



**DOVER SCHOOL
DISTRICT**

JOINT BUILDING COMMITTEE – DOVER HIGH SCHOOL AND REGIONAL CTC MEETING NOTICE - AMENDED

Meeting Type:	Regular Meeting
Meeting Location:	Superintendent's Conference Room, McConnell Center
Meeting Date:	Tuesday, August 9, 2016
Meeting Time:	4:30 P.M.

1. Call to order and roll call
2. Citizens' Forum
3. Approval of Meeting Minutes from July 26, 2016
4. Flooring presentation (alternate to Marmoleum) - Stephen Eschmann, Karndean Design Flooring
5. Financial Report
 - a. Approve Manifests
6. Review and discuss R.W. Gillespie & Assoc. estimate for purposes of booking a purchase order
7. Review Project Budget
8. Review Construction sign
9. Review and vote to approve PC Construction's recommendations for:
 - a. Concrete Flatwork
 - b. Elevators
10. Discuss possible overlay of sidewalk from Bellamy Rd. to the high school parking lot
11. Update on hiring of City Facilities Project Manager
12. Review future meeting schedule
13. Matters of Interest
14. Build next agenda and review action items
15. Adjournment

MAN. NO. CIPM#DHSCTC030
DATE: 8/9/2016

VENDOR VOUCHER MANIFEST
SCHOOL DISTRICT SAU #11

1. DATE	2. PAYEE NAME AND ADDRESS	3. FINANCE PO NO:	4. AMOUNT EXPENDED	5. AMOUNT OF CHECK	6. PROJECT NAME
1.8/9/2016	HMFH Architects, Inc. 130 Bishop Allen Drive Cambridge, MA 02139				DHS/CTC Fac. Improv.
PO Line					FY: 2016
3	<u>4016.1.600.46900.4725.07101.16.000.000.700</u>	201603137		\$ 273,037.60	
9	<u>4016.1.600.46900.4725.07108.16.000.000.700</u>	201603137		\$ 86,222.40	
				\$ 359,260.00	#1195
	Invoice #1195, Professional Services through 7/31/2016				
2. 8/9/2016	HMFH Architects, Inc. 130 Bishop Allen Drive Cambridge, MA 02139				DHS/CTC Fac. Improv.
PO Line					FY: 2016
5	<u>4016.1.600.46900.4725.07101.16.000.000.700</u>	201603137		\$ 61,286.40	
11	<u>4016.1.600.46900.4725.07108.16.000.000.700</u>	201603137		\$ 19,353.60	
				\$ 80,640.00	#1195
	Invoice #1195, Professional Services through 7/31/2016				
3. 8/9/2016	HMFH Architects, Inc. 130 Bishop Allen Drive Cambridge, MA 02139				DHS/CTC Fac. Improv.
PO Line					FY: 2016
1	<u>4016.1.600.46900.4725.07101.16.000.000.700</u>	201604454		\$ 939.12	
2	<u>4016.1.600.46900.4725.07108.16.000.000.700</u>	201604454		\$ 296.57	
				\$ 1,235.69	#1196
	Invoice #1196, Professional Services through 7/31/2016				
TOTALS				\$441,135.69	

TO THE TREASURER; PAYMENTS AUTHORIZED AND ORDERED
TO THE PERSONS LISTED ABOVE FOR THE SUMS INDICATED
IN COLUMN 5. AMOUNT OF CHECK AMOUNTING IN THE
AGGREGATE TO:

441,135.69

Superintendent of Schools or Business Administrator

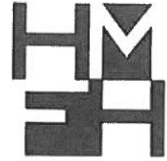
Date

Robert Carrier, Deputy Mayor, JBC Chair

Date

HMFH Architects, Inc.

130 Bishop Allen Drive
Cambridge, MA 02139
t 617 492 2200
f 617 876 9775
www.hmfh.com



Dover NH School District
McConnell Center
61 Locust Street, Ste 409
Dover NH 03820

Invoice # : 1195
Project : 403114
Project Name : Dover High School & RTC
Invoice Date : 8/5/2016

Attention: Libby Simmons, Business Admin.

