

Town of Wayland Wayland Public Schools Utilization Study



Submitted to:
Dr. Paul Stein
Superintendent of Schools
Town of Wayland

February 24, 2012



ENROLLMENT

	2011-12	2012-13	Difference
Claypit Hill School	563	574	+11
Happy Hollow School	438	426	-12
Loker School	179	160	-19

UTILIZATION: HAPPY HOLLOW SCHOOL

	# Periods/ week	% Used
Total Periods	38	
Gym	20+2+5	71%
Art	20+2	58%
Music	20+10	79%
Library	12	32%
Tech	15	40%
Core Classroom (1-2)	29	76%
Core Classroom (3)	28	74%
Core Classroom (4-5)	27	71%

SPACE LEGEND

IT DEPT	ARTS & MUSIC	HEALTH & PE	DINING SERVICES	ADMIN/ GUIDANCE
SPEL	MEDICAL	MEDIA CENTER	BASE/ PEGASUS	CUSTODIAL
GRADE 1	GRADE 2	GRADE 3	GRADE 4	GRADE 5



ENROLLMENT

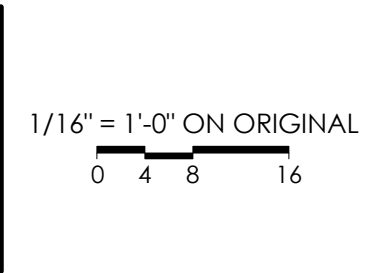
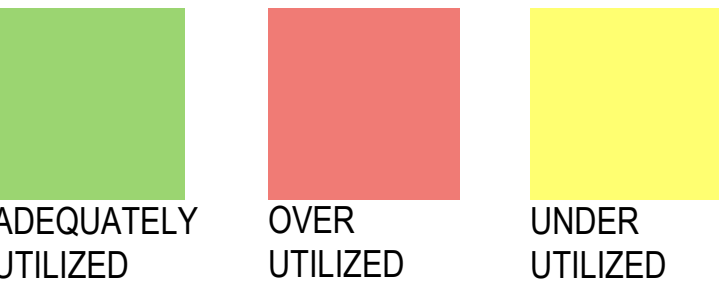
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Core Classroom (3)	28	74%
Core Classroom (4-5)	27	71%

UTILIZATION LEGEND

DETERMINED BY TIME (NUMBER OF PERIODS / WEEK) USED AND/OR BY ROOM SIZE (SQUARE FOOTAGE).





TASK 1 SCOPE:

- Demolish walls between cafeteria, art room and corridor. Install 1-hr glazed partitions to keep egress path but allow vision between spaces. Double doors to be on hold opens at all locations. New finishes and lighting.

- Art room to relocate to Room 15. Build new partitions to create art storage and office. New carpet, ceiling, lighting and ventilations. Rework lighting in art room.

- Demolish three (3) walls between three (3) 4th grades. Construct new partitions to create four (4) classrooms. Install new carpet, ceiling and lighting. Demolish two (2) toilet rooms. Install four (4) new doors in corridor and one (1) new exterior door. Extend hallway to new art and 4th grade rooms. School to relocate all items in rooms.

ESTIMATED COST (SCHEMATIC LEVEL):
\$-

TASK 2 SCOPE:

- Remove wall at art storage and P.E. office and storage. Remove double door or close. New carpet, ceiling, lighting and ventilation. School to relocate all items in rooms.

- Relocate gym storage/instructor to small storage rooms at gym. Demolish wall between the two rooms and building new partition. New carpet, ceiling, lighting and ventilation.

ESTIMATED COST (SCHEMATIC LEVEL):
\$-

TASK 3 SCOPE:

- Demolish existing 1-hr block walls at small storage rooms. Construct new walls and doors to create four (4) rooms. New carpet, ceiling, lighting and ventilation.

- Install new double door at library.

ESTIMATED COST (SCHEMATIC LEVEL):
\$-

TASK 4 SCOPE:

- Demolish existing 1-hr block walls at small storage rooms. Construct new walls and doors to create three (3) rooms. New carpet, ceiling, lighting and ventilation.

ESTIMATED COST (SCHEMATIC LEVEL):
\$-

TASK 5 SCOPE:

- Demolish half partitions at existing nurse's office. Construct new partitions at GR 1 classroom. Construct small corridor to existing toilet room. New floor, modify ceiling and new lighting.

-Demolish wall between classrooms and workroom. Construct new wall and install new door at exterior.

