in 1994)	\$500,000
2.	Replace all exterior windows and doors <ul style="list-style-type: none"> • Provide screens and blinds on all exterior windows & doors • Assume caulking is ACBM 	\$178,000
3.	Add exterior doors in classrooms that don't have them (4)	\$8,000
4.	Shades or blinds at all interior glass (for lockdown).	\$32,000
5.	New casework, cubbies and shelving in older classrooms (8)	\$48,000
6.	New interior doors and hardware	\$127,000
7.	Replace (7) classroom carpeting with vinyl composition tile <ul style="list-style-type: none"> • Assume tile ACBM 	\$82,000
8.	Accessible main entrance doors, automatic push button controls	\$20,000
9.	Stage accessibility	\$25,000
10.	Parking: <ul style="list-style-type: none"> • Separate flow of cars and buses • Storm water drainage 	\$105,000
11.	Soundproof Music room	\$12,000
12.	Remove ACBM pipe insulation in crawl space & boiler room, re-insulate	\$14,500
13.	Re-grout all ceramic tile in classroom bathrooms, replace tile as needed	\$50,000
14.	Refinish stage floor	\$5,000
15.	Add glass between PE office and gym	\$5,000
16.	Upgrade playground	P.T.O.

Priority II

1.	Additional exit door in guidance or principal's office	\$5,000
0334.1	Birchwood Elementary School	Page



2. Insulate select walls \$15,000

SUB TOTAL \$1,231,500

Infrastructure – Plumbing, HVAC, Electrical & Technology

Priority I

- 1. HVAC/ temperature controls \$200,000
 - 8 new UV's
 - new DDC temperature controls on all units
- 2. Exhaust crawl space \$2,000
- 3. A/C Computer Room, Media Center, Main Office \$58,000
- 4. A/C kitchen \$50,000
- 5. Update plumbing fixtures: toilets in older classrooms, art rooms, nurse \$136,000
- 6. Drain area outside boiler room \$5,000
- 7. Replace water fountains throughout building \$8,000
- 8. Exterior lighting around parking lots \$55,000
- 9. Building- wide wireless technology \$35,000
- 10. Presentation stations in each classroom \$168,000
- 11. Telephone/Intercom system each classroom \$105,000
- 12. Add hand-washing sink in Cafeteria \$8,000

SUB TOTAL \$830,000

Additions

Priority I

- 1. Additional classrooms to accommodate full-day kindergarten (1) \$395,000
- 2. Additional classrooms to accommodate rising enrollment (2) \$600,000



3.	Additional classrooms displaced by creation of small spaces (4)	\$1,200,000
4.	Additional classroom for BOCES (1)	\$300,000
5.	Additional adult handicapped - accessible rest rooms	\$130,000

SUB TOTAL
\$2,625,000

Reconstruction

Priority I

1.	Create full size Computer Lab	\$165,000
2.	Reconstruction of existing Library	\$455,000
3.	Reconstruction of Nurses' suite, incl. accessible toilet	\$60,000
4.	Reconstruction to create smaller spaces: <ul style="list-style-type: none"> • (2) Remedial Reading • (2) Conference rooms • (2) Instrumental Music practice rooms & storage • OT & PT • Counseling & Speech 	\$500,000
5.	Additional unisex handicapped - accessible toilets, custodial space.	\$60,000

Questions

- Why are two conference rooms needed? Is one adequate?
- Are there more efficient designs that might result in less needed expansion? Media Centers (all 5 elementary schools): Need data on projected use, volumes, circulation, etc.

SUB TOTAL \$
\$1,240,000

Birchwood Elementary School –S U M M A R Y

Infrastructure – General Construction Sub total **\$1,231,500**

Infrastructure – Plumbing, HVAC, Electrical & Technology Sub total **\$830,000**



Additions Sub total	\$2,625,000
Reconstruction Sub total	\$1,240,000
Birchwood Elementary School -T O T A L	\$5,926,500



Craig Elementary School

Infrastructure – General Construction

Priority I

1.	Roof Replacement (replaced in 1994)	\$569,000
2.	Replace all exterior windows and doors (1980's) <ul style="list-style-type: none"> • Provide screens and blinds on all exterior windows & doors 	\$398,000
3.	Shades or blinds at all interior glass (for lockdown).	\$25,000
4.	New casework, cubbies and shelving in all classrooms	\$132,000
5.	New interior doors and hardware	\$100,000
6.	Replace all classroom carpeting, old VAT with vinyl composition tile	\$184,000
7.	Replace remaining hallway VAT with vinyl composition tile	\$35,000
8.	Accessible exterior doors, automatic push button controls	\$26,000
9.	Stage accessibility	\$25,000
10.	Parking: <ul style="list-style-type: none"> • Expand to include accessible spaces, visitor, staff (20 spaces) • Separate flow of cars and buses • Storm water drainage • Repave upper and lower parking lots • Extend sidewalk in upper parking area. 	\$395,000
11.	Re-grout all classroom bathrooms, replace ceramic tile as needed	\$50,000
12.	New table and bench tops in cafeteria	\$14,000
13.	Refinish stage floor	\$5,000
14.	Add glass between PE office and gym	\$5,000