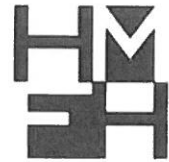
For Professional Services Rendered through July 31, 2016

Phase Name	Phase Fee	Previous Amount	Current Amount	% Complete	Total Fee Earned
Feasibility Study	485,000.00	485,000.00	0.00	100.00	485,000.00
Schematic Design (PSS3)	1,008,000.00	1,008,000.00	0.00	100.00	1,008,000.00
Design Development (PSS3,6)	1,316,000.00	1,316,000.00	0.00	100.00	1,316,000.00
Construction Documents (PSS3,6)	1,633,000.00	1,143,100.00	359,260.00	92.00	1,502,360.00
Bidding/Negotiations (PSS3)	336,000.00	0.00	0.00	0.00	0.00
Construction Administration (PSS3)	2,016,000.00	0.00	80,640.00	4.00	80,640.00
Construction Admin Phase 2 (PSS3)	336,000.00	0.00	0.00	0.00	0.00
Visioning/Educ Plan Proc. (PSS1)	29,150.00	29,150.00	0.00	100.00	29,150.00
Total Fee:		7,159,150.00			

Total Fee Earned To Date	4,421,150.00
Less Previous Billings	3,981,250.00
Amount Due This Invoice	439,900.00

HMFH Architects, Inc.

130 Bishop Allen Drive
Cambridge, MA 02139
t 617 492 2200
f 617 876 9775
www.hmfh.com



Dover NH School District
McConnell Center
61 Locust Street, Ste 409
Dover NH 03820

Invoice # : 1196
Project : 403114
Project Name : Dover High School & RTC
Invoice Date : 8/5/2016

Attention: Libby Simmons, Business Admin.

For Professional Services Rendered through July 31, 2016

Phase : Travel Expense

Expenses	354.41
Unit Pricing Expenses	881.28
	1,235.69
Amount Due This Invoice	1,235.69

Phase : Travel Expense

Expenses

<u>Vendor Name</u>	<u>Inv Nbr</u>	<u>Date</u>	<u>Cost</u>	<u>Multiplier</u>	<u>Amount</u>
Reimb Travel					
Christina Stanislaski		3/15/2016	5.50	1.10	6.05
		4/12/2016	15.51	1.10	17.06
		4/21/2016	5.50	1.10	6.05
		5/3/2016	5.50	1.10	6.05
		6/21/2016	5.50	1.10	6.05
		6/23/2016	5.50	1.10	6.05
		6/28/2016	5.50	1.10	6.05
			48.51		53.36
Robert Williams		6/7/2016	5.50	1.10	6.05
		6/13/2016	5.50	1.10	6.05
		5/10/2016	5.50	1.10	6.05
		5/24/2016	5.50	1.10	6.05
		4/12/2016	5.50	1.10	6.05
		3/28/2016	5.50	1.10	6.05
		2/2/2016	5.50	1.10	6.05
		2/16/2016	5.50	1.10	6.05
			44.00		48.40
Chase Card Services	0716CHASE	7/13/2016	13.04	1.10	14.34
Enterprise Rent-A-Car	10012117	6/29/2016	40.40	1.10	44.44
Total: Reimb Travel					160.54
Direct Consultants					
Robert Williams		6/2/2016	193.87	1.00	193.87
Expenses					354.41

Unit Pricing Expenses

<u>Vendor / Employee Name</u>	<u>Inv Nbr</u>	<u>Date</u>	<u>Units</u>	<u>Rate</u>	<u>Amount</u>
D*Unit Pricing Debit Account					
Mile Exp					
Christina Stanislaski	ER00000630	3/15/2016	136.00	0.54	73.44
	ER00000645	4/21/2016	136.00	0.54	73.44
	ER00000679	5/3/2016	136.00	0.54	73.44
	ER00000691	6/28/2016	136.00	0.54	73.44
			544.00		293.76
Robert Williams	ER00000715	6/7/2016	136.00	0.54	73.44
	ER00000715	6/13/2016	136.00	0.54	73.44
	ER00000716	5/10/2016	136.00	0.54	73.44
	ER00000716	5/24/2016	136.00	0.54	73.44
	ER00000718	4/12/2016	136.00	0.54	73.44
	ER00000719	3/28/2016	136.00	0.54	73.44
	ER00000720	2/2/2016	136.00	0.54	73.44
	ER00000720	2/16/2016	136.00	0.54	73.44
			1,088.00		587.52
Total: D*Unit Pricing Debit Account					881.28
Unit Pricing					881.28