ESTIMATED COST (SCHEMATIC LEVEL):
\$-

SCOPE LEGEND



ENROLLMENT

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Core Classroom (1-2)	29	76%
Core Classroom (3)	28	74%
Core Classroom (4-5)	27	71%



UTILIZATION LEGEND
DETERMINED BY TIME (NUMBER OF PERIODS / WEEK) USED AND/OR BY ROOM SIZE (SQUARE FOOTAGE).

ADEQUATELY UTILIZED

OVER UTILIZED

UNDER UTILIZED



- TASK 1 SCOPE:**
- Demolish walls between cafeteria, art room and corridor. Install 1-hr glazed partitions to keep egress path but allow vision between spaces. Double doors to be on hold opens at all locations.
- Art room to relocate to Room 15. Build new partitions to create art storage and office.
- Demolish three (3) walls between three (3) 4th grades. Construct new partitions to create four (4) classrooms. Install new carpet, ceiling and lighting. Demolish two (2) toilet rooms. Install four (4) new doors in corridor and one (1) new exterior door. Extend hallway to new art and 4th grade rooms. School to relocate all items in rooms.
- Patch ceilings & floors (65%), new ceilings & floors (35%), reuse lighting (80%)

CONCEPTUAL COST (SCHEMATIC LEVEL):
\$256,200

- TASK 2 SCOPE:**
- Remove wall at art storage and P.E. office and storage. Remove double door or close. New carpet, ceiling, lighting and ventilation. School to relocate all items in rooms.
- Relocate gym storage/instructor to small storage rooms at gym. Demolish wall between the two rooms and building new partition. New carpet, ceiling, lighting and ventilation.

CONCEPTUAL COST (SCHEMATIC LEVEL):
\$42,300

- TASK 3 SCOPE:**
- Demolish existing 1-hr block walls at small storage rooms. Construct new walls and doors to create four (4) rooms. New carpet, ceiling, lighting and ventilation.
- Install new double door at library.

CONCEPTUAL COST (SCHEMATIC LEVEL):
\$90,400

- TASK 4 SCOPE:**
- Demolish existing 1-hr block walls at small storage rooms. Construct new walls and doors to create three (3) rooms. New lighting and ventilation. Patch ceilings & floors (50%), new ceilings & floors (50%)

CONCEPTUAL COST (SCHEMATIC LEVEL):
\$70,600

- TASK 5 SCOPE:**
- Demolish half partitions at existing nurse's office. Construct new partitions at GR 1 classroom. Construct small corridor to existing toilet room. Reuse lighting (80%), new ceilings & floors (12%-20%) & patch ceilings & floors (80%-88%)
- Demolish wall between classrooms and workroom. Construct new wall and install new door at exterior.

CONCEPTUAL COST (SCHEMATIC LEVEL):
\$84,500

TASK LEGEND

TASK 1	TASK 2	TASK 3	TASK 4	TASK 5

WAYLAND SCHOOLS - HAPPY HOLLOW ELEMENTARY SCHOOL

SUMMARY OF ESTIMATED CONSTRUCTION COSTS

	TASKS INCLUDED					Combined Scope *
	Task 1 Art Room Relocation/ Cafeteria Expansion	Task 2 Music Expansion	Task 3 Tech/ Offices Reconfiguration	Task 4 SPED Rooms Reconfiguration	Task 5 Nurse's Office Relocation	
Subtotal Construction Subcontracts, Unadjusted	\$ 161,447.95	\$ 26,989.75	\$ 57,565.13	\$ 45,146.29	\$ 54,053.50	\$ 299,519.28
General Contractor's Overhead and Profit	\$ 9,686.88	\$ 1,619.39	\$ 3,453.91	\$ 2,708.78	\$ 3,243.21	\$ 17,971.16
General Conditions	\$ 32,289.59	\$ 5,397.95	\$ 11,513.03	\$ 9,029.26	\$ 10,810.70	\$ 47,923.08
C149 Premium/Prevailing Wage	\$ 19,373.75	\$ 2,789.19	\$ 6,050.27	\$ 4,507.45	\$ 5,368.39	\$ 35,942.31
TOTAL ESTIMATED CONSTRUCTION BID	\$ 222,798.17	\$ 36,796.28	\$ 78,582.33	\$ 61,391.77	\$ 73,475.80	\$ 401,355.84
Contingency	\$ 33,419.73	\$ 5,519.44	\$ 11,787.35	\$ 9,208.77	\$ 11,021.37	\$ 60,203.38
RECOMMENDED CONSTRUCTION BUDGET (Rounded)	\$ 256,200.00	\$ 42,300.00	\$ 90,400.00	\$ 70,600.00	\$ 84,500.00	\$ 461,500.00