Priority II

1.	Add exterior doors in classrooms that don't have them (4)	\$20,000
2.	Upgrade playground	P.T.O.



SUB TOTAL **\$1,983,000**

Infrastructure – Plumbing, HVAC, Electrical & Technology

Priority I

1.	HVAC/ temperature controls	\$313,000
	<ul style="list-style-type: none"> • 20 New UV with ventilation • new DDC temperature controls on all units 	
2.	A/C Computer Room, Media Center, Main Office	\$75,000
3.	A/C kitchen	\$50,000
4.	Plumbing update: toilets in older classrooms, art rooms, nurse, etc	\$175,000
5.	Refurbish faculty/public toilets	\$15,000
6.	Replace water fountains throughout building, add in Cafeteria	\$8,000
7.	Install PA in resource room, OT/PT Room and special education	\$5,000
8.	Replace and increase lighting in gym	\$8,000
9.	Exterior lighting around parking lots	\$45,000
10.	Telephone/Intercom system each classroom	\$144,000
11.	Presentation stations in each classroom	\$227,000
12.	Building- wide wireless technology	\$49,000
13.	Add hand-washing sink in Cafeteria	\$8,000

SUB TOTAL **\$1,122,000**

Additions

Priority I

1.	Additional classrooms to accommodate rising enrollment (2)	\$670,000
2.	Additional classrooms displaced by creation of small spaces (5)	\$1,675,000
3.	Additional classroom for BOCES (1)	\$335,000



4. Library expansion \$337,000

SUB TOTAL

\$3,017,000

Reconstruction

Priority I

1. Reconstruction to create smaller spaces: \$502,000

- (2) Remedial Reading
- (2) Special Ed.
- (2) Conference rooms
- OT & PT
- Speech
- Counseling
- E.S.L
- P.M.H.P.

2. Reconstruction to create smaller spaces: \$82,000

- (2) Instrumental Music practice and storage rooms

3. Create full size Computer Lab \$180,000

4. Reconstruction of existing Library \$270,000

5. Reconstruction of Nurses' suite, incl. accessible toilet \$75,000

6. Reconstruction for additional adult handicapped - accessible rest rooms, \$151,000
additional unisex handicapped - accessible toilets, custodial space.

7. Restore original Kindergarten rooms \$247,000

8. Face lift Cafeteria \$25,000

SUB TOTAL

\$1,532,000

Craig Elementary School –S U M M A R Y

Infrastructure – General Construction Sub total

\$1,983,000

Infrastructure – Plumbing, HVAC, Electrical & Technology Sub total

\$1,122,000

Additions Sub total

\$3,017,000



Reconstruction Sub total **\$1,532,000**

Craig Elementary School - T O T A L **\$7,654,000**



Glenclyff Elementary School

Infrastructure – General Construction

Priority I

1.	Roof Replacement (roof replaced in 1994)	\$463,000
2.	Replace all exterior windows and doors <ul style="list-style-type: none"> • Provide screens and blinds on all exterior windows & doors 	\$384,000
3.	Add exterior doors in classrooms that don't have them	\$20,000
4.	Shades or blinds at all interior glass (for lockdown).	\$28,000
5.	New casework, cubbies and shelving in older classrooms <ul style="list-style-type: none"> • Add shelving and cubbies in rooms 2, 3, 4, 5, 6, 7, 15, 16, 17, 18 • Assume no ACBM work 	\$65,000
6.	New interior doors and hardware	\$114,000
7.	Accessible exterior doors, automatic push button controls	\$22,000
8.	Stage accessibility <ul style="list-style-type: none"> • Portable lift 	\$25,000
9.	Parking: <ul style="list-style-type: none"> • Expand to include accessible spaces, visitor, staff (20 spaces) • Separate flow of cars and buses • Storm water drainage • Repave existing bus loop and road • Overlay existing parking lot • Sidewalk replacement 	\$323,000
10.	Insulate selected walls	\$15,000
11.	Remove ACBM pipe insulation in crawl space & boiler room, re-insulate	\$14,500
12.	Re-grout all ceramic tile in classroom bathrooms, replace tile as needed	\$50,000
13.	Refinish stage floor	\$5,000
14.	New ceilings in rooms 2, 3, 4, 7	\$36,000
15.	Add glass between PE office and gym	\$5,000



