AGENDA

COMMITTEE ON JOINT SCHOOL BUILDINGS

May 5, 2004
School Cmte. Members Herbert, Beaudry, Cote, Perry, Kelley
Aldermen Roy, Porter, DeVries, Garrity, Thibault

5:00 PM
Aldermanic Chambers
City Hall (3rd Floor)

1. Chairman Herbert calls the meeting to order.

2. The Clerk calls the roll.

3. Update on the School Facilities Improvement Project.

4. Discussion regarding maintenance issues.

5. If there is no further business, a motion is in order to adjourn.

Manchester Public
School Facilities
Improvement Project

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AN AECOM COMPANY
Project Office
222 South Jewett Street · Manchester, NH 03103
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Monthly Report – April

City of Manchester
Joint School Building Committee Meeting: May 5, 2004
School Facilities Improvement Project

1.0 Budget:

- Budget overview summary attached.

2.0 Schedule:

- Project schedule overview attached.

Activity Summary:

Central High School steel erection for the building addition is complete; deck placement continues. The 100-ton crane was moved to an open area to continue garage steel erection (3/23/04). PA and IA handicap ramp construction and interior stair CMU work has commenced. WHS new addition roof placement is complete (addition and cafeteria). Overhead night shift work at Jewett Street, Smyth Road, Webster and Gossler continues with mechanical and electrical installation. Overhead CHS and WHS MEP night shift work comprised of fire protection and alarm, electrical work and painting continues. April vacation activity also includes corridor ceiling tile removal at the three middle schools and Memorial High School for layout and coordination of mechanical and electrical work. Elementary school work over April vacation also includes interior painting, chimney extensions at select schools and roof installation in select areas (weather permitting). Design Group 3 (Northwest ES, Bakersville ES and Wilson ES) Design Development Documents were submitted and reviewed and Memorial HS, Hillside MS, Parkside MS and Southside MS "Issued for Construction" documents have been submitted. There is ongoing contact with local utility companies (Keyspan, PSNH, DPW and Verizon) to coordinate work efforts, shutdowns, etc. There is ongoing contact with school principals for user review/approval of specialty area layouts (media centers, specialty areas, etc.). Interior color selections for the program have been completed.

3.0 Previous Month Progress (18 Mar 04 – 27 Apr 04):

• CHS Steel Fireproofing Commencement	March 31
• CHS Interior Painting Commencement	April 13
• CHS Concrete Deck Placement (Addition) Completed	April 8
• CHS 3rd Floor Bathroom Upgrades Commenced	
• CHS Garage Wall Placement Continues	
• CHS Fire Protection Continues in Practical Arts	
• CHS Fire Alarm Continues in Practical Arts & Classical	
• CHS Fire Alarm & Protection Nearly Complete in Industrial Arts	
• WHS Exterior Spray-on Insulation Commencement	April 12
• WHS Interior Block Completed	April 15
• WHS Exterior Brick Commencement	April 15
• WHS Fire Protection Continues in Bean	
• WHS Fire Alarm Continues in Mackin & Bean	
• WHS Interior Painting in Mackin	
• WHS Exterior Wall Demolition Commencement	April 26
• MHS Classroom & Gymnasium Mobilization	April 13
• MHS Classroom & Gymnasium Foundation Excavation Complete	
• MHS Gymnasium Foundation Placement	
• Gossler Electrical Upgrades Continue	

- Gossler Ductwork Installation Continues
- Gossler Gas pipe Installation Commencement — April 12
- Gossler Roof Curb Installation Completion
- Webster Electrical Upgrades Continue
- SSMS Corridor Ceiling Tile Removal
- HSMS Corridor Ceiling Tile Removal
- PSMS Corridor Ceiling Tile Removal
- Smyth Road ES Gas Pipe Installation Continues
- Smyth Road ES Ductwork Installation Continues
- Smyth Road Interior Painting
- Jewett Street ES Gas Pipe Installation Continues
- Jewett Street ES Ductwork Installation Continues
- Jewett Street ES Ductwork Insulation Continues
- Jewett Street Interior Painting
- Safety Meetings Ongoing
- OCIP Enrollment Ongoing
- Ongoing Weekly Project Status Meetings
- As needed Code Review/Approval Meetings with Manchester Building & Fire Department
- Manchester Resident Employment Report (attached)

4.0 **Upcoming Activities:**

- CHS Bathroom (ADA) Upgrades Continue in Practical Arts
- CHS Interior Painting in Practical Arts Continues
- CHS Fire Protection Continues in Practical Arts
- CHS Exterior Wall Erection Continues
- WHS Exterior Wall Work Ongoing
- MHS Classroom Foundation Placement
- Smyth Road ES Extension of Chimney — April Vacation
- Smyth Road ES Installation of Roof (Gym & Kitchen) — April Vacation
- Smyth Road Installation of Duct Sock in Gym — April Vacation
- Jewett Street Extension of Chimney — April Vacation
- Jewett Street ES Installation of Roof (Gym & Kitchen) — April Vacation
- Jewett Street Installation of Duct Sock in Gym — April Vacation
- Gossler Park Extension of Chimney
- Gossler Park ES Installation of RTUs
- Gossler Park Mech/Elec Installation Continues
- Webster Electrical Rough-in Ongoing
- Webster Selective Removal of Ceilings for HVAC — April Vacation
- Webster Installation of Roof Curbs for RTUs — April Vacation
- Delivery of Moving Boxes to Select Schools for Teacher Pre- packing.
- Design Submissions and Reviews Ongoing
- OCIP Enrollment Ongoing
- User input from school principals/department heads

5.0 Critical Issues:

- Asbestos Abatement Over the Summer
- OCIP Enrollment
- Timely Review and Approval of Design Submittals

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6.0 New Issues:

- Hillside MS and Southside MS Stairway Addition (attached)
- Memorial Weight Room Addition
- Consumer Science Room Renovations
- Central High School Auditorium Floor
- Maintenance Outside of Design-Build

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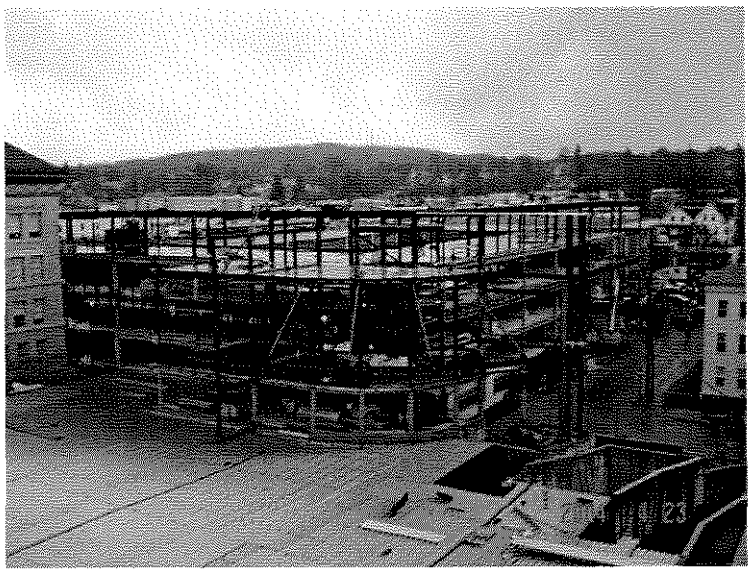
6.0 Progress Photos

Late March to Late April

Central High School Plaza and Main Entrance



Central High School Structural Steel Fireproofing

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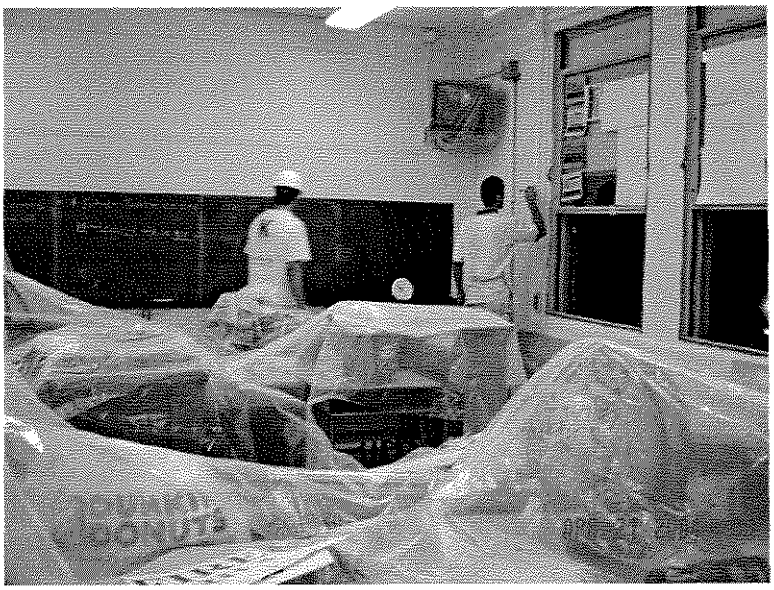
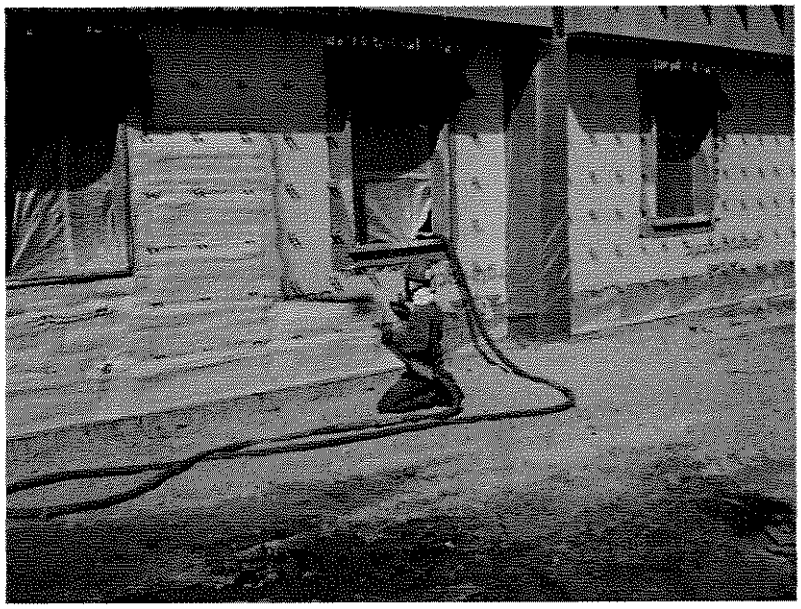
Central High School Interior Painting