* Not a total of 5 tasks: General Conditions @ 16% vs 20% individually; job size factors discounted

Wayland Schools Utilization - Happy Hollow School

Task 1: Art Room Relocation/ Cafeteria Expansion

Uniformat Ref. No.	System/Component	Specifications	Unit	No. Units	Job Size	Unit Cost 2006	Inflation 23%	Location 17%	Unit Cost	Sub Total	Total Base Bid	% total
A Substructure												
A10	Foundations										\$0	0.00%
A1010	Standard Foundations											
B Shell												
B10	Superstructure										\$0	0.00%
B1020	Roof Construction										\$0	0.00%
B20	Exterior Closure										\$0	0.00%
B2020	Exterior Windows										\$0	0.00%
B2030	Exterior Doors										\$3,836	2.38%
		New 3x7 hollow metal 18 ga. steel door	ea	1	1.0	\$1,955	\$0.00	\$336.65	\$2,291.65	\$2,292		
		Hardware	ea	1	1.0	\$806	\$0.00	\$138.79	\$944.79	\$945		
		Limited demolition to prepare opening	budget	1	1.0	\$600	\$0.00	\$0.00	\$600.00	\$600		
B30	Roofing										\$1,275	0.79%
B3010	Roof Coverings	HVAC, Kiln vent penetrations, boot, reflash	ea	3	1.0	\$425.00	\$0.00	\$0.00	\$425.00	\$1,275		
C Interiors												
C10	Interior Construction										\$30,352	18.80%
C1010	Interior Partitions											
		Demolition of interior brick/block partitions	s.f	1433	1.0	\$2.00	\$0.46	\$0.42	\$2.89	\$4,135		
		New and infill GWB wall with metal stud & GWB each side	s.f	1127	2.0	\$4.23	\$0.98	\$0.90	\$12.21	\$13,755		
		New fire rated hollow metal frame & glazing partition	s.f	526								
C1020	Interior Doors											
		Demo doors	ea	10	1.0	\$85	\$19.62	\$18.01	\$272.63	\$2,726		
		New 3x7 solid birch veneer, metal frame	ea	8	1.0	\$500	\$115.38	\$105.97	\$721.35	\$5,771		
		New 6x7 fire rated hollow metal door & narrow lite	ea	4	1.0	\$312	\$72.00	\$66.12	\$450.12	\$1,800		
		Hardware, interior setup	ea	10	1.0	\$150	\$34.62	\$31.79	\$216.41	\$2,164		
C1030	Interior Specialties											
C30	Interior Finishes										\$72,169	44.70%
C3010	Interior Finishes											
		Demolition										
		Demo ceilings	s.f.	2488	1.0	\$0.89	\$0.21	\$0.19	\$1.28	\$3,194		
		Demo floor finishes - vct (presume no Hazmat)	s.f.	2488	1.0	\$1.50		\$0.26	\$1.76	\$4,374		
		ACT Ceilings	s.f.	2488	1.0	\$5.83		\$1.00	\$6.83	\$17,001		
		ACT Ceilings	s.f.	4620	1.0	\$1.50			\$1.50	\$6,930		
		Painting	s.f.	8986	1.0	\$1.52		\$0.26	\$1.78	\$16,011		
		Painting	ea	18	1.0	\$50.00		\$8.61	\$58.61	\$1,055		
C3020	Interior Floor Finishes											
		VCT	s.f.	799	1.2	\$2.50		\$0.43	\$3.52	\$2,810		