- | | | |
|-----|---|-----------|
| 16. | Replace all classroom carpeting, original VAT with vinyl composition tile | \$168,000 |
| 17. | Upgrade playground | P.T.O. |

SUB TOTAL	\$1,737,500
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Infrastructure – Plumbing, HVAC, Electrical & Technology

Priority I

- | | | |
|----|---|-----------|
| 1. | HVAC / temperature controls: | \$178,000 |
| | <ul style="list-style-type: none"> • 8 new UV's • new DDC temperature controls on all units | |
| 2. | A/C Computer Room, Media Center, Main Office | \$60,000 |
| 3. | A/C kitchen | \$50,000 |
| 4. | Plumbing update: toilets in older classrooms, art rooms, nurse, etc | \$91,000 |
| 5. | Exterior lighting around parking lots | \$60,000 |
| 6. | Building- wide wireless technology | \$33,000 |
| 7. | Presentation stations in each classroom | \$146,000 |
| 8. | Telephone/intercom each classroom | \$105,000 |
| 9. | Add hand-washing sink in Cafeteria | \$8,000 |

Questions

- | | | |
|----|---|-----------|
| 1. | Sanitary sewer | \$422,000 |
| | <ul style="list-style-type: none"> • Includes \$75,000 Town impact fee • Forced main, abandon leach field | |

SUB TOTAL	\$1,153,000
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Additions

- | | | |
|----|--|-------------|
| 1. | Additional classroom (1) to accommodate full-day kindergarten and enrollment (3) | \$1,274,000 |
|----|--|-------------|



2.	Additional classrooms displaced by creation of small spaces (4) and Library Expansion (1). 2 small spaces	\$1,750,000
3.	Additional classroom for BOCES (1)	\$350,000
SUB TOTAL		\$3,374,000

Reconstruction

Priority I

1.	Reconstruction to create smaller spaces:	\$605,000
	<ul style="list-style-type: none"> • (2) Remedial Reading • (2) Special Ed. • (2) Conference rooms • (2) Instrumental Music practice & storage rooms • OT & PT • Reconstruction for additional adult handicapped - accessible rest rooms 	
2.	Reconstruction of Nurses' suite, incl. accessible toilet	\$75,000
3.	Reconstruction for additional unisex handicapped - accessible toilets, custodial space.	\$75,000
4.	Create full size Computer Lab	\$160,000
5.	Reconstruction of existing Library	\$405,000
SUB TOTAL		\$1,320,000

Glenclyff Elementary School –S U M M A R Y

Infrastructure – General Construction Sub total	\$1,737,500
Infrastructure – Plumbing, HVAC, Electrical & Technology Sub total	\$1,153,000
Additions Sub total	\$3,374,000
Reconstruction Sub total	\$1,320,000

Glenclyff Elementary School –T O T A L \$7,584,500





Hillside Elementary School

Infrastructure – General Construction

Priority I

1.	Roof Replacement (roof replaced in 1994)	\$363,000
2.	Replace all exterior windows and doors (replaced in 1994) <ul style="list-style-type: none"> • Provide screens and blinds on all exterior windows & doors 	\$225,000
3.	Shades or blinds at all interior glass (for lockdown).	\$30,000
4.	New casework, cubbies and shelving in older classrooms (10)	\$72,000
5.	New interior doors and hardware	\$120,000
6.	Replace all classroom carpeting with vinyl composition tile <ul style="list-style-type: none"> • Assume no ACBM 	\$53,000
7.	Accessible exterior doors (ramps), automatic push button controls	\$26,000
8.	Stage accessibility: portable lift	\$25,000
9.	Parking: Separate flow of cars and buses	\$126,000
10.	Replace ceiling and lighting (5 clrms, all corridors)	\$100,000
11.	Repoint brickwork at chimney	\$25,000
12.	Remove ACBM pipe insulation in crawl space & boiler room, reinsulate	\$9,000
13.	Re-grout all ceramic tile in classroom bathrooms, replace tile as needed	\$50,000
14.	Refinish stage floor	\$5,000
15.	Add glass between PE office and gym	\$5,000

Priority II

1.	Add windows in gym	\$12,000
2.	Soundproof Music room	\$20,000
3.	Upgrade playground	P.T.O.

SUB TOTAL **\$1,266,000**



Infrastructure – Plumbing, HVAC, Electrical & Technology

Priority I

1.	HVAC/ temperature controls <ul style="list-style-type: none"> • 16 new UV • new DDC temperature controls on all units 	\$260,000
2.	A/C Computer Room, Media Center, Main Office	\$60,000
3.	A/C kitchen	\$50,000
4.	Plumbing update: toilets in older classrooms, art rooms, nurse, etc	\$8,000
5.	Exterior lighting around parking lots	\$46,000
6.	Update exit lights	\$3,000
7.	Building wireless technology	\$49,000
8.	Presentation stations in each classroom	\$218,000
9.	Telephone/intercom each classroom	\$105,000
10.	Add hand-washing sink in Cafeteria	\$8,000