West High School Exterior Wall Insulation



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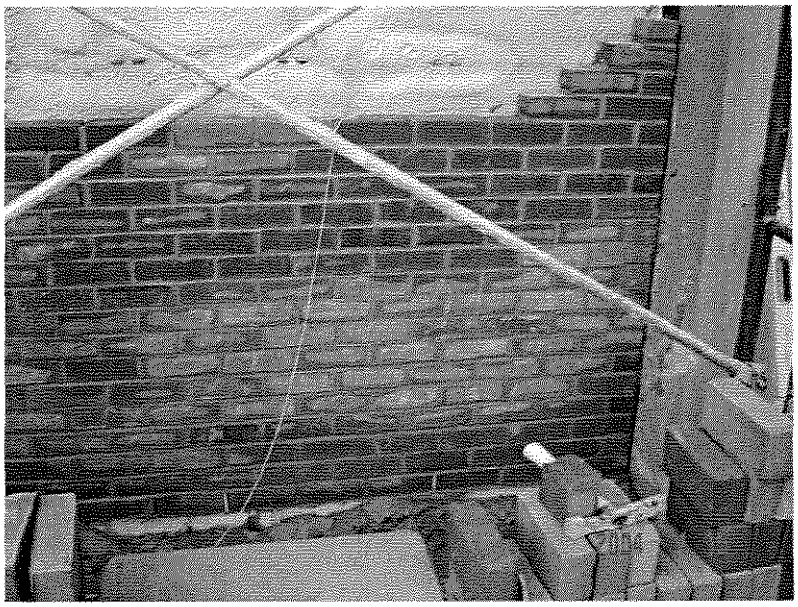
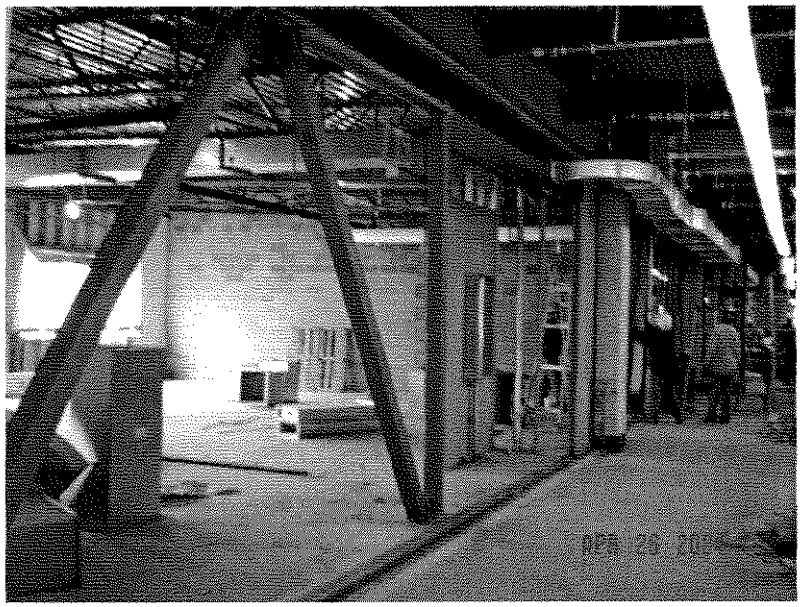
West High School Administration Area Brickwork



West High School Wall Removal at Addition



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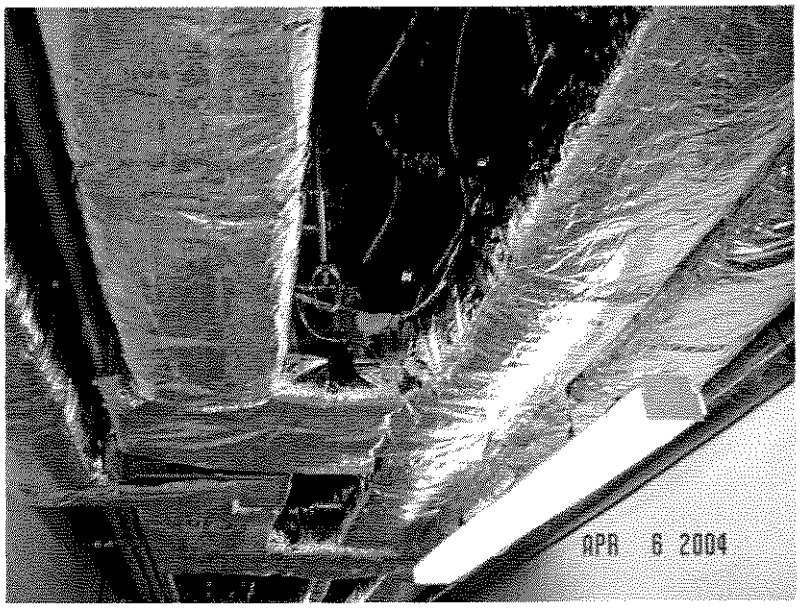
Smyth Road ES Roof Top Units (RTUs)

Jewett Street ES RTU Interior Ductwork



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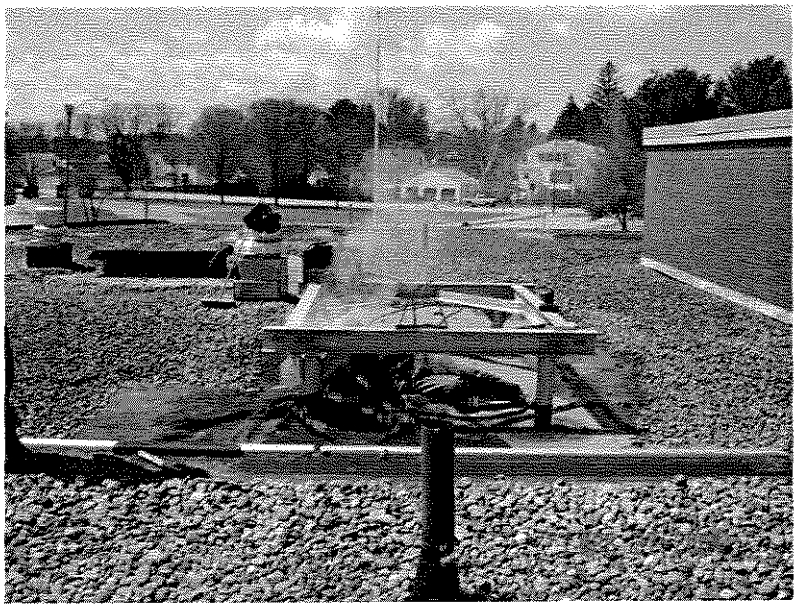
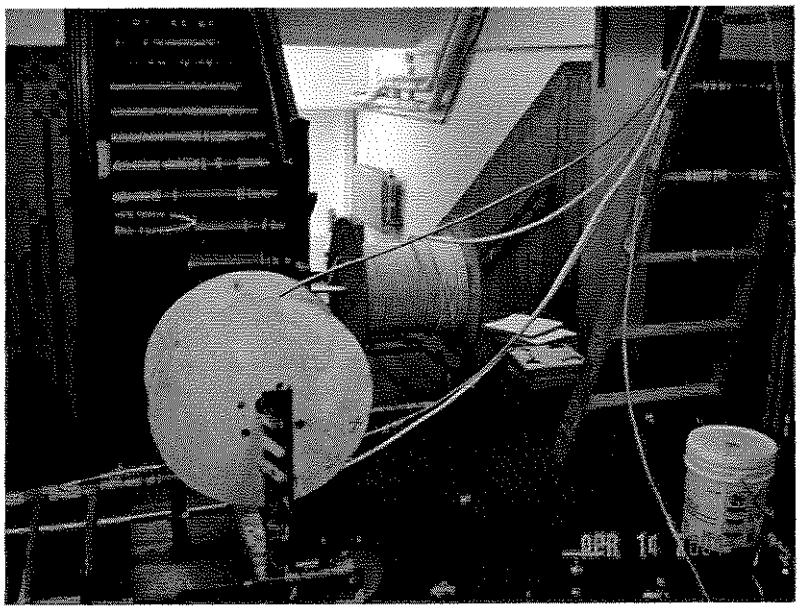
Gossler Park ES Roof Curb Installation



Webster ES Electrical Installation



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JOINT SCHOOL BUILDING COMMITTEE

HIGHWAY DEPARTMENT / PROJECT FINANCIAL REPORT

28-Apr-04

DESIGN/BUILD/FINANCE SCHOOL IMPROVEMENT PROGRAM - Project #310303

BUDGET	FUNDING	SOURCE:	Bond
	FY03 CIP	School Revenue Bond	$101,410,000.00
	FY03 CIP	Gen.Obligation Bond	$3,590,000.00
108,495,000	FY03 CIP	Earned Interest	$3,495,000.00

AUTHORIZED VENDOR DESCRIPTION AND APPROVAL DATE	BUDGET	AMOUNT ENCUMBERED	PERCENT COMPLETE	AMOUNT EXPENDED	RETAINAGE HELD
Arthur J. Gallagher & Co.					
Insurance Administrative & Broker Services	$250,000.00	$150,000.00	0%	$100,000.00	
Primary Insurance of $25,000,000	$265,000.00	$0.00	0%	$265,000.00	
Excess Insurance of $25,000,000	$130,000.00	$0.00	0%	$130,000.00	
Liberty Mutual Insurance Company					
OCIP Premiums	$1,479,523.00	$0.00	100%	$1,479,523.00	
Workmen's Compensation Premium	$25,000.00	$0.00	100%	$25,000.00	
OCIP Loss Fund	$412,500.00	$412,500.00	0%		
Other Expenses					
Information Systems - Computer equipment	$379.95	$0.00	100%	$379.95	
PSNH - West HS 3Phase High Voltage install	$5,000.00	$0.00	100%	$5,000.00	
Fernando Insurance - CHS Statue Insure	$7,500.00	$0.00	100%	$7,500.00	
Ropes & Gray - Consultant Services	$138,321.64	$0.00	100%	$138,321.64	
Albert Risk Management Consultants - OCIP	$2,176.50	$0.00	100%	$2,176.50	
Seacoast Diversified - West HS Strip lead paint	$4,920.00	$4,920.00	0%		
CED TwinState - Smyth,Jewett Light Fixtures	$2,519.30	$2,519.30	0%		
Building Permits	$840,000.00	$840,000.00	0%		
Program Management Services					
DMJM H&N	$3,000,000.00	$2,268,822.32	24%	$731,177.68	
Design & Construction Services					
Gilbane Building Company - Base Contract	$94,900,200.00	$77,557,330.09	18%	$17,342,869.91	$1,068,709.06
Contingency/JSBC Approved Expenses	**$5,650,000.00**				
Hazmat removal - JSBC 3/23/04 NTE Limit	$1,083,439.00				
		$0.00	0%	$0.00	
Contingency Authorized to Date	***$1,083,439.00***				
JSBC APPROVED CONTINGENCY BALANCE	**$4,566,561.00**				
UNENCUMBERED PROJECT FUNDS	**$2,465,398.61**				
ENCUMBERED/EXPENDED TOTAL	**$101,463,040.39**	**$81,236,091.71**		**$20,226,948.68**	
TOTAL	**$108,495,000.00**				