		VCT	s.f.	1484	1.0	\$1.25			\$1.25	\$1,855		
		Carpet	s.f.	1689	1.2	\$5.00		\$0.86	\$7.03	\$11,880		
		Carpet	s.f.	3137	1.0	\$2.25			\$2.25	\$7,058		
D Services												
D20	Plumbing Systems										\$4,046	2.51%
		Demolition										
		Demo bathrooms	ea	2	1.0	\$350.00	\$0.00	\$0.00	\$350.00	\$700		
		Demo sinks at rooms 14 &15	ea	2	1.0	\$120.00	\$27.69	\$25.43	\$173.12	\$346		
		Art Room	ea	1	1.0	\$2,850.00	\$0.00	\$0.00	\$2,850.00	\$2,850		
		Plumbing Service Changes	budget	1	1.0	\$150.00			\$150.00	\$150		
D30	HVAC Systems										\$13,364	8.28%
		Energy recovery ventilator, 50cmf per room, ducted return and supply	ea	1	1.0	\$3,500.00	\$0.00	\$0.00	\$3,500.00	\$3,500		
		Additional room supply	ea	1	1.0	\$500.00	\$0.00	\$0.00	\$500.00	\$500		
		Demo/modifications/new	budget	1	1.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0		
		Unit ventilator, piping mods, valves, thru wall, CO2 and Tstat, control wiring	ea	1	1.0	\$8,864.00	\$0.00	\$0.00	\$8,864.00	\$8,864		
		Relocate Kiln to Art Storage Rm from boiler	budget	1	1.0	\$500.00	\$0.00	\$0.00	\$500.00	\$500		
D50	Electrical Systems											
D5020	Lighting & Branch Wiring										\$35,911	22.24%
		Reuse fluorescents 80%, with switches, each room, ltd outlets	s.f.	7108	1.0	\$4.25	\$0.00	\$0.73	\$4.98	\$35,411		
		Demo/modifications/new for HVAC	budget	1	1.0	\$250.00	\$0.00	\$0.00	\$250.00	\$250		
		New service for Kiln	ea	1	1.0	\$250.00	\$0.00	\$0.00	\$250.00	\$250		
D5030	Communication & Security Systems	None Included									\$0	0.00%
D5040	Special Electrical Systems										\$495	0.31%
	Fire Alarm	New strobe	ea	2	1.0	\$211	\$0.00	\$36.33	\$247.33	\$495		
E Equipment & Furnishings												
E10	Equipment	Not Used									\$0	0.00%
	Records	Demo/Disposal	ton	0	1.5	\$250.00	\$0.00	\$0.00	\$375.00	\$0		
E20	Furnishings	Not Used									\$0	0.00%
F Other Building Construction												
F10	Special Construction										\$0	0.00%
F20	Selective Demolition	Included above									\$0	0.00%
G Building Sitework												
G10	Site Preparation										\$0	0.00%
G20	Site Improvements										\$0	0.00%
Subtotal Construction Subcontracts, Unadjusted										\$161,448	\$161,448	100%
General Contractor's Overhead and Profit			6.0%								\$9,687	
General Conditions			20.0%								\$32,290	
C149 Premium/Prevailing Wage			12.0%								\$19,374	
TOTAL ESTIMATED CONSTRUCTION BID											\$222,798	
Contingency			15.0%								\$33,420	
RECOMMENDED CONSTRUCTION BUDGET (Rounded)											\$256,200	