SUB TOTAL	\$807,000
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Additions

Priority I

1.	Additional classroom to accommodate full-day kindergarten (1,) additional adult handicapped – accessible restrooms, additional classrooms displaced by creation of small spaces (3), elevator & stair addition.	\$1,575,000
2.	Additional classroom to accommodate rising enrollment (1), additional classroom for BOCES (1), additional classroom displaced by creation of small spaces (1), additional classroom displaced by enlarging Library (1), elevator & stair addition.	\$1,575,000

SUB TOTAL
\$3,150,000



Reconstruction

Priority I

1.	Reconstruction to create smaller spaces:	\$740,000
	<ul style="list-style-type: none"> • (2) Remedial Reading • (2) Special Ed. • Speech • (2) Music Practice Rooms • Work/Copy • (2) Conference rooms • (2) Instrumental Music practice rooms • OT & PT 	
2.	Create full size Computer Lab	\$165,000
3.	Reconstruction of existing Library	\$405,000
4.	Reconstruction of Nurses' suite, incl. accessible toilet	\$50,000
5.	Replace casework in faculty room, modify for access to copy/work room	\$45,000
6.	Reconstruct downstairs toilets to unisex handicap-accessible toilets (2)	\$50,000
7.	Convert classroom to Art room	\$40,000

SUB TOTAL
\$1,495,000

Hillside Elementary School –S U M M A R Y

Infrastructure – General Construction Sub total	\$1,266,000
Infrastructure – Plumbing, HVAC, Electrical & Technology Sub total	\$807,000
Additions Sub total	\$3,150,000
Reconstruction Sub total	\$1,495,000



Hillside Elementary School –T O T A L **\$6,718,000**



Rosendale Elementary School

Infrastructure – General Construction

Priority I

1.	Roof Replacement (replaced in 1994)	\$553,000
2.	Shades or blinds at all interior glass (for lockdown)	\$29,000
3.	New casework, cubbies and shelving in older classrooms (11)	\$66,000
4.	New interior doors and hardware	\$118,000
5.	Replace all classroom carpeting with vinyl composition tile <ul style="list-style-type: none"> • Assume no ACBM • B. Rossi to verify scope 	\$75,000
6.	Accessible main entrance door, automatic push button controls	\$22,000
7.	Stage accessibility <ul style="list-style-type: none"> • Portable lift 	\$25,000
8.	Parking: <ul style="list-style-type: none"> • Separate flow of cars and buses • Expand to include accessible spaces, visitor, staff (20 spaces) • Connect Iroquois and Rosendale parking lots with additional lights, complete walkway 	\$290,000
9.	New student desks	\$90,000
10.	Remove ACBM pipe insulation in crawl space & boiler room, reinsulate	\$15,000
11.	Re-grout all ceramic tile in classroom bathrooms, replace tile as needed	\$50,000
12.	Refinish stage floor	\$5,000
13.	Add glass between PE office and gym	\$5,000
14.	Upgrade playground	P.T.O.
SUB TOTAL		\$1,343,000



Infrastructure – Plumbing, HVAC, Electrical & Technology

Priority I

1.	HVAC/ temperature controls	\$190,000
	• 10 new UV'	
	• new DDC temperature controls on all units	
2.	A/C kitchen	\$50,000
3.	Plumbing update: toilets in older classrooms, art rooms, nurse, etc	\$104,000
4.	Exterior lighting around parking lots	\$55,000
5.	Fire Alarm system upgrades	\$40,000
6.	Extend water main, add fire hydrant at NW corner of Iroquois MS	\$104,000
7.	Building- wide wireless technology	\$35,000
8.	Presentation stations in each classroom	\$211,000
9.	Telephone/Intercom system each classroom	\$143,000
10.	Add hand-washing sink in Cafeteria	\$8,000

Priority II

1.	Air condition Rooms 23 & 25 (CSE rooms)	\$33,000
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SUB TOTAL		\$973,000
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Additions

1.	Additional classrooms to accommodate (1) full-day kindergarten	\$330,000
2.	Additional classrooms to accommodate rising enrollment (2)	\$606,000
3.	Additional classrooms displaced by creating small spaces & computer rm (4)	\$1,212,000
4.	Additional classroom for BOCES (1)	\$303,000
5.	Additional classroom displaced by misc. reconstruction (1)	\$303,000
6.	Additional adult handicapped - accessible restrooms (2)	incl. in above