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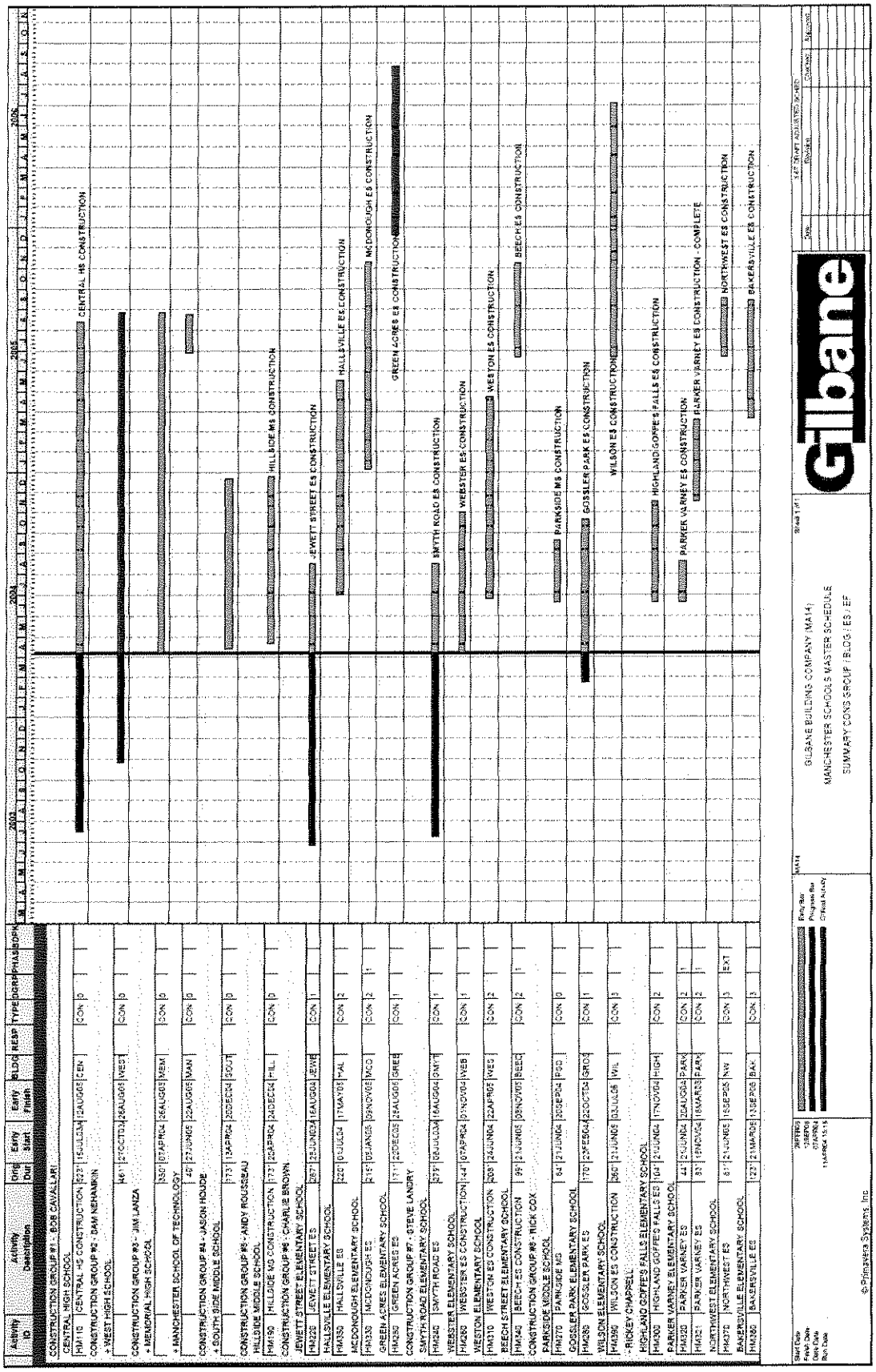
Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	BLDG	RESP	TYPE	DGR	PHASE	DPN
CONSTRUCTION GROUP #1 - BOB CAVALLARI										
CENTRAL HIGH SCHOOL										
HM110	CENTRAL HS CONSTRUCTION	527	15JUL03A	24AUG05	CEN		CON	0		
CONSTRUCTION GROUP #2 - DAN NEHAMKIN										
+ WEST HIGH SCHOOL										
CONSTRUCTION GROUP #3 - JIM LANZA		461	27OCT03A	26AUG05	WEST		CON	0		
+ MEMORIAL HIGH SCHOOL										
+ MANCHESTER SCHOOL OF TECHNOLOGY		350	07APR04	26AUG05	MEM		CON	0		
CONSTRUCTION GROUP #4 - JASON HOUDE		142	23JUN05	22AUG05	MAN		CON	0		
+ SOUTH SIDE MIDDLE SCHOOL										
CONSTRUCTION GROUP #5 - ANDY ROUSSEAU		173	13APR04	20DEC04	SOUT		CON	0		
HILLSIDE MIDDLE SCHOOL										
HM190	HILLSIDE MS CONSTRUCTION	173	20APR04	24DEC04	HIL		CON	0		
CONSTRUCTION GROUP #6 - CHARLIE BROWN										
JEWETT STREET ELEMENTARY SCHOOL										
HM220	JEWETT STREET ES	267	25JUN04	16AUG04	JEWE		CON	11		
HALLSVILLE ELEMENTARY SCHOOL										
HM330	HALLSVILLE ES	220	01JUL04	17MAY05	HAL		CON	2		
MCDONOUGH ELEMENTARY SCHOOL										
HM330	MCDONOUGH ES	218	05JAN05	09NOV05	MCD		CON	2	1	
GREEN ACRES ELEMENTARY SCHOOL										
HM230	GREEN ACRES ES	171	20DEC05	24AUG05	GREE		CON	1		
CONSTRUCTION GROUP #7 - STEVE LANDRY										
SMYTH ROAD ELEMENTARY SCHOOL										
HM240	SMYTH ROAD ES	279	26JUL03A	16AUG04	SMYT		CON	1		
WEBSTER ELEMENTARY SCHOOL										
HM280	WEBSTER ES CONSTRUCTION	244	07APR04	01NOV05	WEB		CON	1		
WESTON ELEMENTARY SCHOOL										
HM310	WESTON ES CONSTRUCTION	208	24JUN04	22APR05	WES		CON	2		
BEECH STREET ELEMENTARY SCHOOL										
HM340	BEECH ES CONSTRUCTION	99	24JUN05	08NOV05	BEEC		CON	2	1	
CONSTRUCTION GROUP #8 - NICK COX										
PARKSIDE MIDDLE SCHOOL										
HM370	PARKSIDE MS	64	21JUN04	20SEP04	PSD		CON	0		
GOSSLER PARK ELEMENTARY SCHOOL										
HM390	GOSSLER PARK ES	170	29FEB04	22OCT04	GRO		CON	1		
WILSON ELEMENTARY SCHOOL										
HM390	WILSON ES CONSTRUCTION	360	21JUN05	03JUL06	WIL		CON	3		
- RICKEY CHAPPELL										
HIGHLAND GOFFE'S FALLS ELEMENTARY SCHOOL										
HM300	HIGHLAND GOFFE'S FALLS ES	104	21JUN04	17NOV04	HIGH		CON	2		
PARKER VARNEY ELEMENTARY SCHOOL										
HM320	PARKER VARNEY ES	44	24JUN04	20AUG04	PARK		CON	2	1	
HM321	PARKER VARNEY ES	93	19NOV04	16MAR05	PARK		CON	2	1	
NORTHWEST ELEMENTARY SCHOOL										
HM370	NORTHWEST ES	81	24JUN05	15SEP05	NW		CON	3	EXT	
BAKERSVILLE ELEMENTARY SCHOOL										
HM380	BAKERSVILLE ES	127	21MAR05	13SEP05	BAK		CON	3		



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Gilbane
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Manchester, NH 03103
Telephone 603-644-3313
Telephone 603-644-3314
Facsimile 603-644-3375

April 23, 2004

Manchester Schools' Design Build Employment Committee
c/o Gilbane Building Company
220 South Jewett Street
Manchester, NH 03103

Reference: Manchester City-Wide Schools Project
Manchester, NH
Gilbane Project No. 11-3387-000
Manchester Resident Report – April, 2004

Dear Sirs/Madam:

Attached is our resident requirement report for the Manchester City-Wide Schools Project which includes reported data through 04/23/2004.

Page 1 includes monthly detail of subcontractors reported data. Please note that if any field is "blank", either the data is as yet unreported or the subcontractor has not yet begun work. Page 2 is a summary by subcontractor of their goals vs. actual performance with the overall job percentage totals reported at the bottom.

Should you have any questions regarding this submittal, please do not hesitate to contact me at 603-644-3313 ext. 209.

Regards,

Robert N. Richer
Project Accountant

Enclosures

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Manchester City-Wide Schools Project - Gilbane Job #11-3387-000

*Reported Residency Data

As of April 23, 2004

Total Hours vs. Manchester Resident Hours

	Jul-03 Thru Feb-04 Resident Hrs.	Jul-03 Thru Feb-04 Total Hours	Mar-04 Resident Hours	Mar-04 Total Hours	Apr-04 Resident Hours	Apr-04 Total Hours	May-04 Resident Hours	May-04 Total Hours	Jun-04 Resident Hours	Jun-04 Total Hours	Jul-04 Resident Hours	Jul-04 Total Hours	Aug-04 Resident Hours	Aug-04 Total Hours	Sep-04 Resident Hours	Sep-04 Total Hours	To Date Resident Hours	To Date Total Hours
Hayward Baker	69.50	1,514.00															69.50	1,514.00
Francis Harvey & Sons	2,502.50	10,472.00	547.00	3,664.50	45.00	347.00											3,094.50	14,483.50
HCI Craftsmen	20.50	27.50															20.50	27.50
Hampshire Fire Protection	290.00	1,020.00	166.50	2,540.70													456.50	3,560.70
Interstate Electric	750.50	3,677.00	1,241.00	5,470.00													1,991.50	9,147.00
ACT Abatement	0.00	855.00	0.00	4.00													0.00	859.00
A & E Flooring	190.00	965.50															190.00	965.50
Essex Newbury & Sub	0.00	971.50															0.00	971.50
George R. Cairns & Subs.	572.00	5,382.00	0.00	868.00													572.00	6,250.00
C.P. Blouin	80.00	210.50	60.00	505.00	111.50	259.50											251.50	975.00
Consolidated Electric	478.00	3,860.50	120.00	1,620.00													598.00	5,480.50
American Steele	0.00	75.50	0.00	75.50													0.00	151.00
Iaccarino & Sons	0.00	71.00	0.00	0.00													0.00	71.00
Northern Plaster Works																	0.00	0.00
Francis H. Maroney	0.00	684.00	590.00	2,542.00	40.00	160.00											630.00	3,386.00
Johnson Controls, Inc.			48.00	48.00													48.00	48.00
Youngblood Co., Inc.	36.00	52.00	220.00	460.00													256.00	512.00
Novel Iron Works, Inc.	0.00	3,090.50	0.00	2,915.50													0.00	6,006.00
Northeast Masonry, Inc.	48.00	789.50	81.50	756.50													129.50	1,546.00
King Painting	0.00	700.00			0.00	160.00											0.00	860.00
Premier Caulking	62.50	123.50															62.50	123.50
Kel Rick Construction			0.00	180.00													0.00	180.00
Skyline Roofing	217.50	298.00	59.00	104.00													276.50	402.00
New Hampshire Glass	80.00	174.00	0.00	37.00													80.00	211.00
Stateline Acoustical Ceilings	0.00	23.00															0.00	23.00
Chamberlain Companies, Inc.																	0.00	0.00
Pine State Elevator																	0.00	0.00
Hate to Paint/Stain?			79.00	79.00													79.00	79.00
Dec-Tam Corporation																	0.00	0.00
Twin Brooks Environmental																	0.00	0.00
Major Theatre Equipment																	0.00	0.00
Air Quality Experts, Inc.																	0.00	0.00
ABC Flooring Specialists																	0.00	0.00
Monthly Totals	**5,397.00**	**35,036.50**	**3,212.00**	**21,869.70**	**196.50**	**926.50**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**8,805.50**	**57,832.70**
Total Manchester Hrs.	**8,805.50**																	
Total Labor Hours	**57,832.70**																	
% of Manchester Hours	***15.23%***																	