Total Phase : Travel Expense

Labor : 0.00
Expenses : 1,235.69

Project : 403114 -- Dover High School & RTC

Invoice # : 1196

Total Project: 403114 -- Dover High School & RTC

1,235.69

SPAULDING CITGO DOVER NH *GPS TRAVEL 5130 403114 XTAN* 13.04 ✓
LAURA WERNICK
TRANSACTIONS THIS CYCLE (CARD 7857) \$13.04

Page 2 of 3

Statement Date: 07/13/16

000 N Z 13 18/07/13

Page 2 of 3

05996 MA DA 86702 19610000010488670202

ENTERPRISE RENT-A-CAR
P.O. BOX 414373
BOSTON, MA 02241-4373

For Billing Inquiries
(781) 935-5858
BOS99ARADMIN@EHI.com

ENTERPRISE HOLDINGS

Alamo Enterprise National

HMFH ARCHITECT INC.
Rental Summary

Fed Tax Id : 43-1526718

Consolidated Inv. #: 10012117
Consolidated Inv. Date: 29-Jun-2016

RA #	Ext Bill Ref # 1	Pickup Date	Charges	Total Charges	Amount in USD
Renter Name	Ext Bill Ref # 2	Pickup Location			
CARD/OTTO	Ext Bill Ref # 3	Return Date			
	Ext Bill Ref # 4	Return Location			
	Ext Bill Ref # 5	Car Class			

Enterprise Rent-A-Car

Contract ID / Account Number G48404 HMFH ARCHITECT INC.

Billing Number 842553 HMFH ARCHITECT INC.

4VXCKG

WERICK, LAURA

1/2 Dover

40314-5130
06/28/2016 14:03
CAMBRIDGE, MA

06/29/2016 14:05
CAMBRIDGE, MA

CCAR

1 DAY @ 34.99

REFUELING CHARGE

Tax, Surcharge and Fee

Total

34.99
38.06
7.75

\$40.40

G48404 HMFH ARCHITECT INC. - Billing Number 842553

Grand Total in USD

USD

80.80

Enterprise Rent A Car Grand Total For Account Number HMFH ARCHITECT INC. in USD

\$40.40

312#8 6595
BA 911311L

Ctrl Number:	Project:
Date Entered:	Acct. #
Status:	Post Date:
Type:	Vendor ID:
Phase:	Approved:
91/50/50	

Dover HS & CTC Testing Estimate

Based on R.W. Gillespie & Associates, Inc. Letter dated June 22, 2016 and attachment A: Pricing sheet dated June 3, 2016

Testing	Item#	Description	Unit	Unit \$	Quantity	Total Estimated Amount	Notes
Soils	1	Compaction & Moisture Content	HR	\$ 43	480	\$ 20,640	20 Wks of site testing 3 days a Wk
	2	Nuclear Density	Day	\$ 20	30	\$ 600	
	3	Modified Proctor	EA	\$ 100	10	\$ 1,000	
	4	Washed Sieve Analysis	EA	\$ 65	10	\$ 650	
	5	Topsoil Ayalysis	EA	\$ 80	10	\$ 800	
Concrete	1	Batch Plant Inspector	HR	\$ 55	40	\$ 2,200	
	2	AIA Certified Conc Field Technician	HR	\$ 43	416	\$ 17,888	26 Wks of conc 2 pous a wk
	3	Concrete Test Cylinders	EA	\$ 15	150	\$ 2,250	4500 CY 3 Cyl per 100 CY's +
	4	Mix Design Review	EA	\$ 100	4	\$ 400	
	5a	Vapor Emission & PH Tests Conc Floors	HR	\$ 45	0	\$ -	
	5b	Calcium Chloride Kits	Kit	\$ 25	0	\$ -	
	6a	Determiation of RH in Conc Floors	HR	\$ 45	40	\$ 1,800	
	6b	In-Situ Probes	Probe	\$ 40	50	\$ 2,000	
	7	Floor Flatness/Leveness Testing	Slab	\$ 850	2	\$ 1,700	Only a sample testing 2 locations
Structural	1	Formwork & Reinforcing Steel Inspection	HR	\$ 45	416	\$ 18,720	26 Wks conc 2 days a Wk
	2	Visual Steel Inspection	HR	\$ 60	80	\$ 4,800	10 Days
	3	AWS Certified Weldiong Inspection	EA	\$ 240	25	\$ 6,000	
	4	Non-Destructive Examination	EA	\$ 240	25	\$ 6,000	
Fireproofing	1a	Fireproof Inspector	HR	\$ 50	80	\$ 4,000	10 days
	1b	Adheasion Test	EA	\$ 10	50	\$ 500	
	1c	Density Test	EA	\$ 10	50	\$ 500	
Masonry	1	Field Masonry Inspector	HR	\$ 55	0	\$ -	
	2	IBC Certified Masonry Inspector	HR	\$ 55	280	\$ 15,400	8 Mo's (35 Wks) of Masn 8 Hrs/wk
	3a	Test CMU	Set	\$ 100	10	\$ 1,000	
	3b	Determination of Mortar Properties	EA	\$ 200	6	\$ 1,200	
	3c	Grout Prisms or Cylinders	EA	\$ 15	12	\$ 180	