SUB TOTAL
\$2,754,000

Reconstruction

Priority I

1.	Reconstruction to create smaller spaces:	\$615,000
	<ul style="list-style-type: none"> • (2) Remedial Reading • (2) Conference rooms • (2) Instrumental Music practice & storage rooms • OT & PT • Speech • Psychologist • Counseling 	
2.	Create full size Computer Lab	\$165,000
3.	Reconstruction of existing Library	\$405,000
4.	Reconstruction of Nurses' suite, incl. accessible toilet	\$75,000
5.	Reconstruct toilets to unisex handicap-accessible toilets (2), custodial	\$50,000

Priority II

1.	Install closet for resource room	\$5,000
2.	Renovate art room	\$112,000
3.	Misc. renovations:	30,000
	<ul style="list-style-type: none"> • Renovate faculty room; new appliances 	

SUB TOTAL **\$1,457,000**

Rosendale Elementary School –S U M M A R Y

Infrastructure – General Construction Sub total **\$1,343,000**

Infrastructure – Plumbing, HVAC, Electrical & Technology Sub total **\$973,000**

Additions Sub total **\$2,754,000**

Reconstruction Sub total **\$1,457,000**

Rosendale Elementary School –T O T A L **\$6,527,000**





Iroquois Middle School

Infrastructure – General Construction

Priority I

1.	850 new hall lockers, remove lockers in narrow corridors	\$255,000
2.	Replace exterior curtain wall and windows including new blinds, screens.	\$315,000
3.	Replace exterior doors	\$140,000
4.	Replace interior doors and ADA compliant hardware	\$216,000
5.	Reconstruct bathrooms; repair plumbing, tile walls	\$200,000
6.	Replace classroom and hallway ceilings and lighting	\$640,000
7.	Enclose stairways to meet code	\$16,000
8.	Repair or replace exterior fascia	\$190,000
9.	Add concrete flooring to basement/ custodial space	\$20,000
10.	Upgrade gym with bleachers and electronic scoreboard	\$190,000
11.	Improve drainage around building	\$18,000
12.	Replace sidewalks	\$80,000
13.	Shades or blinds at all interior glass (for lockdown)	\$54,000

Priority II

1.	Install built-in locks for locker rooms	\$40,000
2.	Reconstruction of athletic fields	\$550,000

SUB TOTAL		\$2,924,000
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Infrastructure – Plumbing, HVAC, Electrical & Technology

Priority I

1.	Upgrade selected plumbing piping	\$50,000
2.	Air Condition Media Center	\$75,000
3.	Add electrical outlets and technology connections in classrooms	\$785,000
4.	Replace telephone system	\$205,000
5.	Replace public address/ intercom system	\$160,000
6.	Add TV monitors with VCR, DVD players in each classroom	\$285,000
7.	Provide wireless hubs through building	\$110,000

SUB TOTAL \$1,670,000

Additions

Priority I

1.	Construct vestibule and canopy at main entrance	\$335,000
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Priority II

1.	Create Large Group Instructional Space (existing stage)	\$438,000
2.	Auditorium	\$2,875,000
	• Equity between Middle Schools would need to be addressed	
3.	Rehearsal rooms for Music groups	to be discussed
	• Should Rehearsal rooms for Middle School students be added here instead of at HS if there is an auditorium?	

SUB TOTAL \$3,648,000

Reconstruction

Priority I



1.	Improve faculty workspace	\$310,000
1.	Reconstruct Weight Room	\$150,000
2.	Improve storage facilities	\$300,000
3.	Media Center Reconstruction	\$672,000
4.	Media Center Addition	to be discussed

SUB TOTAL
\$1,432,000

Iroquois Middle School –S U M M A R Y

Infrastructure – General Construction Sub total	\$2,694,000
Infrastructure – Plumbing, HVAC, Electrical & Technology Sub total	\$1,670,000
Additions Sub total	\$3,648,000
Reconstruction Sub total	\$1,432,000

Iroquois Middle School –T O T A L **\$9,674,000**



Van Antwerp Middle School

Infrastructure – General Construction:

Priority I

1.	Replace roof	\$600,000
2.	Replace carpeting in Media Center	\$25,000
3.	Replace all carpeting in classrooms with VCT <ul style="list-style-type: none"> • Continue as in-house work? 	\$30,000
4.	Install window blinds in technology rooms	\$5,000
5.	Provide acoustic control in computer room	\$20,000
6.	Replace doors from locker rooms to fields	\$20,000
7.	Soundproof music practice rooms	\$15,000
8.	Reconstruct custodial office & storage area floor	\$25,000
9.	Refurbish parapet walls	\$125,000
10.	Construct new exterior ramp	\$75,000
11.	Re- point all existing exterior masonry	\$355,000
12.	Shades or blinds at all interior glass (for lockdown)	\$30,000