Wayland Schools Utilization - Happy Hollow School

Task 2: Music Expansion

Uniformat Ref. No.	System/Component	Specifications	Unit	No. Units	Job Size	Unit Cost 2006	Inflation 23%	Location 17%	Unit Cost	Sub Total	Total Base Bid	% total
A Substructure												
A10	Foundations										\$0	0.00%
A1010	Standard Foundations											
B Shell												
B30	Roofing										\$850	2.01%
B3010	Roof Coverings	HVAC vent penetrations, boot, reflash	ea	2	1.0	\$425.00	\$0.00	\$0.00	\$425.00	\$850		
C Interiors												
C10	Interior Construction										\$3,713	13.76%
C1010	Interior Partitions	Demolition of interior brick/block partitions	s.f.	488	1.0	\$2.00	\$0.46	\$0.42	\$2.89	\$1,408		
		New and infill GWB wall with metal stud & GWB each side	s.f.	203	1.2	\$4.23	\$0.98	\$0.90	\$7.32	\$1,487		
C1020	Interior Doors	Demo doors	ea	3	1.0	\$85	\$19.62	\$18.01	\$272.63	\$818		
		New 3x7 solid birch veneer, metal frame	ea	0	1.0	\$500	\$115.38	\$105.97	\$721.35	\$0		
C1030	Interior Specialties											
C30	Interior Finishes										\$13,686	50.71%
C3010	Interior Finishes	Demo ceilings	s.f.	636	1.2	\$0.89	\$0.21	\$0.19	\$1.54	\$980		
		Demo floor finishes - vct (presume no Hazmat)	s.f.	636	1.2	\$1.50		\$0.26	\$2.11	\$1,342		
		New ceiling throughout	s.f.	636	1.2	\$5.83		\$1.00	\$8.20	\$5,216		
		Painting	s.f.	1294	1.2	\$1.52		\$0.26	\$2.14	\$2,767		
		Painting	ea	2	1.5	\$50.00		\$8.61	\$87.91	\$176		
C3020	Interior Floor Finishes	VCT	s.f.	178	1.0	\$2.50		\$0.43	\$2.93	\$522		
		Carpet	s.f.	458	1.0	\$5.00		\$0.86	\$5.86	\$2,684		
D Services												
D20	Plumbing Systems										\$0	0.00%
	Plumbing Service Changes	Demo/modifications/new	budget	1	1.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0		
D30	HVAC Systems										\$4,500	16.67%
	Ventilation	Energy recovery ventilator, 150cmf, ducted return and supply - art rm	ea	1	1.0	\$4,000.00	\$0.00	\$0.00	\$4,000.00	\$4,000		
		Additional room supply - office 50 cfm	ea	1	1.0	\$500.00	\$0.00	\$0.00	\$500.00	\$500		
	Mechanical Service Changes	Demo/modifications/new	budget	1	1.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0		
D50	Electrical Systems											
D5020	Lighting & Branch Wiring	Reuse 80% of fluorescents with switches, each room, ltd outlets	s.f.	636	1.0	\$4.69	\$0.00	\$0.81	\$5.50	\$3,496	\$3,746	13.88%
		Electrical Service Changes	budget	1	1.0	\$250.00	\$0.00	\$0.00	\$250.00	\$250		
D5030	Communication & Security Systems	None Included									\$0	0.00%
D5040	Special Electrical Systems	New strobe	budget	2	1.0	\$211	\$0.00	\$36.33	\$247.33	\$495	\$495	1.83%
	Fire Alarm											
E Equipment & Furnishings												
E10	Equipment	Not Used									\$0	0.00%
	Records	Demo/Disposal	ton	0	1.0	\$250.00	\$0.00	\$0.00	\$250.00	\$0.00		
E20	Furnishings	Not Used									\$0	0.00%
F Other Building Construction												
F10	Special Construction										\$0	0.00%
F20	Selective Demolition	Included above									\$0	0.00%
G Building Sitework												
G10	Site Preparation										\$0	0.00%
G20	Site Improvements										\$0	0.00%
Subtotal Construction Subcontracts, Unadjusted										\$26,990	\$26,990	99%
General Contractor's Overhead and Profit			6.0%								\$1,619	
General Conditions			20.0%								\$5,398	
C149 Premium/Prevailing Wage			12.0%								\$2,789	
TOTAL ESTIMATED CONSTRUCTION BID											\$36,796	
Contingency			15.0%								\$5,519	
RECOMMENDED CONSTRUCTION BUDGET (Rounded)											\$42,300	