Dover HS & CTC Testing Estimate

Based on R.W. Gillespie & Associates, Inc. Letter dated June 22, 2016 and attachment A: Pricing sheet dated June 3, 2016

Testing	Item#	Description	Unit	Unit \$	Quantity	Total Estimated Amount	Notes
	3d	Strength Test CMU Prisms	EA	\$ 350	12	\$ 4,200	
	3e	Mortar or Grout Cubes	EA	\$ 12	12	\$ 144	
Asphalt	1	NETTCP Certified Bituminous Field Technician	HR	\$ 155	0	\$ -	
	2a	Coring Technician & Equipment	HR	\$ 47	8	\$ 376	
	2b	Bit Wear (6" Dia Specimens)	EA	\$ 15	6	\$ 90	
	3a	Prep for Marshal Specimens	Set	\$ 55		\$ -	Not familiar with these tests
	3b	Bulk Specific Gravity of Mixtures	EA	\$ 45		\$ -	Not familiar with these tests
	3c	Theroetical Maximum Specific Gravity	EA	\$ 70		\$ -	Not familiar with these tests
	3d	Extraction of Bitumen from Mix & Gradation	EA	\$ 140		\$ -	Not familiar with these tests
Misc	1	QA/QC Consultant Services or Research	HR	\$ 100	0	\$ -	
	2	Registered PE	HR	\$ 100	40	\$ 4,000	
	3	Cross Trained QA/QC Inspector	HR	\$ 55	0	\$ -	
	4	Mileage Expense to/from Site per trip	Trip	\$ 15	235	\$ 3,525	Total HR's divided by 8 - Trips
	5	Round Trip Travel time per site visit	HR/Trip	\$ 1		\$ -	
	6	Transport of samples from site to Lab	Trip	\$ 65	100	\$ 6,500	
	7	Turn around time				\$ -	
	8	OT Rate					

Total Hrs	1880
Subtotal	\$ 129,063
10% Contingency factor	\$ 12,906
Total	\$ 141,969



R.W. Gillespie & Associates, Inc.

Geotechnical Engineering • Environmental Consulting • Materials Testing Services

22 June 2016

Dover School District, SAU #11
Superintendent's Office
61 Locust Street, Suite 409
Dover, NH 03820

Subject: Proposal for Materials Testing Services and Special Inspections
Dover High School and Career Technical Center
Dover, New Hampshire
RWG&A Proposal No. P-9344.MTS

R.W. Gillespie & Associates, Inc. (RWG&A) is pleased to present the following proposal for construction-phase materials testing services and special inspections for the Dover High School and Career Technical Center project in Dover, New Hampshire. Subsequent paragraphs present our understanding of the project, qualifications and experience, approach, staffing, scope of services, and estimated fee.

RWG&A is committed to improving the quality of life in the communities we serve through reliable, sustainable, and resilient facilities. We help clients develop projects of higher quality, better value and less risk through our services in geotechnical engineering, materials testing and inspection, and environmental consulting. Unlike other local testing firms, RWG&A does not have daily minimum charges for personnel and only invoices for actual time on-site and travel. RWG&A's facilities are conveniently located nearby about 10 miles from the site in Newington, New Hampshire branch office.

Project Description

The planned High School and Career Technical Center is located northwest of the existing high school building off of Durham Road in Dover, New Hampshire. The planned building will be approximately 185,000 square feet on three levels.

RWG&A Experience and Company Qualifications

RWG&A has performed similar scopes of services on several municipal and school projects in the last several years, and currently is performing materials testing and special inspection services on three on-going school projects in the Kennebunk, Maine area. In addition, RWG&A has performed geotechnical evaluations and/or materials testing services for the Dover School District at the current high school, middle school, and all local elementary schools. RWG&A's Materials Testing group actively participates in Cement and Concrete Reference Laboratories and AASHTO Materials Laboratory reference sample programs. Our technology staff possesses numerous certifications from organizations including ACI, PCI, NETTCP, and International Code Council. The materials testing laboratory is AASHTO R18 accredited. RWG&A has the staff and experience to perform the required services in a timely and efficient manner.