Priority II

1.	Replace all carpeting in offices	\$5,000
2.	Replace carpeting in main office; enlarge outer office	\$6,000
3.	Provide new balances at all windows	\$75,000
4.	Repave all parking areas	\$265,000
5.	Construct ramp within building to provide accessibility inside between 1st and 2nd floors	\$160,000



SUB TOTAL **\$1,836,000**

Infrastructure – Plumbing, HVAC, Electrical & Technology

Priority I

1.	Replace classrooms sinks, faucets and drains	\$280,000
2.	Replace all galvanized water supply piping	\$350,000
3.	Upgrade HVAC systems - full conversion to water (no AC)	\$3,360,000
4.	Refurbish AC system in Media Center	\$180,000
5.	PA system upgrade	\$30,000
6.	Install telephones in all classrooms	\$220,000
7.	Upgrade electrical outlets and technology connections	\$764,000
8.	Add electrical & data drops to Media Center	\$163,000
9.	Upgrade electrical in technology rooms	\$331,000
10.	Add TV monitors with VCR, DVD players in each classroom	\$272,000
11.	Provide wireless hubs through building	\$132,000

SUB TOTAL **\$6,082,000**

Additions

Priority I

1.	Construct elevator addition	\$475,000
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SUB TOTAL **\$475,000**

Reconstruction

Priority I

1.	Construct TV Studio (but do not take SF away from Library)	\$122,000
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2.	Renovate auditorium with new carpeting, seating, stage lights; remove dividing wall	\$225,000
3.	Renovate 8th-grade science rooms	\$400,000
4.	Provide concrete floor in basement space for Storage	\$40,000

Priority II

1.	Construct Digital Photo Lab	\$225,000
	• Consider a second full computer lab instead	
2.	Expand Counseling office	\$40,000
3.	Create picnic area	\$20,000
4.	Provide Conference room	\$50,000

Questions

- Relocate Music practice rooms to basement, relocate STEP to HS, expand counseling offices into existing practice rooms.

SUB TOTAL	\$1,122,000
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Van Antwerp Middle School –S U M M A R Y

Infrastructure – General Construction Sub total	\$1,836,000
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Infrastructure – Plumbing, HVAC, Electrical & Technology Sub total	\$6,082,000
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Additions Sub total	\$475,000
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Reconstruction Sub total	\$1,122,000
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Van Antwerp Middle School –T O T A L \$9,515,000



Niskayuna High School

Infrastructure – General Construction:

Priority I

1.	Replace roof	\$2,340,000
2.	Replace exterior curtain wall and all windows including new blinds, screens.	\$800,000
3.	Replace exterior fascia panels	\$50,000
4.	Replace all exterior doors & hardware	\$530,000
5.	Replace interior doors, including new hardware	\$270,000
6.	Replace lockers (corridor) with 12" wide lockers (1800)	\$414,000
7.	Reconstruct all toilets, ADA compliance, new finishes. (GC cost only)	
	\$320,000	
8.	Interior signage, new throughout building	\$120,000
9.	Ceiling replacement	\$386,000
10.	Shades or blinds at all interior glass (for lockdown)	\$150,000
11.	Site Work:	
	<ul style="list-style-type: none"> • Reconfigure front & side parking lots, bus loop, & circulation to separate buses, student parking, faculty parking, and drop-off. 	\$1,500,000

Priority II

1.	Provide pull down dark covering over door windows	\$45,000
2.	Replace/provide walk-off mats at exterior doors (not recessed mats)	
	\$30,000	

Questions



1. Cosmetic improvements- painting, floor finishes, bulletin boards, etc?
to be discussed

SUB TOTAL:	\$6,955,000
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Infrastructure –Plumbing, HVAC, Electrical & Technology

Priority I

1. Replace plumbing fixtures ('55 and '65), provide handicap accessible fixtures and hands-free operation. \$496,000
2. Loop water main around building with 6" water main, including second tie-in to town main, install 2 new hydrants on east side of building. \$204,000
3. Replace old galvanized HW and CW piping in '55, '60, '65 additions. \$337,000
4. Abatement of piping insulation and fittings \$288,000
5. Replace corroded drain piping serving locker room areas. \$12,000
6. Temperature controls system. \$900,000
 - New digital control system, controls in 2003 additions will be reused and connected to new system.
7. Boiler Replacement ('55 Boiler room): \$288,000
 - Remove 2 cast iron boilers, replace with 3 new flex tube boilers with power flame burners. Third boiler is for additions near Auditorium.
8. Boiler Replacement ('65 Boiler room): \$288,000
 - remove 3 Scotch Marine Ray boilers, replace with 3 new flex tube boilers with power flame burners. No extra capacity in this boiler room.
9. Replace (90) unit ventilators, increase outside air through each unit. \$1,860,000
10. Provide new relief air system as required by code. \$300,000
11. Air Condition Auditorium: 40 ton unit and associated ductwork. \$420,000*
12. Air Condition Library - existing library plus an addition. \$540,000*