Wayland Schools Utilization - Happy Hollow School

Task 3: Tech/Offices Reconfiguraion

Uniformat Ref. No.	System/Component	Specifications	Unit	No. Units	Job Size	Unit Cost 2006	Inflation 23%	Location 17%	Unit Cost	Sub Total	Total Base Bid	% total
A Substructure												
A10	Foundations										\$0	0.00%
A1010	Standard Foundations											
B Shell												
B30	Roofing										\$850	1.48%
B3010	Roof Coverings	HVAC vent penetrations, boot, reflash	ea	2	1.0	\$425.00	\$0.00	\$0.00	\$425.00	\$850		
B30	Roofing										\$0	0.00%
B3010	Roof Coverings											
C Interiors												
C10	Interior Construction										\$31,010	53.87%
C1010	Interior Partitions											
		Demolition of interior brick/block partitions	s.f	502	1.0	\$2.00	\$0.46	\$0.42	\$2.89	\$1,448		
		New and infill GWB wall with metal stud & GWB each side	s.f	1043	1.5	\$4.23	\$0.98	\$0.90	\$9.15	\$9,548		
		4" thick concrete block partitions 1hrfr to u/s of deck (12'6" assume)	s.f	1043	1.5	\$7.75	\$0.00	\$1.33	\$13.63	\$14,213		
C1020	Interior Doors											
		Demo doors	ea	3	1.0	\$85	\$19.62	\$18.01	\$272.63	\$818		
		New 3x7 solid birch veneer, metal frame	ea	4	1.0	\$500	\$115.38	\$105.97	\$721.35	\$2,885		
		New 6x7 solid birch veneer, metal frame	ea	1	1.0	\$1,035	\$0.00	\$178.23	\$1,213.23	\$1,213		
		New hardware, interior setup	ea	5	1.0	\$150	\$1.00	\$26.00	\$177.00	\$885		
C1030	Interior Specialties											
C30	Interior Finishes										\$17,569	30.52%
C3010	Interior Finishes											
	Demolition	Demo ceilings	s.f.	677	1.5	\$0.89	\$0.21	\$0.19	\$1.93	\$1,304		
	Demolition	Demo floor finishes - vct (presume no Hazmat)	s.f.	677	1.5	\$1.50		\$0.26	\$2.64	\$1,786		
	ACT Ceilings	New ceiling throughout	s.f.	677	1.0	\$5.83		\$1.00	\$6.83	\$4,627		
	Painting	Walls- roller, prep & 2 coats	s.f.	1726	1.2	\$1.52		\$0.26	\$2.14	\$3,690		
	Painting	Door frames	ea	3	1.2	\$50.00		\$8.61	\$70.33	\$211		
C3020	Interior Floor Finishes											
	VCT	VCT in service, corridor, and closets	s.f.	0	1.0	\$2.50		\$0.43	\$2.93	\$0		
	Carpet	Carpet in offices	s.f.	677	1.5	\$5.00		\$0.86	\$8.79	\$5,952		
D Services												
D20	Plumbing Systems										\$0	0.00%
	Plumbing Service Changes	Demo/modifications/new	budget	1	1.0	\$0.00			\$0.00	\$0		
D30	HVAC Systems										\$0	0.00%
	Ventilation	Energy recovery ventilator, 50cmf ea room, ducted return and supply	ea	1	1.0	\$3,500.00	\$0.00	\$0.00	\$3,500.00	\$3,500		
		Additional room supply - office 50 cfm	ea	3	1.0	\$500.00	\$0.00	\$0.00	\$500.00	\$1,500		
	Mechanical Service Changes	Demo/modifications/new	budget	1	1.0	\$0.00			\$0.00	\$0		
D50	Electrical Systems											
D5020	Lighting & Branch Wiring										\$7,146	12.41%
	Switches and Lights	New Fluorescents with switches, each room, ltd outlets	s.f.	677	1.0	\$8.69	\$0.00	\$1.50	\$10.19	\$6,896		
	Electrical Service Changes	For HVAC	budget	1	1.0	\$250.00	\$0.00	\$0.00	\$250.00	\$250		
D5030	Communication & Security Systems										\$0	0.00%
D5040	Special Electrical Systems										\$989	1.72%
	Fire Alarm	New strobe	budget	4	1.0	\$211		\$36.33	\$247.33	\$989		
E Equipment & Furnishings												
E10	Equipment										\$0	0.00%
	Records	Demo/Disposal	ton	0	1.0	\$250.00			\$250.00	\$0.00		
E20	Furnishings										\$0	0.00%
F Other Building Construction												
G Building Sitework												
Subtotal Construction Subcontracts, Unadjusted										\$65,565	\$57,565	100%
General Contractor's Overhead and Profit			6.0%								\$3,454	
General Conditions			20.0%								\$11,513	
C149 Premium/Prevailing Wage			12.0%								\$6,050	
TOTAL ESTIMATED CONSTRUCTION BID											\$78,582	
Contingency			15.0%								\$11,787	
RECOMMENDED CONSTRUCTION BUDGET (Rounded)											\$90,400	