Project Staffing and Subcontractors

Matthew Grady, P.E., Manager of Materials Testing Services in RWG&A's Saco office would be assigned as RWG&A's project manager. Mr. Grady would be the day-to-day project contact and can be reached by phone at 207-286-8008. RWG&A's staff includes multiple qualified civil engineering technicians who would perform field services for RWG&A. RWG&A intends to subcontract the structural steel and other steel testing services to Neal White with White Engineering, LLC of Berlin, New Hampshire.

References

Project: Addition to Mildred L. Day School, Kennebunk Consolidated School, and Kennebunk High School, Kennebunk Area, Maine

Contact: Bruce Rudolph, Business Administrator, brudolph@rsu21.net, 207-985-1100

Services: Soils, Concrete, Steel, Fireproofing

Project: 667 Congress Street Apartments, Portland, Maine

Contact: Blaine Buck, Cordjia Capital Projects Group, bbuck@cordjiacpg.com, 207-333-2236

Services: Soils, Concrete, Steel, Fireproofing, Masonry

Project: Wells High School Spray-On Fire Resistant Material (SFRM) Testing, Wells Maine

Contact: Brad Goodale, Clerk of the Works, 207-252-1795

Services: Fireproofing

Approach to Project

RWG&A's approach to the project would be to serve the Dover School Department (DSD) as its testing agency and special inspector and to provide services in general accordance with project specifications. It is anticipated that the project would be serviced through intermittent site visits on an as-requested basis. It is understood that DSD's designated representative would be responsible for verifying that requested services meet the project's needs, and for arranging for and coordinating RWG&A's services.

RWG&A and its subcontractors would perform inspections in accordance with the project technical specifications and drawings and in general accordance with applicable ASTM and other standards. Based on review of the RFP, the following services by RWG&A are anticipated:

- Soils and Earthwork
- Cast-in-place Concrete
- Structural Steel
- Masonry
- Sprayed Fire Resistant Materials
- Bituminous Concrete and Concrete Pavement

Scheduling

We request a minimum of two business days advance notice to schedule site visits for testing services and a final confirmation of at least 24 hours. It is understood coordination and scheduling would be made by DSD's representative and that the requested advance notice might

not be practicable. RWG&A's contact person for scheduling is Matthew T. Grady, P.E., Manager of Materials Testing Services.

Cost Basis

RWG&A completed and attached the price list included as Attachment A in the RFP. RWG&A's unit rates will remain in effect for the duration of the project. Any additional work requested during the course of the project would be based on the unit rates contained in Attachment A or otherwise negotiated to our mutual satisfaction. The fee would depend on the construction schedule and amount of testing and inspection services needed to complete the project.

Please note that RWG&A does not have minimum daily charges and invoices only for time, materials, and tests used in the course of the services. Overtime begins after 8 hours per day unless DSD desires to negotiate an alternative arrangement.

There is no charge for mailed or emailed copies provided to the construction manager, concrete supplier, architect, or structural engineer. Administrative and other personnel time is charged for preparation of reports which in RWG&A's opinion may be necessary and/or pertinent to the work.

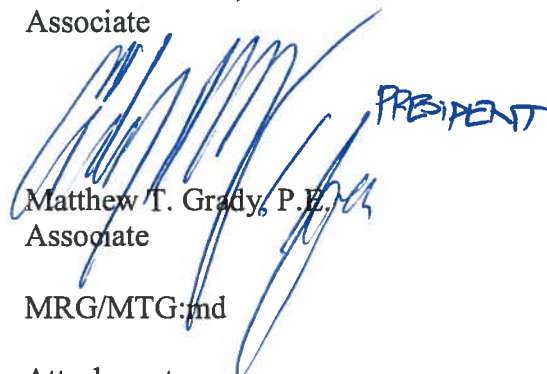
Closure

RWG&A has the staff and experience to serve the project in a timely, professional, and efficient manner. Materials testing and special inspection services will be provided in accordance with the attached Terms and Conditions. If this proposal is acceptable, please sign one copy and return it to RWG&A. Please contact us if you have any questions or if we may be of further service.

Sincerely,
R. W. GILLESPIE & ASSOCIATES, INC.