13.	Air Condition Offices - approximately 5,000 sf of office space.	\$168,000*
14.	Air Condition all Resource Centers <ul style="list-style-type: none"> • Provide individual air system (ductwork, air handling unit, condenser, temperature controls) for each 	\$200,000*
15.	Air Condition one classroom wing for summer school <ul style="list-style-type: none"> • Add to construction cost of new addition, assume 10 classrooms • Provide small chiller, coils, piping, temperature controls 	\$130,000*
16.	Replace 6 existing air conditioning units. <ul style="list-style-type: none"> • Resource room by Little Theatre- current Art Resource D108 • Resource rooms on second floor (2 units) • New guidance area (current main offices) • New main offices (opposite old gym) • Special Ed Room C209 	\$234,000*
17.	Replace 10 existing heating & ventilating units <ul style="list-style-type: none"> • 2 in auditorium • 2 in Music rooms • 2 in Little Theatre • 1 in each computer rooms across from Little Theatre • 2 in old gym 	\$350,000*
18.	Air Condition Fitness Center	\$66,000
19.	Repair/replace 20 exhaust fans throughout building.	\$72,000
20.	Upgrade Electrical Service: <ul style="list-style-type: none"> • Extend electrical service from existing 13.2 service, 60 Amp switch feeding 500 KVA transformer to 2nd 600 KVA new transformer at new MDP in new boiler room. 	\$ 156,000
21.	Emergency Generator: <ul style="list-style-type: none"> • Furnish and install new emergency generator to serve pool equipment, some technology equipment, phone system, at least one boiler and associated pump in each boiler room. 	\$420,000
22.	Provide power to new technology areas in existing building.	\$684,000
23.	Light Switching <ul style="list-style-type: none"> • Provide multiple switching for existing classroom lighting with automatic shut - off sensors. 	\$60,000
24.	Security System <ul style="list-style-type: none"> • Provide new security system for building, including security at entrances. 	\$480,000
25.	Sound/PA system	\$360,000



- Provide new sound/PA system for entire building, using new head end equipment installed in 2003.
26. Clock system \$120,000
- Provide new synchronized clock system for entire building.
27. Telephone system: \$492,000
- Furnish and install new IP based telephone system, utilize the district WAN for building to building cabling, includes battery backup system.
28. Projection systems: \$738,000
- Provide a projector system in each instructional space capable of projecting teacher's laptop and CATV.
29. Exterior lighting \$320,000
30. Improved wireless technology \$150,000
31. Provide smart boards in each classroom \$180,000
32. Upgrade electric service to labs and classrooms \$200,000
33. Upgrade light, sound system for Auditorium \$450,000
- Replace and improve lighting house and stage system, sound system, including new panels, microphones, wireless microphones, new wiring (in conduit) for both systems.

Priority II

1. Air Condition entire building except pool, locker rooms, gyms. \$6,916,000
- NOTE: This number is NOT included in building totals.
 - Includes central plant, with single chiller, cooling tower piping, pumps, valves, etc.
 - Add cooling coils in unit ventilators
 - Add cooling coils in air handling units
 - Add temperature controls
 - Replace unit ventilators, provide new relief air system (items 8 & 9 in Priority I) MUST also be taken in order for system to be complete.
 - If this item is accepted, previous items marked with an asterisk (*) should be deducted from totals.
2. Air Condition New Gym \$120,000
3. Provide new sound system for Blatnick Gym. \$60,000



4.	Provide new sound system for New Gym.	\$72,000
5.	Complete network project: provide 6 student computer drops each in all classrooms, all office spaces. (Wireless should be priority.)	\$822,000
6.	Rework existing podiums in large instructional spaces	\$30,000
SUB TOTAL:		\$11,025,000

Additions

Priority I

1.	Additions	\$26,400,000
	a. Library addition (7,600 sf)	
	b. General Purpose Classroom addition (53,300 sf)	
	c. Music Department addition (10,000 sf)	
	d. Art Department addition (10,000 sf)	
	e. PE & Athletics Department addition (3,100 sf)	
	f. Cafeteria addition (2,700 sf)	
	g. Student Commons / Multipurpose space addition (7,500 sf)	
	h. Science Department addition (12,400 sf)	
2.	Add 4th rehearsal room for M.S. ensembles (3,000 sf)	\$750,000
3.	Create Business Resource Center (1000 sf)	\$250,000
SUB TOTAL:		\$27,400,000

Reconstruction

Building -Wide

Priority I

1.	Renovate existing Cafeteria	\$420,000
2.	Renovation of existing kitchen. Reconfigure to provide additional serving lines	
		\$385,000