** Blank Field Equals No Data Reported That Month*

Highlighted Subcontractors are Closed Out

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Manchester City-Wide Schools Project - Gilbane Job #11-3387-000

Goals Vs. Actual Percentage Schedule Of Reported Hours

As of April 23, 2004

	CUMULATIVE MANCHESTER HRS	CUMULATIVE TOTAL HOURS	GOAL PERCENTAGE MANCHESTER HOURS	ACTUAL PERCENTAGE MANCHESTER HOURS
Hayward Baker	69.50	1,514.00	5.00%	4.59%
Francis Harvey & Sons	3,094.50	14,483.50	15.00%	21.37%
HCI Craftsmen	20.50	27.50	50.00%	74.55%
Hampshire Fire Protection	456.50	3,560.70	10.00%	12.82%
Interstate Electric	1,991.50	9,147.00	5.00%	21.77%
ACT Abatement	0.00	859.00	0.00%	0.00%
A & E Flooring	190.00	965.50	2.00%	19.68%
Essex Newbury	0.00	971.50	0.00%	0.00%
George R. Cairns	572.00	6,250.00	5.00%	9.15%
C.P. Blouin	251.50	975.00	20.00%	25.79%
Consolidated Electric	598.00	5,480.50	5.00%	10.91%
American Steele	0.00	151.00	0.00%	0.00%
Iaccarino & Sons	0.00	71.00	0.00%	0.00%
Northern Plaster Works	0.00	0.00	0.00%	
Francis H. Maroney	630.00	3,386.00	15.00%	18.61%
Johnson Controls, Inc.	48.00	48.00	50.00%	100.00%
Youngblood Co., Inc.	256.00	512.00	15.00%	50.00%
Novel Iron Works, Inc.	0.00	6,006.00	0.00%	0.00%
Northeast Masonry	129.50	1,546.00	5.00%	8.38%
King Painting	0.00	860.00	10.00%	0.00%
Premier Caulking	62.50	123.50	0.00%	50.61%
Kel-Rick Construction	0.00	180.00	5.00%	0.00%
Skyline Roofing	276.50	402.00	10.00%	68.78%
New Hampshire Glass	80.00	211.00	15.00%	37.91%
Stateline Acoustical Ceilings	0.00	23.00	0.00%	0.00%
Chamberlain Companies	0.00	0.00	5.00%	
Pine State Elevator	0.00	0.00	0.00%	
Hate to Paint/Stain?	79.00	79.00	80.00%	100.00%
Dec-Tam Corporation	0.00	0.00	0.00%	
Twin Brooks Environmental	0.00	0.00	0.00%	
Major Theatre Equipment, Inc.	0.00	0.00	0.00%	
Air Quality Experts, Inc.	0.00	0.00	0.00%	
ABC Flooring Specialists	0.00	0.00	10.00%	
TOTALS	8,805.50	57,832.70		
OVERALL PERCENTAGE	15.23%			

CONSTRUCTION CHANGE AUTHORIZATION

Gilbane

PROJECT NAME:	South Side Middle School	**GILBANE PROJECT NO:**	113387210
OWNER:	City of Manchester Dept of Public Works	**CCA NO:**	210012
ADDRESS:	227 Maple Street Manchester , NH 03103	**DATE OF ISSUANCE:**	3/18/04
ARCHITECT:	Lavallee/Brensinger Architects	**ORIGINATOR:**	Gilbane

MAR 19 2004

In order to expedite the work and avoid delays in the Work which will affect Contract Sum and/or Contract Time, the Contract Documents are hereby amended to include the additional Work described below, which is beyond the current scope of the Work.

Upon Owner approval, Gilbane will proceed with the Work promptly.

Costs as incurred are in addition to the current contract Sum and will be invoiced and paid on a monthly basis and identified as separate items within the requisition. Final cost of the Work involved and change in Sum and Time (if any) will be submitted for inclusion in a final Change Order adjusting the Contract Sum and/or Time.

DEFINITION:

This Change Request is to track all costs associated with the addition of new Bathrooms and a new Stairway in the new addition at Southside Middle School, due to not having the proper egress capacity with the existing Stairways.

PLEASE NOTE: This CCA represents Gilbane's internal estimate and budget pricing from some of our Partners. This is an Order of Magnitude estimate, final costs will be available when the IFC Drawings are issued to all Trade Contractors and Buyout is complete.

ATTACHMENTS: GILBANE INTERNAL ESTIMATE

The following information is provided by Gilbane Building Company.

Method of determining change in Contract:

☐ Guaranteed Maximum Price ☐ Cost Plus Fee ☐ Unit Price ☐ Lump Sum ☒ Other **ORDER OF MAGNITUDE**

Change In Contract Sum

Amount: 190,175.00

☐ Fixed ☐ Maximum
☒ Estimated ☐ Time and Material

Change In Contract time

Time(Days): 0

☐ Fixed ☐ Maximum
☒ Estimated

CR No.	Description	Cost Code	Contractor	Amount
210012	Demolition-New	20202000		6,820.00-
	Concrete Slabs-New	20303300		2,836.00
	Masonry-New	20404000		77,817.00
	Structural Steel-New	20505200	Novel Iron Works Inc	25,000.00
	Misc. Metals	20505200	Novel Iron Works Inc	6,187.00
	Roofing-New	20707300	Skyline Roofing Inc	300.00
	Doors & Hardware-New	20808700	HCI/Craftsmen	21,375.00
	Drywall-New	20909250		19,653.00-
	Tile Flooring-New	20909300		19,115.00
	Resilient Flooring-New	20909600		3,604.00
	Painting-New	20909900		3,340.00
	Signage	21010000		1,775.00
	Toilet Cubicles-New	21010800		577.00
	Plumbing-New	21515000	Youngblood Co Inc	9,550.00
	Fire Protection-New	21515140		3,750.00
	Electrical-New	21616000		16,100.00
	Arch. & Eng. Fee	41718500	Lavallee/Brensinger Architects	4,900.00
	MEP Engineering Fee	41719500	Shooshanian Engineering Inc	6,335.00
	Overhead/Fee	99999900	Gilbane	14,087.00
			CR # 210012 Total	190,175.00
			CCA Total	190,175.00

Owner: _____ Date: _____
City of Manchester Dept of Public Works

Gilbane: Kevin Foley Date: 3/19/04

Distribution: Owner, CR File, Gilbane, CCA File, Other

Manchester Schools

Manchester NH
Southside-New Addition-Stairs - ORDER OF MAGNITUDE ESTIMATE
Date: March 17, 2004

		ITEM DESCRIPTION	ITEM QUANTITY		UNIT PRICE	TOTAL	GENERAL NOTES
		Southside Middle School					
	Add	**Egress Stairs System @ Southside Middle**					
03300		P/F Metal Pan Stair Treads @ Stair-Ground to 2nd Floor (46 EA @ 5' x 1' x 0.25')	46.00	EA	$55	$2,530	Gilbane Estimate
03300		Add for 3000 PSI Concrete	2.55	CYD	$80.64	$206	Gilbane Estimate
03300		Add for Wire Mesh Reinforcement	276.00	SF	$0.85	$235	Gilbane Estimate
03300		P/F Metal Pan Mid-Level Landings @ Southside Stair (2 EA @ 11' x 7' x 0.34')	154.00	SF	$2.25	$347	Gilbane Estimate
03300		Add for 3000 PSI Concrete	2.13	CYD	$80.64	$172	Gilbane Estimate
03300		Add for Wire Mesh Reinforcement	184.00	SF	$0.75	$138	Gilbane Estimate
03300		P/F Metal Pan Floor-Level Landings @ Southside Stair (2 EA @ 11' x 7' x 0.34')	154.00	SF	$ 2.25	$347	Gilbane Estimate
03300		Add for 3000 PSI Concrete	2.13	CYD	$80.64	$172	Gilbane Estimate
03300		Add for Wire Mesh Reinforcement	184.00	SF	$0.75	$138	Gilbane Estimate
04200		8" CMU @ Stairs-Interior of Exterior Walls (35' x 13') x 3 Floors	1102.00	SF	$15.00	$16,530	Gilbane Estimate
04200		8" CMU @ Stairs-Interior Walls (35' x 13') x 3 Floors (minus doors)	1239.00	SF	$15.00	$18,585	Gilbane Estimate
04200		Add Material Premium for Bullnose Block @ Stair Doors (3 each @ 21 block per	63.00	Each	$3.50	$221	Gilbane Estimate
04200		Add Material Premium for Bullnose Block @ Egress Door (1 each @ 21 block p	21.00	Each	$3.50	$74	Gilbane Estimate
04200		Set-Grout New HM Door Frames at Stairs	3.00	Each	$125.00	$375	Gilbane Estimate
04200		Staging-Scaffolding for CMU Work	3580.00	SF	$1.50	$5,370	Gilbane Estimate
		Novel Budget for steel pan stairs fabrication and erection	1.00	LS	$25,000.00	$25,000	Novel Budgeting price
05100		Additional Pour Stop @ New Stairwell Openings (2 floors x 11 lf)	Novel	LF			Novel Budgeting price
05500		New Metal Pan Stairs @ Hillside Addition-Ground to First Floor	Novel	Risers			Novel Budgeting price
05500		New Metal Pan Mid Level Landings @ Hillside Addition (6' x 14')	Novel	SF			Novel Budgeting price
05500		New Metal Pan Floor Level Landings @ Hillside Addition (9' x 14')	Novel	SF			Novel Budgeting price
05500		New Metal Pan Stairs @ Southside Addition-First to Second Floor	Novel	Risers			Novel Budgeting price
05500		New Metal Pan Mid Level Landings @ Hillside Addition (6' x 14')	Novel	SF			Novel Budgeting price
05500		New Metal Pan Mid Level Landings @ Hillside Addition (9' x 14')	Novel	SF			Novel Budgeting price
05500		Misc Metals Allowance	$1	LS	$5,000	$5,000	Gilbane Estimate
08100		HM 3' x 7' Fire Rated Interior Egress HM Door Frames at Stairs	6.00	Each	$200.00	$1,200	Gilbane Estimate
08200		SC 3' x 7' Rated Wood Door with Vision Lite @ Stairs	6.00	Each	$425.00	$2,550	Gilbane Estimate
08700		Hardware Requirements for 3' x 7' Fire Egress Doors (3 EA)					
08700		3 EA: Hinges	6.00	Pair	$85.00	$510	Gilbane Estimate
08700		1 EA: Exit Device	6.00	EA	$780.00	$4,680	Gilbane Estimate
08700		1 EA: Kick Plate	6.00	EA	$45.00	$270	Gilbane Estimate
08700		1 EA: Door Stop	6.00	EA	$12.00	$72	Gilbane Estimate
08700		1 EA: Closer	6.00	EA	$175.00	$1,050	Gilbane Estimate
08500		3'x7' Glass/Aluminum Egress Doors	1.00	Pair	$5,500.00	$5,500	Gilbane Estimate
09650		Rubber Treads @ New Stairs (42 each @ 5' x 1')	210.00	LF	$13.50	$2,835	Gilbane Estimate
09650		Rubber Risers @ New Stairs (46 each @ 5')	230.00	LF	$3.25	$748	Gilbane Estimate
09650		Rubber Flooring @ New Stair Landings	154.00	SF	$8.15	$1,255	Gilbane Estimate
09650		Add for Floor Prep at Landings (35% of area)	54.00	SF	$1.75	$95	Gilbane Estimate