Wayland Schools Utilization - Happy Hollow School

Task 4: SPED Rooms Reconfiguration

Uniformat Ref. No.	System/Component	Specifications	Unit	No. Units	Job Size	Unit Cost 2006	Inflation 23%	Location 17%	Unit Cost	Sub Total	Total Base Bid	% total
A Substructure												
A10	Foundations										\$0	0.00%
A1010	Standard Foundations											
B Shell												
B10	Superstructure										\$0	0.00%
B1020	Roof Construction										\$0	0.00%
B20	Exterior Closure										\$0	0.00%
B2020	Exterior Windows										\$0	0.00%
B2030	Exterior Doors										\$0	0.00%
B30	Roofing										\$850	1.88%
B3010	Roof Coverings	HVAC vent penetrations, boot, reflash	ea	2	1.0	\$425.00	\$0.00	\$0.00	\$425.00	\$850		
C Interiors												
C10	Interior Construction										\$9,519	21.08%
C1010	Interior Partitions	Demolition of interior cubicle partitions New and infill GWB wall with metal stud & GWB each side	s.f.	422	1.0	\$1.00	\$0.23	\$0.21	\$1.44	\$609		
			s.f.	865	1.0	\$4.23	\$0.98	\$0.90	\$6.10	\$5,279		
C1020	Interior Doors	Demo doors New 3x7 solid birch veneer, metal frame New interior hardware	ea	3	1.0	\$85	\$19.62	\$18.01	\$272.63	\$818		
			ea	3	1.0	\$500	\$115.38	\$105.97	\$721.35	\$2,164		
			ea	3	1.0	\$150	\$34.62	\$31.79	\$216.41	\$649		
C1030	Interior Specialties											
C30	Interior Finishes										\$21,951	48.62%
C3010	Interior Finishes	Demo ceilings Demolition ACT Ceilings ACT Ceilings Painting Painting	s.f.	720	1.5	\$0.89	\$0.21	\$0.19	\$1.93	\$1,387		
		Demo floor finishes - vct (presume no Hazmat)	s.f.	720	1.5	\$1.50		\$0.26	\$2.64	\$1,899		
		New ceiling throughout 50% area	s.f.	720	1.0	\$5.83		\$1.00	\$6.83	\$4,920		
		Patch ceilings	s.f.	720	1.0	\$1.50		\$0.26	\$1.76	\$1,266		
		Walls- roller, prep & 2 coats	s.f.	2382	1.2	\$1.52		\$0.26	\$2.14	\$5,093		
		Door frames	ea	3	1.2	\$50.00		\$8.61	\$70.33	\$211		
C3020	Interior Floor Finishes	VCT VCT Carpet Carpet	s.f.	0	1.0	\$2.50		\$0.43	\$2.93	\$0		
		New VCT	s.f.	192	1.0	\$1.25		\$0.22	\$1.47	\$281		
		Patch VCT	s.f.	624	1.3	\$5.00		\$0.86	\$7.62	\$4,754		
		New carpet in office 50% area	s.f.	624	1.3	\$2.25		\$0.39	\$3.43	\$2,139		
		Patch carpet in 50% area	s.f.	624	1.3	\$2.25		\$0.39	\$3.43	\$2,139		
D Services												
D20	Plumbing Systems										\$0	0.00%
	Plumbing Service Changes	Demo/modifications/new	budget	1	1.0	\$0.00			\$0.00	\$0		
D30	HVAC Systems										\$4,500	9.97%
	Ventilation	Energy recovery ventilator, 50cmf ea room, ducted return and supply	ea	1	1.0	\$3,500.00	\$0.00	\$0.00	\$3,500.00	\$3,500		
		Additional room supply - office 50 cfm	ea	2	1.0	\$500.00	\$0.00	\$0.00	\$500.00	\$1,000		
	Mechanical Service Changes	Demo/modifications/new	budget	1	1.0	\$0.00			\$0.00	\$0		
D50	Electrical Systems											
D5020	Lighting & Branch Wiring	New Fluorescents with switches, each room, ltd outlets For HVAC	s.f.	720	1.0	\$8.69	\$0.00	\$1.50	\$10.19	\$7,334	\$7,584	16.80%
	Switches and Lights		budget	1	1.0	\$250.00	\$0.00	\$0.00	\$250.00	\$250		
D5030	Communication & Security Systems	None Included									\$0	0.00%
D5040	Special Electrical Systems	Fire Alarm	budget	3	1.0	\$211		\$36.33	\$247.33	\$742	\$742	1.64%
E Equipment & Furnishings												
E10	Equipment	Not Used									\$0	0.00%
	Records	Demo/Disposal	ton	0	1.0	\$250.00			\$250.00	\$0.00		
E20	Furnishings	Not Used									\$0	0.00%
F Other Building Construction												
F10	Special Construction										\$0	0.00%
F20	Selective Demolition	Included above									\$0	0.00%
G Building Sitework												
G10	Site Preparation										\$0	0.00%
G20	Site Improvements										\$0	0.00%
Subtotal Construction Subcontracts, Unadjusted										\$48,146	\$45,146	100%
General Contractor's Overhead and Profit			6.0%								\$2,709	
General Conditions			20.0%								\$9,029	
C149 Premium/Prevailing Wage			12.0%								\$4,507	
TOTAL ESTIMATED CONSTRUCTION BID											\$61,392	
Contingency			15.0%								\$9,209	
RECOMMENDED CONSTRUCTION BUDGET (Rounded)											\$70,600	