- 3. Move Main Office to front of building \$420,000
- 4. Relocate and Renovate Guidance Department suite \$335,000
- 5. Redesign Department Resource Centers \$1,845,000

Priority II

- 1. Renovate Faculty lunch room \$180,000
- 2. Convert Lower Team Room to District storage \$565,000

Interchangeable Classrooms: English, Social Studies, Math, For. Language

Priority I

- 1. New desks and chairs \$162,000
- 2. Locking desks and filing cabinet for teachers \$150,000
- 3. Adequate storage & display capacity in classrooms \$108,000
- 4. Replace and add chalkboards/marker boards in classrooms as needed. \$81,000
- 5. Create Interchangeable classrooms from Storage and Art rooms F108 \$325,000
- 6. Create Interchangeable classrooms from Art rooms F102, F104, F105, F106 \$460,000

Priority II

- 1. Add operable partitions in existing classrooms between 2 adjacent rooms (13) \$325,000
- 2. Create Interchangeable classrooms from Resource Rooms D108 \$150,000
Only if necessary for design scheme 1
- 3. Create Interchangeable classrooms from 2nd floor Resource Rooms \$308,000
Only if necessary for design scheme 1

Health Education Department

Priority I

- 1. Refurnish Room A203 & storage \$255,000

Special Education Department



Priority I

- 1. Movable walls for Special Ed. classroom in corridor or suite \$75,000
- 2. Two study carrels for each Special Ed. classroom \$6,000

Science Department

Priority I

- 1. Renovate existing science labs \$2,405,000
 - (only those not renovated in last bond)
- 2. Self-regulating greenhouse \$100,000
 - Upgrade existing greenhouse

Priority II

- 1. Outdoor/atrium instructional space \$30,000

Media Center and Computer Labs

Priority I

- 1. Reconstruction of existing Media Center \$1,825,000

Art Department

Priority I

- 1. New Art gallery at main entrance \$180,000
 - New Art gallery also next to new Art classrooms
- 2. Reconstruct existing Music classrooms to Art per proposed design \$1,078,000

Music Department

Priority I

- 1. New auditorium/stage storage \$116,000
- 2. Create Music Theory Classroom for 20 students; MIDI lab \$150,000
- 3. Create 5 new small Music Practice rooms \$60,000
- 4. Create new District Music Library storage room and work space \$177,000



Technology, Business, Family & Consumer Sciences

Priority I

- 4. Reconstruction of Technology & Foods Labs \$954,000
- 5. Create CAD/ Mech Drawing Lab per proposed design \$150,000

Priority II

- 1. Install carpeting in Business Lab (D310) \$5,000

PE & Athletics Department Renovations

Priority I

- 1. Blatnick Gym:
 - a. New electrically operated bleachers \$150,000
 - b. New electrically operated glass basketball backboards \$36,000
 - c. Block up existing windows \$20,000
 - d. New wood gym floor \$156,000
 - e. Remove dividing wall; install curtain \$44,000
- 2. New Gym:
 - a. Add padding to exposed walls \$8,000
 - b. Re-paint and repair underside of roof structure, steel \$40,000
 - c. Re-install drain in concession stand \$8,000
 - d. Add baskets \$24,000
- 3. Reconstruct boys & girls locker rooms, team rooms, storage rooms, offices. \$1,950,000
- 4. Exterior Work:
 - a. Resurface track & field areas \$160,000
 - b. Complete outdoor bathrooms \$45,000
 - c. Add high fence at west end of fields 1 and 2 \$14,000
 - d. Add visiting bleachers to main field \$68,000
 - e. Add bleachers to girls' soccer /boys' lacrosse field \$45,000
 - f. Re-crown and sod football field \$112,000

Priority II

- 1. Blatnick Gym:
 - a. Add suspended ceiling batting cage \$30,000
- 2. New Gym:
 - a. Move center floor jacks to wall location \$12,000



3.	Exterior Work:	
a.	Batting cage for baseball & softball	\$18,000
b.	Project Adventure – Outside low element course	\$32,000
c.	Two new baseball dugouts with storage	\$75,000
d.	New ice machine & location	\$20,000
e.	Inside water faucet to fill jugs	\$10,000

Questions

1.	New Gym: Renovate bleachers	\$30,000
2.	Small Gym: re-install pull-up bar	\$6,000
3.	Exterior Work: Renovate practice football field	\$50,000

SUB TOTAL ALL DEPARTMENTS:	\$16,948,000
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High School –S U M M A R Y

Infrastructure – General Construction Sub total	\$6,955,000
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Infrastructure – Plumbing , HVAC, Electrical & Technology Sub total	\$11,025,000
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Additions Subtotal	\$27,400,000
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Reconstruction Sub total	\$16,948,000
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High School –T O T A L \$62,328,000