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Manchester NH
Southside-New Addition-Stairs - ORDER OF MAGNITUDE ESTIMATE
Date: **March 17, 2004**

09900		Paint New HM Frames @ Stairs	6.00	Each	$125.00	$750	Gilbane Estimate
09900		Paint Metal Pan Stringers, Risers, Treads and Rails @ Stairs	2.00	Flght	$1,100.00	$2,200	Gilbane Estimate
10600		Room Name & Number Signs (13 characters)	3.00	Each	$74.25	$223	Gilbane Estimate
10600		Exit Signs, 2" lettering	4.00	Each	$66.00	$264	Gilbane Estimate
10600		Directional Signs to accesible means of egress	3.00	Each	$88.00	$264	Gilbane Estimate
15100		Additional Fire Protection required for Stairwell use	1.00	LS	$3,000.00	$3,000	Hampshire Fire Budget
15100		Add Hose Cabinet @ New Stairs	HFP	Each			Hampshire Fire Budget
15100		Add Vertical Standpipe with FD Connections @ Stairs (3 zones)	HFP	VLF			Hampshire Fire Budget
15500		Aditional Unit Heater in Stairwell Ground Floor	1.00	LS	$1,900.00	$1,900	Youngblood Budget
16000		Budget pricing from Interstate	1.00	LS	$5,000.00	$5,000	Interstate Budget
16000		Add for Fire Egress Exist Signs @ New Stairs	4.00	Each			Interstate Budget
16000		Add for Strobe and Audible Alarm @ New Stairs	3.00	Each			Interstate Budget
16000		Add for Additional Lighting in Egress Stairs	3.00	Each			Interstate Budget
16000		Add for Emergency Lighting at Stairs-Wall Pack	3.00	Each			Interstate Budget
	Deduct	**Scope not required due to addition of Egress Stairs**					
03300		Place/Finish 5" SOD @ 1st and 2nd Level (2 each @ 13' x 18')	(468.00)	SF	$0.75	($351)	Gilbane Estimate
		Add for 3000 PSI Concrete	(7.22)	CYD	$80.64	($582)	Gilbane Estimate
		Add for Wire Mesh Reinforcement	(538.00)	SF	$0.39	($210)	Gilbane Estimate
		Add for Continuous Chair Supports @ 4' OC/EW	(468.00)	SF	$0.38	($178)	Gilbane Estimate
		Add for Cure/Seal	(468.00)	SF	$0.15	($70)	Gilbane Estimate
		Add for Pump Truck	(0.46)	Hours	$125.00	($58)	Gilbane Estimate
04200		8" CMU @ Classroom-Interior Walls (13' x 13') x 3 Floors (minus doors)	(507.00)	SF	$17.85	($9,050)	Gilbane Estimate
05500		Metal Decking @ Floor SOD	(468.00)	SF	$1.95	($913)	Gilbane Estimate
09650		VCT Flooring @ Ground, First and 2nd Floor Areas	(702.00)	SF	$1.14	($800)	Gilbane Estimate
		SUB-TOTAL OF ADDS AND DEDUCTS FOR TRADE COST				$97,590.20	
		MEP Design Fees for Scope Change	TBD			**$0**	**Fees associated with Redesign to be Determined**
		Architectural Design Fees for Scope Change	TBD			**$0**	**Fees associated with Redesign to be Determined**
		TOTAL				$97,590.20	

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Southside Bathroom Changes - ORDER OF MAGNITUDE ESTIMATE
Date: March 17, 2004

		ITEM DESCRIPTION	ITEM QUANTITY		UNIT PRICE	TOTAL	GENERAL NOTES
		Southside Middle School					
	Add	**Unisex HC Accessable Bathrooms at New Addition**					
04200		6" CMU @ Bathroom Chase (17' x13') x 3 Floors	663.00	SF	$10.25	$6,796	Gilbane Estimate
04200		8" CMU @ Bathroom (64' x 13') Ground Flr-Minus Drs	769.00	SF	$15.00	$11,535	Gilbane Estimate
04200		8" CMU @ Bathroom (72' x 13') 2 Flrs-Minus Drs	1746.00	SF	$15.00	$26,190	Gilbane Estimate
04200		Material Premium for Bullnose Block @ Stair Doors (6 each @ 21 block per o	126.00	Each	$3.50	$441	Gilbane Estimate
04200		Set-Grout New HM Door Frames at Stairs	6.00	Each	$125.00	$750	Gilbane Estimate
05500		Misc Metal Roof Frame and New Roof Mounted Exhaust Fan	1.00	Each	$2,100.00	$2,100	Gilbane Estimate
07400		Roofing-Additional Flashing at Roof Top Exhaust Fan	1.00	Each	$300.00	$300	Gilbane Estimate
08100		Welded HM 3'x7' Frame @ Unisex Toilets	6.00	Each	$180.00	$1,080	Gilbane Estimate
08200		3'x7' 1-3/4" Flush Wood Non Rated Door @ Unisex Toilets-Prefinished and Pr	6.00	Each	$350.00	$2,100	Gilbane Estimate
08700		Hardware Requirements for 3' x 7' Toilet Room Doors (6 EA)					
08700		3 EA: Hinges	4.50	Pair	$46.50	$209	Gilbane Estimate
08700		1 EA: Silencer	6.00	EA	$2.00	$12	Gilbane Estimate
08700		1 EA: Privacy Lockset	6.00	EA	$175.00	$1,050	Gilbane Estimate
08700		1 EA: Kick Plate	6.00	EA	$45.00	$270	Gilbane Estimate
08700		1 EA: Door Stops	6.00	EA	$12.00	$72	Gilbane Estimate
08700		1 EA: Closer	6.00	EA	$125.00	$750	Gilbane Estimate
09300		Ceramic Floor Tile @ Unisex Toilet Rooms	620.00	SF	$7.25	$4,495	Gilbane Estimate
09300		Ceramic Tile to 6' AFF	1380.00	SF	$8.25	$11,385	Gilbane Estimate
09300		Ceramic Cove Base	230.00	LF	$7.75	$1,783	Gilbane Estimate
09300		Marble Threshold	6.00	Each	$50.00	$300	Gilbane Estimate
09300		Waterproof Membrane @ 1st and 2nd Floors	256.00	SF	$4.50	$1,152	Gilbane Estimate
09900		Paint New HM Door Frame @ Unisex Bathrooms	6.00	Each	$65.00	$390	Gilbane Estimate
10600		HC Accessable Signage at New Unisex Toilet Rooms	6.00	Sets			
10600		Room Name & Number Signs (13 characters)	6.00	Each	$74.25	$446	Gilbane Estimate
10600		Room Name Signs, "Restroom"	6.00	Each	$56.80	$341	Gilbane Estimate
10600		H/C Symbol	6.00	Each	$39.45	$237	Gilbane Estimate
10800		Toilet Accessories @ New Unisex Toilet Room					
10800		Grab Bars	12.00	Each	$121.25	$1,455	Gilbane Estimate
10800		Soap Dispenser, Surface-mounted	6.00	Each	$63.05	$378	Gilbane Estimate
10800		Stainless Steel Mirror, 18" x 36" Flush-mounted	6.00	Each	$169.75	$1,019	Gilbane Estimate
10800		Electric Handryer	6.00	Each	$550.00	$3,300	Gilbane Estimate
10800		Installation of owner supplied accessories	12.00	Each	$40.00	$480	Gilbane Estimate
		Teachers (Mens and Women) Toilet Rooms					**Adjustements for Eliminating HC Requirements @ Existing Bathrooms**
10800		Provide Regular Toilet Partitions-Adjusted for Current Scope of work	3.00	Each	$725.00	$2,175	Gilbane Estimate
10800		Provide Urinal Screens-Adjusted for Current Scope of Work	2.00	Each	$170.00	$340	Gilbane Estimate
10800		Provide New TP Dispensers-Adjsuted for Current Scope	3.00	Each	$63.05	$189	Gilbane Estimate

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Southside Bathroom Changes - ORDER OF MAGNITUDE ESTIMATE

Date: **March 17, 2004**

10800		Ground Floor Toilet Rooms Boys and Girls-2 cores each					**Adjustements for Eliminating HC Requirements @ Existing Bathrooms**
10800		Provide Regular Toilet Partitions-Adjusted for Current Scope of work	4.00	Each	$725.00	$2,900	Gilbane Estimate
10800		Provide Urinal Screens-Adjusted for Current Scope of Work	2.00	Each	$170.00	$340	Gilbane Estimate
10800		Provide New TP Dispensers-Adjsuted for Current Scope	4.00	Each	$63.05	$252	Gilbane Estimate
10800		First Floor Toilet Rooms-Boys and Girls-2 Cores Each					**Adjustements for Eliminating HC Requirements @ Existing Bathrooms**
		Provide HC Accessable Toilet Partitions	2.00	Each	$824.50	$1,649	**Replaces existing HC Stalls-Not Duplication**
10800		Provide Regular Toilet Partitions-Adjusted for Current Scope of work	4.00	Each	$725.00	$2,900	Gilbane Estimate
10800		Provide Urinal Screens-Adjusted for Current Scope of Work	2.00	Each	$170.00	$340	Gilbane Estimate
10800		Provide New TP Dispensers-Adjsuted for Current Scope	6.00	Each	$63.05	$378	Gilbane Estimate
		Second Floor Toilet Rooms-Boys and Girls-2 Cores Each					**Adjustements for Eliminating HC Requirements @ Existing Bathrooms**
10800		Provide Regular Toilet Partitions-Adjusted for Current Scope of work	4.00	Each	$725.00	$2,900	Gilbane Estimate
10800		Provide New TP Dispensers-Adjsuted for Current Scope	6.00	Each	$63.05	$378	Gilbane Estimate
		General Note: MEP-Scope of work required should be reviewed with LBPA & Shooshanian					
15100		Add One Additional Sprinkler Head at Unisex Bathrooms	6.00	Each	$125.00	$750	**Will Require Sub-Contractor Input-verify cost**
		Budget pricing based on plans for six restrooms	1.00	LS	$38,800.00	$38,800	**Youngblood**
15400		Add Floor Drain at Unisex Bathrooms	6.00	Each	Included	Included	**Youngblood**
15400		Add HC Watercloset to include roughins, hangers and water feeds	6.00	Each	Included	Included	**Youngblood**
15400		Add HC Accessable Lav-Wall Mounted to included rough and water feeds	6.00	Each	Included	Included	**Youngblood**
15400		Tie into sanitary for addition	1.00	LS	Included	Included	**Youngblood**
15500		Add Bathroom Exhaust to include ductwork	6.00	Each	$850.00	$5,100	**Will Require Sub-Contractor Input-verify cost**
16000		Add for Single Pole Light Switch	6.00	Each	$125.00	$750	**Will Require Sub-Contractor Input-verify cost**
16000		Add for Lighting Fixtures to include wiring	6.00	Each	$250.00	$1,500	**Will Require Sub-Contractor Input-verify cost**
16000		Add for Power Wirings of new Exhaust Fans	2.00	Each	$1,800.00	$3,600	**Will Require Sub-Contractor Input-verify cost**
16000		Add for Power Wiring of New Electric Handryer	6.00	Each	$125.00	$750	**Will Require Sub-Contractor Input-verify cost**
16000		Add for Emergency Light Packs at Bathrooms	6.00	Each	$750.00	$4,500	**Will Require Sub-Contractor Input-verify cost**
	Deduct	**Credit Scope not required due to revised HC Toilet Locations**					
09650		VCT Flooring @ Ground, First and 2nd Floor Areas @ New Addition	(462.00)	SF	$1.14	($527)	Gilbane Estimate
15400		Deduct from Youngbloods original scope of work	1.00	LS	-$37,000.00	($37,000)	
		Teachers (Mens and Women) Toilet Rooms					
10800		Deduct HC Accessable Toilet Partitions	(4.00)	Each	$824.50	($3,298)	Gilbane Estimate
15400		Deduct forr HC Accessable Toilet	(4.00)	Each	Included	Included	**Youngblood**
15400		Deduct for HC Accessable Lavs	(4.00)	Each	Included	Included	**Youngblood**
15400		Deduct for HC Accessable Urinal	(2.00)	Each	Included	Included	**Youngblood**
02100		Deduct for Demo of Existing Walls for New Plumbing @ Toilets (4 @ 6'x10')	(240.00)	SF	$5.33	($1,279)	Gilbane Estimate
02100		Deduct for Demo of Existing Walls for New Plumbing @ Lavs (4 @ 4'x4')	(64.00)	SF	$5.33	($341)	Gilbane Estimate
02100		Deduct Demo Existing Walls for New Plumbing @ Urinals (2 @ 2' x 4')	(16.00)	SF	$5.33	($85)	Gilbane Estimate
04-093		Deduct for Patching of Existing Walls @ New Plumbing Toilets	(240.00)	SF	$14.06	($3,374)	Gilbane Estimate
04-093		Deduct for Patching of Existing Walls @ New Plumbing Lavs	(64.00)	SF	$14.06	($900)	Gilbane Estimate