Wayland Schools Utilization - Happy Hollow School

Task 5: Nurse's Office Relocation

Uniformat Ref. No.	System/Component	Specifications	Unit	No. Units	Job Size	Unit Cost 2006	Inflation 23%	Location 17%	Unit Cost	Sub Total	Total Base Bid	% total
A Substructure												
A10	Foundations										\$0	0.00%
A1010	Standard Foundations											
B Shell												
B10	Superstructure										\$0	0.00%
B1020	Roof Construction										\$0	0.00%
B20	Exterior Closure										\$0	0.00%
B2020	Exterior Windows										\$0	0.00%
B2030	Exterior Doors										\$0	0.00%
B30	Roofing										\$0	0.00%
B3010	Roof Coverings											
C Interiors												
C10	Interior Construction										\$9,404	17.40%
C1010	Interior Partitions											
		Demolition of interior brick/block partitions	s.f.	688	1.0	\$2.00	\$0.46	\$0.42	\$2.89	\$1,985		
		New and infill GWB wall with metal stud & GWB each side	s.f.	630	1.3	\$4.23	\$0.98	\$0.90	\$7.93	\$4,998		
C1020	Interior Doors											
		Demo doors	ea	2	1.0	\$85	\$19.62	\$18.01	\$272.63	\$545		
		New 3x7 solid birch veneer, metal frame	ea	2	1.0	\$500	\$115.38	\$105.97	\$721.35	\$1,443		
		New interior hardware setup	ea	2	1.0	\$150	\$34.62	\$31.79	\$216.41	\$433		
C1030	Interior Specialties											
C30	Interior Finishes										\$35,085	64.91%
C3010	Interior Finishes											
		Demo ceilings	s.f.	600	1.5	\$0.89	\$0.21	\$0.19	\$1.93	\$1,156		
		Demo floor finishes - vct (presume no Hazmat)	s.f.	600	1.5	\$1.50		\$0.26	\$2.64	\$1,582		
		ACT Ceilings	s.f.	2292	1.0	\$1.50			\$1.50	\$3,438		
		ACT Ceilings	s.f.	600	1.0	\$5.83		\$1.00	\$6.83	\$4,100		
		Painting	s.f.	4016	1.0	\$1.52		\$0.26	\$1.78	\$7,155		
		Painting	ea	8	1.5	\$50.00		\$8.61	\$87.91	\$703		
C3020	Interior Floor Finishes											
		VCT in service, corridor, and closets	s.f.	380	2.0	\$2.50		\$0.43	\$5.86	\$2,227		
		Carpet in offices & conference	s.f.	2512	1.0	\$5.00		\$0.86	\$5.86	\$14,723		
D Services												
D20	Plumbing Systems										\$0	0.00%
	Plumbing Service Changes	Demo/modifications/new	budget	1	1.0	\$0.00			\$0.00	\$0		
D30	HVAC Systems										\$0	0.00%
	Mechanical Service Changes	Demo/modifications/new	budget	1	1.0	\$0.00			\$0.00	\$0		
D50	Electrical Systems											
D5020	Lighting & Branch Wiring										\$9,317	17.24%
		Reuse fluorescents 80%, with switches, each room, ltd outlets	s.f.	600	1.2	\$4.25	\$0.00	\$0.73	\$5.98	\$3,587		
		Modification of existing layouts	s.f.	2292	1.0	\$2.50	\$0.00	\$0.00	\$2.50	\$5,730		
		Electrical Service Changes	budget	1	1.0	\$0.00			\$0.00	\$0		
D5030	Communication & Security Systems	None Included									\$0	0.00%
D5040	Special Electrical Systems										\$247	0.46%
	Fire Alarm	New strobe	budget	1	1.0	\$211		\$36.33	\$247.33	\$247		
E Equipment & Furnishings												
E10	Equipment	Not Used									\$0	0.00%
	Records	Demo/Disposal	ton	0	1.0	\$250.00			\$250.00	\$0.00		
E20	Furnishings	Not Used									\$0	0.00%
F Other Building Construction												
F10	Special Construction										\$0	0.00%
F20	Selective Demolition	Included above									\$0	0.00%
G Building Sitework												
G10	Site Preparation										\$0	0.00%
G20	Site Improvements										\$0	0.00%
Subtotal Construction Subcontracts, Unadjusted										\$54,054	\$54,054	100%
General Contractor's Overhead and Profit			6.0%								\$3,243	
General Conditions			20.0%								\$10,811	
C149 Premium/Prevailing Wage			12.0%								\$5,368	
TOTAL ESTIMATED CONSTRUCTION BID											\$73,476	
Contingency			15.0%								\$11,021	
RECOMMENDED CONSTRUCTION BUDGET (Rounded)											\$84,500	