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Southside Bathroom Changes - ORDER OF MAGNITUDE ESTIMATE

Date: **March 17, 2004**

04-093	Deduct for Patching of Existing Walls @ New Urinals	(32.00)	SF	$14.06	($450)	Gilbane Estimate
10800	Deduct New Soap Dispensers @ HC Accessable Lavs	(4.00)	Each	$63.05	($252)	Gilbane Estimate
10800	Deduct New Mirror @ HC Accessable Lavs	(4.00)	Each	$169.75	($679)	Gilbane Estimate
10800	Deduct New HC Rails @ HC Toilets	(8.00)	Each	$121.25	($970)	Gilbane Estimate
	Ground Floor Toilet Rooms Boys and Girls-2 cores each					
10800	Deduct HC Accessable Toilet Partitions	(4.00)	Each	$824.50	($3,298)	Gilbane Estimate
15400	Deduct for HC Accessable Toilet	(4.00)	Each	Included	Included	**Youngblood**
15400	Deduct for HC Accessable Lavs	(4.00)	Each	Included	Included	**Youngblood**
15400	Deduct for HC Accessable Urinal	(2.00)	Each	Included	Included	**Youngblood**
02100	Deduct for Demo of Existing Walls for New Plumbing @ Toilets (4 @ 6'x10')	(240.00)	SF	$5.33	($1,279)	Gilbane Estimate
02100	Deduct for Demo of Existing Walls for New Plumbing @ Lavs (4 @ 4'x4')	(64.00)	SF	$5.33	($341)	Gilbane Estimate
02100	Deduct Demo Existing Walls for New Plumbing @ Urinals (2 @ 2' x 4')	(16.00)	SF	$5.33	($85)	Gilbane Estimate
04-093	Deduct for Patching of Existing Walls @ New Plumbing Toilets	(240.00)	SF	$14.06	($3,374)	Gilbane Estimate
04-093	Deduct for Patching of Existing Walls @ New Plumbing Lavs	(64.00)	SF	$14.06	($900)	Gilbane Estimate
04-093	Deduct for Patching of Existing Walls @ New Urinals	(32.00)	SF	$14.06	($450)	Gilbane Estimate
10800	Deduct For New Soap Dispensers @ HC Accessable Lavs	(4.00)	Each	$63.05	($252)	Gilbane Estimate
10800	Deduct for New Mirror @ HC Accessable Lavs	(4.00)	Each	$169.75	($679)	Gilbane Estimate
10800	Deduct for New HC Rails @ HC Toilets	(8.00)	Each	$121.25	($970)	Gilbane Estimate
	First Floor Toilet Rooms-Boys and Girls-2 Cores Each					
10800	Deduct for HC Accessable Toilet Partitions	(4.00)	Each	$824.50	($3,298)	Gilbane Estimate
15400	Deduct for HC Accessable Toilet	(4.00)	Each	Included	Included	**Youngblood**
15400	Deduct for HC Accessable Lavs	(4.00)	Each	Included	Included	**Youngblood**
15400	Deduct for HC Accessable Urinal	(2.00)	Each	Included	Included	**Youngblood**
02100	Deduct for Demo of Existing Walls for New Plumbing @ Toilets (4 @ 6'x10')	(240.00)	SF	$5.33	($1,279)	Gilbane Estimate
02100	Deduct for Demo of Existing Walls for New Plumbing @ Lavs (4 @ 4'x4')	(64.00)	SF	$5.33	($341)	Gilbane Estimate
02100	Deduct Demo Existing Walls for New Plumbing @ Urinals (2 @ 2' x 4')	(16.00)	SF	$5.33	($85)	Gilbane Estimate
04-093	Deduct for Patching of Existing Walls @ New Plumbing Toilets	(240.00)	SF	$14.06	($3,374)	Gilbane Estimate
04-093	Deduct for Patching of Existing Walls @ New Plumbing Lavs	(64.00)	SF	$14.06	($900)	Gilbane Estimate
04-093	Deduct for Patching of Existing Walls @ New Urinals	(32.00)	SF	$14.06	($450)	Gilbane Estimate
10800	Deduct For New Soap Dispensers @ HC Accessable Lavs	(4.00)	Each	$63.05	($252)	Gilbane Estimate
10800	Deduct for New Mirror @ HC Accessable Lavs	(4.00)	Each	$169.75	($679)	Gilbane Estimate
10800	Deduct for New HC Rails @ HC Toilets	(8.00)	Each	$121.25	($970)	Gilbane Estimate
	Second Floor Toilet Rooms-Boys and Girls-2 Cores Each					
10800	Deduct for HC Accessable Toilet Partitions	(4.00)	Each	$824.50	($3,298)	Gilbane Estimate
15400	Deduct for HC Accessable Toilet	(4.00)	Each	Included	Included	**Youngblood**
15400	Deduct for HC Accessable Lavs	(4.00)	Each	Included	Included	**Youngblood**
15400	Deduct for HC Accessable Urinal	(2.00)	Each	Included	Included	**Youngblood**
02100	Deduct for Demo of Existing Walls for New Plumbing @ Toilets (4 @ 6'x10')	(240.00)	SF	$5.33	($1,279)	Gilbane Estimate
02100	Deduct for Demo of Existing Walls for New Plumbing @ Lavs (4 @ 4'x4')	(64.00)	SF	$5.33	($341)	Gilbane Estimate
02100	Deduct Demo Existing Walls for New Plumbing @ Urinals (2 @ 2' x 4')	(16.00)	SF	$5.33	($85)	Gilbane Estimate
04-093	Deduct for Patching of Existing Walls @ New Plumbing Toilets	(240.00)	SF	$14.06	($3,374)	Gilbane Estimate
04-093	Deduct for Patching of Existing Walls @ New Plumbing Lavs	(64.00)	SF	$14.06	($900)	Gilbane Estimate
04-093	Deduct for Patching of Existing Walls @ New Urinals	(32.00)	SF	$14.06	($450)	Gilbane Estimate
10800	Deduct For New Soap Dispensers @ HC Accessable Lavs	(4.00)	Each	$63.05	($252)	Gilbane Estimate
10800	Deduct for New Mirror @ HC Accessable Lavs	(4.00)	Each	$169.75	($679)	Gilbane Estimate
10800	Deduct for New HC Rails @ HC Toilets	(8.00)	Each	$121.25	($970)	Gilbane Estimate

Manchester Schools

Manchester NH
Southside Bathroom Changes - ORDER OF MAGNITUDE ESTIMATE
Date: March 17, 2004

		SUB-TOTAL OF ADDS AND DEDUCTS FOR TRADE COST				$67,263.73	
		MEP Design Fees for Scope Change	TBD			$0	Fees associated with Redesign to be Determined
		Architectural Design Fees for Scope Change	TBD			$0	Fees associated with Redesign to be Determined
		TOTAL				$67,263.73	

CONSTRUCTION CHANGE AUTHORIZATION

Gilbane

PROJECT NAME:	Hillside Middle School	**GILBANE PROJECT NO:**	113387200
OWNER:	City of Manchester Dept of Public Works	**CCA NO:**	200012
ADDRESS:	227 Maple Street Manchester , NH 03103	**DATE OF ISSUANCE:**	3/18/04
		ORIGINATOR:	Gilbane
ARCHITECT:	Lavallee/Brensinger Architects		

In order to expedite the work and avoid delays in the Work which will affect Contract Sum and/or Contract Time, the Contract Documents are hereby amended to include the additional Work described below, which is beyond the current scope of the Work.

Upon Owner approval, Gilbane will proceed with the Work promptly.

Costs as incurred are in addition to the current contract Sum and will be invoiced and paid on a monthly basis and identified as separate items within the requisition. Final cost of the Work involved and change in Sum and Time (if any) will be submitted for inclusion in a final Change Order adjusting the Contract Sum and/or Time.

DEFINITION:

This Change Request is to track all costs associated with the addition of new Bathrooms and a new Stairway in the new addition at Hillside Middle School, due to not having the proper egress capacity with the existing Stairways.

PLEASE NOTE: This CCA represents Gilbane's internal estimate and budget pricing from some of our Partners. This is an Order of Magnitude estimate, final costs will be available when the IFC Drawings are issued to all Trade Contractors and Buyout is complete.

ATTACHMENTS: **GILBANE INTERNAL ESTIMATE**

The following information is provided by Gilbane Building Company.

Method of determining change in Contract:

☐ Guaranteed Maximum Price ☐ Cost Plus Fee ☐ Unit Price ☐ Lump Sum ☒ Other **ORDER OF MAGNITUDE**

Change In Contract Sum

Amount: 190,931.00

☐ Fixed ☐ Maximum
☒ Estimated ☐ Time and Material

Change In Contract time

Time(Days): 0

☐ Fixed ☐ Maximum
☒ Estimated

CR No.	Description	Cost Code	Contractor	Amount
200012	Demolition-New	20202000		6,820.00-
	Concrete Slabs-New	20303300		2,836.00
	Masonry-New	20404000		77,817.00
	Structural Steel-New	20505200	Novel Iron Works Inc	25,000.00
	Misc. Metals-New	20505200	Novel Iron Works Inc	6,187.00
	Roofing-New	20707300	Skyline Roofing Inc	300.00
	Doors & Hardware-New	20808700	HCI/Craftsmen	21,375.00
	Drywall-New	20909250		19,653.00-
	Tile Flooring-New	20909300		19,115.00
	Resilient Flooring-New	20909600		3,604.00
	Painting-New	20909900		3,340.00
	Signage	21010000		1,775.00
	Toilet Cubicles-New	21010800		577.00
	Plumbing-New	21515000	Youngblood Co Inc	9,550.00
	Fire Protection-New	21515140		3,750.00
	Electrical-New	21616000		16,100.00
	Arch. & Eng. Fee	41718500	Lavallee/Brensinger Architects	5,600.00
	MEP Engineering Fee	41719500	Shooshanian Engineering Inc	6,335.00
	Overhead/Fee	99999900	Gilbane	14,143.00
			CR # 200012 Total	190,931.00
			CCA Total	190,931.00

Owner: _____ Date: _____
City of Manchester Dept of Public Works

Gilbane: Keri Haley Date: 3/19/04

Distribution: Owner, CR File, Gilbane, CCA File, Other

Manchester Schools

Manchester NH

Hillside New Addition-Stairs - ORDER OF MAGNITUDE ESTIMATE
Date: March 17, 2004

		ITEM DESCRIPTION	ITEM QUANTITY		UNIT PRICE	TOTAL	GENERAL NOTES
		Hillside Middle School					
	Add	**Egress Stairs System @ Hillside Middle**					
03300		P/F Metal Pan Stair Treads @ Stair-Ground to 2nd Floor (46 EA @ 5' x 1' x 0.25')	46.00	EA	$55	$2,530	Gilbane Estimate
03300		Add for 3000 PSI Concrete	2.55	CYD	$80.64	$206	Gilbane Estimate
03300		Add for Wire Mesh Reinforcement	276.00	SF	$0.85	$235	Gilbane Estimate
03300		P/F Metal Pan Mid-Level Landings @ Hillside Stair (2 EA @ 11' x 7' x 0.34')	154.00	SF	$2.25	$347	Gilbane Estimate
03300		Add for 3000 PSI Concrete	2.13	CYD	$80.64	$172	Gilbane Estimate
03300		Add for Wire Mesh Reinforcement	184.00	SF	$0.75	$138	Gilbane Estimate
03300		P/F Metal Pan Floor-Level Landings @ Hillside Stair (2 EA @ 11' x 7' x 0.34')	154.00	SF	$ 2.25	$347	Gilbane Estimate
03300		Add for 3000 PSI Concrete	2.13	CYD	$80.64	$172	Gilbane Estimate
03300		Add for Wire Mesh Reinforcement	184.00	SF	$0.75	$138	Gilbane Estimate
04200		8" CMU @ Stairs-Interior of Exterior Walls (35' x 13') x 3 Floors	1102.00	SF	$15.00	$16,530	Gilbane Estimate
04200		8" CMU @ Stairs-Interior Walls (35' x 13') x 3 Floors (minus doors)	1239.00	SF	$15.00	$18,585	Gilbane Estimate
04200		Add Material Premium for Bullnose Block @ Stair Doors (3 each @ 21 block per opening)	63.00	Each	$3.50	$221	Gilbane Estimate
04200		Add Material Premium for Bullnose Block @ Egress Door (1 each @ 21 block per opening	21.00	Each	$3.50	$74	Gilbane Estimate
04200		Set-Grout New HM Door Frames at Stairs	3.00	Each	$125.00	$375	Gilbane Estimate
04200		Staging-Scaffolding for CMU Work	3580.00	SF	$1.50	$5,370	Gilbane Estimate
		Novel Budget for steel pan stairs fabrication and erection	1.00	LS	$25,000.00	$25,000	Novel Budgeting price
05100		Additional Pour Stop @ New Stairwell Openings (2 floors x 11 lf)	Novel	LF			Novel Budgeting price
05500		New Metal Pan Stairs @ Hillside Addition-Ground to First Floor	Novel	Risers			Novel Budgeting price
05500		New Metal Pan Mid Level Landings @ Hillside Addition (6' x 14')	Novel	SF			Novel Budgeting price
05500		New Metal Pan Floor Level Landings @ Hillside Addition (9' x 14')	Novel	SF			Novel Budgeting price
05500		New Metal Pan Stairs @ Hillside Addition-First to Second Floor	Novel	Risers			Novel Budgeting price
05500		New Metal Pan Mid Level Landings @ Hillside Addition (6' x 14')	Novel	SF			Novel Budgeting price
05500		New Metal Pan Mid Level Landings @ Hillside Addition (9' x 14')	Novel	SF			Novel Budgeting price
05500		Misc Metals Allowance	$1	LS	$5,000	$5,000	Gilbane Estimate
08100		HM 3' x 7' Fire Rated Interior Egress HM Door Frames at Stairs	6.00	Each	$200.00	$1,200	Gilbane Estimate
08200		SC 3' x 7' Rated Wood Door with Vision Lite @ Stairs	6.00	Each	$425.00	$2,550	Gilbane Estimate
08700		Hardware Requirements for 3' x 7' Fire Egress Doors (3 EA)					
08700		3 EA: Hinges	6.00	Pair	$85.00	$510	Gilbane Estimate
08700		1 EA: Exit Device	6.00	EA	$780.00	$4,680	Gilbane Estimate
08700		1 EA: Kick Plate	6.00	EA	$45.00	$270	Gilbane Estimate
08700		1 EA: Door Stop	6.00	EA	$12.00	$72	Gilbane Estimate
08700		1 EA: Closer	6.00	EA	$175.00	$1,050	Gilbane Estimate
08500		3'x7' Glass/Aluminum Egress Doors	1.00	Pair	$5,500.00	$5,500	Gilbane Estimate
09650		Rubber Treads @ New Stairs (42 each @ 5' x 1')	210.00	LF	$13.50	$2,835	Gilbane Estimate
09650		Rubber Risers @ New Stairs (46 each @ 5')	230.00	LF	$3.25	$748	Gilbane Estimate
09650		Rubber Flooring @ New Stair Landings	154.00	SF	$8.15	$1,255	Gilbane Estimate
09650		Add for Floor Prep at Landings (35% of area)	54.00	SF	$1.75	$95	Gilbane Estimate
09900		Paint New HM Frames @ Stairs	6.00	Each	$125.00	$750	Gilbane Estimate

Manchester Schools

Manchester NH
Hillside Bathroom Changes - ORDER OF MAGNITUDE ESTIMATE
Date: March 17, 2004

		ITEM DESCRIPTION	ITEM QUANTITY		UNIT PRICE	TOTAL	GENERAL NOTES
		Hillside Middle School					
	Add	**Unisex HC Accessable Bathrooms at New Addition**					
04200		6" CMU @ Bathroom Chase (17' x13') x 3 Floors	663.00	SF	$10.25	$6,796	Gilbane Estimate
04200		8" CMU @ Bathroom (64' x 13') Ground Flr-Minus Drs	769.00	SF	$15.00	$11,535	Gilbane Estimate
04200		8" CMU @ Bathroom (72' x 13') 2 Flrs-Minus Drs	1746.00	SF	$15.00	$26,190	Gilbane Estimate
04200		Material Premium for Bullnose Block @ Stair Doors (6 each @ 21 block per o	126.00	Each	$3.50	$441	Gilbane Estimate
04200		Set-Grout New HM Door Frames at Stairs	6.00	Each	$125.00	$750	Gilbane Estimate
05500		Misc Metal Roof Frame and New Roof Mounted Exhaust Fan	1.00	Each	$2,100.00	$2,100	Gilbane Estimate
07400		Roofing-Additional Flashing at Roof Top Exhaust Fan	1.00	Each	$300.00	$300	Gilbane Estimate
08100		Welded HM 3'x7' Frame @ Unisex Toilets	6.00	Each	$180.00	$1,080	Gilbane Estimate
08200		3'x7' 1-3/4" Flush Wood Non Rated Door @ Unisex Toilets-Prefinished and Pr	6.00	Each	$350.00	$2,100	Gilbane Estimate
08700		Hardware Requirements for 3' x 7' Toilet Room Doors (6 EA)					
08700		3 EA: Hinges	4.50	Pair	$46.50	$209	Gilbane Estimate
08700		1 EA: Silencer	6.00	EA	$2.00	$12	Gilbane Estimate
08700		1 EA: Privacy Lockset	6.00	EA	$175.00	$1,050	Gilbane Estimate
08700		1 EA: Kick Plate	6.00	EA	$45.00	$270	Gilbane Estimate
08700		1 EA: Door Stops	6.00	EA	$12.00	$72	Gilbane Estimate
08700		1 EA: Closer	6.00	EA	$125.00	$750	Gilbane Estimate
09300		Ceramic Floor Tile @ Unisex Toilet Rooms	620.00	SF	$7.25	$4,495	Gilbane Estimate
09300		Ceramic Tile to 6' AFF	1380.00	SF	$8.25	$11,385	Gilbane Estimate
09300		Ceramic Cove Base	230.00	LF	$7.75	$1,783	Gilbane Estimate
09300		Marble Threshold	6.00	Each	$50.00	$300	Gilbane Estimate
09300		Waterproof Membrane @ 1st and 2nd Floors	256.00	SF	$4.50	$1,152	Gilbane Estimate
09900		Paint New HM Door Frame @ Unisex Bathrooms	6.00	Each	$65.00	$390	Gilbane Estimate
10600		HC Accessable Signage at New Unisex Toilet Rooms	6.00	Sets			
10600		Room Name & Number Signs (13 characters)	6.00	Each	$74.25	$446	Gilbane Estimate
10600		Room Name Signs, "Restroom"	6.00	Each	$56.80	$341	Gilbane Estimate
10600		H/C Symbol	6.00	Each	$39.45	$237	Gilbane Estimate
10800		Toilet Accessories @ New Unisex Toilet Room:					
10800		Grab Bars	12.00	Each	$121.25	$1,455	Gilbane Estimate
10800		Soap Dispenser, Surface-mounted	6.00	Each	$63.05	$378	Gilbane Estimate
10800		Stainless Steel Mirror, 18" x 36" Flush-mounted	6.00	Each	$169.75	$1,019	Gilbane Estimate
10800		Electric Handryer	6.00	Each	$550.00	$3,300	Gilbane Estimate
10800		Installation of owner supplied accessories	12.00	Each	$40.00	$480	Gilbane Estimate
		Teachers (Mens and Women) Toilet Rooms					**Adjustements for Eliminating HC Requirements @ Existing Bathrooms**
10800		Provide Regular Toilet Partitions-Adjusted for Current Scope of work	3.00	Each	$725.00	$2,175	Gilbane Estimate
10800		Provide Urinal Screens-Adjusted for Current Scope of Work	2.00	Each	$170.00	$340	Gilbane Estimate
10800		Provide New TP Dispensers-Adjsuted for Current Scope	3.00	Each	$63.05	$189	Gilbane Estimate

Manchester Schools

Manchester NH
Hillside Bathroom Changes - ORDER OF MAGNITUDE ESTIMATE
Date: March 17, 2004

							Adjustements for Eliminating HC Requirements
10800		Ground Floor Toilet Rooms Boys and Girls-2 cores each					**@ Existing Bathrooms**
10800		Provide Regular Toilet Partitions-Adjusted for Current Scope of work	4.00	Each	$725.00	$2,900	Gilbane Estimate
10800		Provide Urinal Screens-Adjusted for Current Scope of Work	2.00	Each	$170.00	$340	Gilbane Estimate
10800		Provide New TP Dispensers-Adjsuted for Current Scope	4.00	Each	$63.05	$252	Gilbane Estimate
							Adjustements for Eliminating HC Requirements
10800		First Floor Toilet Rooms-Boys and Girls-2 Cores Each					**@ Existing Bathrooms**
		Provide HC Accessable Toilet Partitions	2.00	Each	$824.50	$1,649	**Replaces existing HC Stalls-Not Duplication**
10800		Provide Regular Toilet Partitions-Adjusted for Current Scope of work	4.00	Each	$725.00	$2,900	Gilbane Estimate
10800		Provide Urinal Screens-Adjusted for Current Scope of Work	2.00	Each	$170.00	$340	Gilbane Estimate
10800		Provide New TP Dispensers-Adjsuted for Current Scope	6.00	Each	$63.05	$378	Gilbane Estimate
							Adjustements for Eliminating HC Requirements
		Second Floor Toilet Rooms-Boys and Girls-2 Cores Each					**@ Existing Bathrooms**
10800		Provide Regular Toilet Partitions-Adjusted for Current Scope of work	4.00	Each	$725.00	$2,900	Gilbane Estimate
10800		Provide New TP Dispensers-Adjsuted for Current Scope	6.00	Each	$63.05	$378	Gilbane Estimate
		General Note: MEP-Scope of work required should be reviewed with LBPA & Shooshanian					
15100		Add One Additional Sprinkler Head at Unisex Bathrooms	6.00	Each	$125.00	$750	**Will Require Sub-Contractor Input-verify cost**
		Budget pricing based on plans for six restrooms	1.00	LS	$38,800.00	$38,800	**Youngblood**
15400		Add Floor Drain at Unisex Bathrooms	6.00	Each	Included	Included	**Youngblood**
15400		Add HC Watercloset to include roughins, hangers and water feeds	6.00	Each	Included	Included	**Youngblood**
15400		Add HC Accessable Lav-Wall Mounted to included rough and water feeds	6.00	Each	Included	Included	**Youngblood**
15400		Tie into sanitary for addition	1.00	LS	Included	Included	**Youngblood**
15500		Add Bathroom Exhaust to include ductwork	6.00	Each	$850.00	$5,100	**Will Require Sub-Contractor Input-verify cost**
16000		Add for Single Pole Light Switch	6.00	Each	$125.00	$750	**Will Require Sub-Contractor Input-verify cost**
16000		Add for Lighting Fixtures to include wiring	6.00	Each	$250.00	$1,500	**Will Require Sub-Contractor Input-verify cost**
16000		Add for Power Wirings of new Exhaust Fans	2.00	Each	$1,800.00	$3,600	**Will Require Sub-Contractor Input-verify cost**
16000		Add for Power Wiring of New Electric Handryer	6.00	Each	$125.00	$750	**Will Require Sub-Contractor Input-verify cost**
16000		Add for Emergency Light Packs at Bathrooms	6.00	Each	$750.00	$4,500	**Will Require Sub-Contractor Input-verify cost**
	Deduct	**Credit Scope not required due to revised HC Toilet Locations**					
09650		VCT Flooring @ Ground, First and 2nd Floor Areas @ New Addition	(462.00)	SF	$1.14	($527)	Gilbane Estimate
15400		Deduct from Youngbloods original scope of work	1.00	LS	-$37,000.00	($37,000)	
		Teachers (Mens and Women) Toilet Rooms					
10800		Deduct HC Accessable Toilet Partitions	(4.00)	Each	$824.50	($3,298)	Gilbane Estimate
15400		Deduct forr HC Accessable Toilet	(4.00)	Each	Included	Included	**Youngblood**
15400		Deduct for HC Accessable Lavs	(4.00)	Each	Included	Included	**Youngblood**
15400		Deduct for HC Accessable Urinal	(2.00)	Each	Included	Included	**Youngblood**
02100		Deduct for Demo of Existing Walls for New Plumbing @ Toilets (4 @ 6'x10')	(240.00)	SF	$5.33	($1,279)	Gilbane Estimate
02100		Deduct for Demo of Existing Walls for New Plumbing @ Lavs (4 @ 4'x4')	(64.00)	SF	$5.33	($341)	Gilbane Estimate
02100		Deduct Demo Existing Walls for New Plumbing @ Urinals (2 @ 2' x 4')	(16.00)	SF	$5.33	($85)	Gilbane Estimate
04-093		Deduct for Patching of Existing Walls @ New Plumbing Toilets	(240.00)	SF	$14.06	($3,374)	Gilbane Estimate
04-093		Deduct for Patching of Existing Walls @ New Plumbing Lavs	(64.00)	SF	$14.06	($900)	Gilbane Estimate

Manchester Schools

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Hillside Bathroom Changes - ORDER OF MAGNITUDE ESTIMATE
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04-093		Deduct for Patching of Existing Walls @ New Urinals	(32.00)	SF	$14.06	($450)	Gilbane Estimate
10800		Deduct New Soap Dispensers @ HC Accessable Lavs	(4.00)	Each	$63.05	($252)	Gilbane Estimate
10800		Deduct New Mirror @ HC Accessable Lavs	(4.00)	Each	$169.75	($679)	Gilbane Estimate
10800		Deduct New HC Rails @ HC Toilets	(8.00)	Each	$121.25	($970)	Gilbane Estimate
		Ground Floor Toilet Rooms Boys and Girls-2 cores each					
10800		Deduct HC Accessable Toilet Partitions	(4.00)	Each	$824.50	($3,298)	Gilbane Estimate
15400		Deduct for HC Accessable Toilet	(4.00)	Each	Included	Included	**Youngblood**
15400		Deduct for HC Accessable Lavs	(4.00)	Each	Included	Included	**Youngblood**
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02100		Deduct for Demo of Existing Walls for New Plumbing @ Toilets (4 @ 6'x10')	(240.00)	SF	$5.33	($1,279)	Gilbane Estimate
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		First Floor Toilet Rooms-Boys and Girls-2 Cores Each					
10800		Deduct for HC Accessable Toilet Partitions	(4.00)	Each	$824.50	($3,298)	Gilbane Estimate
15400		Deduct for HC Accessable Toilet	(4.00)	Each	Included	Included	**Youngblood**
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02100		Deduct for Demo of Existing Walls for New Plumbing @ Toilets (4 @ 6'x10')	(240.00)	SF	$5.33	($1,279)	Gilbane Estimate
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10800		Deduct For New Soap Dispensers @ HC Accessable Lavs	(4.00)	Each	$63.05	($252)	Gilbane Estimate
10800		Deduct for New Mirror @ HC Accessable Lavs	(4.00)	Each	$169.75	($679)	Gilbane Estimate
10800		Deduct for New HC Rails @ HC Toilets	(8.00)	Each	$121.25	($970)	Gilbane Estimate
		Second Floor Toilet Rooms-Boys and Girls-2 Cores Each					
10800		Deduct for HC Accessable Toilet Partitions	(4.00)	Each	$824.50	($3,298)	Gilbane Estimate
15400		Deduct for HC Accessable Toilet	(4.00)	Each	Included	Included	**Youngblood**
15400		Deduct for HC Accessable Lavs	(4.00)	Each	Included	Included	**Youngblood**
15400		Deduct for HC Accessable Urinal	(2.00)	Each	Included	Included	**Youngblood**
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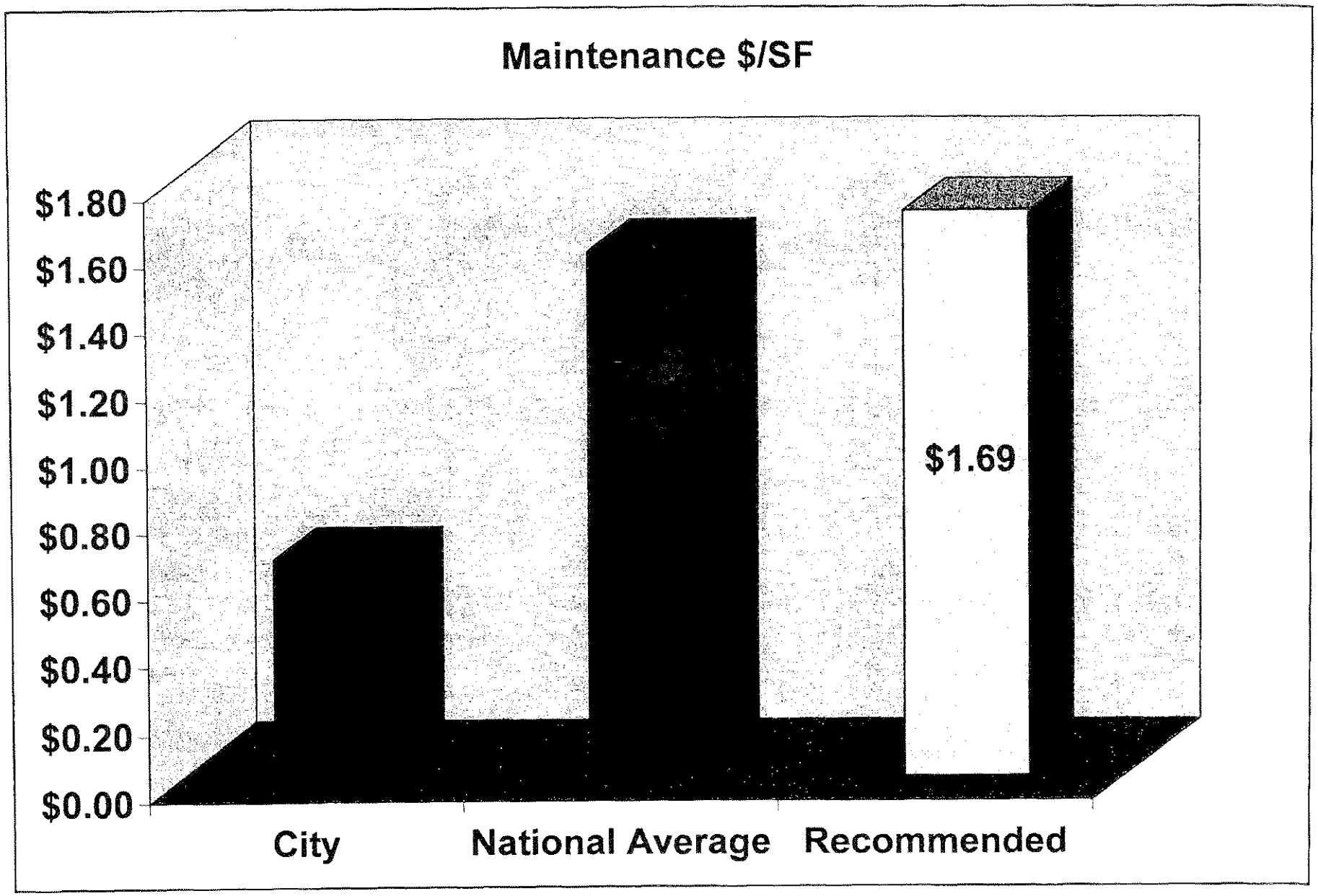
		MEP Design Fees for Scope Change	TBD			$0	Fees associated with Redesign to be Determined
		Architectural Design Fees for Scope Change	TBD			$0	Fees associated with Redesign to be Determined


Maintenance $/SF
$1.80
$1.60
$1.40
$1.20
$1.00
$0.80
$0.60
$0.40
$0.20
$0.00
$1.69
City
National Average
Recommended