Marc R. Grenier, P.E.
Associate



Matthew T. Grady, P.E.
Associate

MRG/MTG:md

Attachments

Authorization for Materials Testing Services and Special Inspections
Attachment A, Pricing
Terms and Conditions (3 pages)

**Authorization for Materials Testing Services & Special Inspections
Dover High School and Career Technical Center
Dover, New Hampshire
RWG&A Proposal No. P-9344.MTS
Unit Rates**

The above arrangements are understood and accepted.

Dover School District

Signature:_____

Print:_____

Title:_____

Date:_____



**DOVER
SCHOOL DISTRICT**

REQUEST FOR BID, PROPOSAL, QUALIFICATION

Request type Proposal
Title **Soils – Materials Testing**
Date June 3, 2016

ATTACHMENT A: PRICING

- I. SOILS & EARTHWORK** (soil testing under structural elements within the building footprint will be performed by the design geotechnical engineer)

1	Soil Compaction & Moisture Content Testing	\$ 43 /hour
2	Electronic Nuclear Moisture-Density Gauge	\$ 20 /day
3	Modified Proctor	\$ 100 /each
4	Washed Sieve Analysis	\$ 65 /each
5	Topsoil Analysis (mechanical and chemical)	\$ 80 /each

II. CAST IN-PLACE CONCRETE

1	Certified Concrete Batch Plant Inspector	\$ 55 /hour
2	ACI Certified Concrete Field Technician (ACI-CFTT)	\$ 43 /hour
3	Concrete Test Cylinders 4" x 8"	\$ 15 /each
4	Mix Design Review	\$ 100 /each
5	Vapor Emission & pH Testing of Concrete Floors Using Anhydrous Calcium Chloride Kit	\$ 45 /hour \$ 25 /test kit
6	Determination of Relative Humidity in Concrete Floors Using in-situ probes (ASTM F 2170-11)	\$ 45 /hour \$ 40 /probe
7	Floor Flatness/Levelness Testing (FF & FL Testing)	\$ 850 /slab

III. STRUCTURAL & REINFORCING STEEL, JOISTS, DECK, STUDS, LIGHT GAUGE METAL FRAMING (LGMF), MISC. METAL, AND NON-DESTRUCTIVE EXAMINATION (NDE)

1	Formwork & Reinforcing Steel Inspection	\$ 45 /hour
2	Visual Steel Erection Inspection	\$ 60 /hour
3	AWS Certified Welding Inspector	\$ 240 /each
4	Non-Destructive Examination	\$ 240 /each



**DOVER
SCHOOL DISTRICT**

REQUEST FOR BID, PROPOSAL, QUALIFICATION

Request type Proposal
Title **Soils – Materials Testing**
Date June 3, 2016

IV. SPRAY FIREPROOFING

1	<u>ICC Certified Fireproofing Inspector</u> To perform an evaluation of the Sprayed-On Fireproofing for proper coverage, thickness & density (ASTM E-605) and adhesion (ASTM E-736)	\$ 50 /hour
1a	Adhesion Test	\$ 10 /each
1b	Density Test	\$ 10 /each

V. MASONRY

1	Field Masonry Inspector	\$ 55 /hour
2	IBC Certified Structural Masonry Special Inspector	\$ 55 /hour
3	<u>Laboratory Services</u>	
3a	Test Concrete Masonry Unit (ASTM C-140)	\$ 100 /set
3b	Preconstruction Determination of Mortar Properties	\$ 200 /each
3c	Grout Prisms or Cylinders (ASTM C-1019)	\$ 15 /each
3d	Strength Test CMU Prisms (ASTM C-1314)	\$ 350 /each
3e	Mortar or Non-Shrink Grout Cubes (ASTM C-109)	\$ 12 /each

VI. BITUMINOUS ASPHALT

1	NETTCP Certified Bituminous Field Technician	\$ 155 /hour
2	<u>Thickness Evaluation and/or Coring of Pavement Mixture Field</u>	
2a	Coring Technician & Equipment	\$ 47 /hour
2b	Bit Wear (6 inch diameter specimens)	\$ 15 /each
3	<u>Laboratory Tests</u>	
3a	Preparation of Marshall Specimens	\$ 55 /each set
3b	Bulk Specific Gravity of Mixtures	\$ 45 /each
3c	Theoretical Maximum Specific Gravity	\$ 70 /each
3d	Extraction of Bitumen from Mix & Gradation	\$ 140 /each



**DOVER
SCHOOL DISTRICT**

REQUEST FOR BID, PROPOSAL, QUALIFICATION

Request type Proposal
Title **Soils – Materials Testing**

Date June 3, 2016

VII. MISCELLANEOUS

1	QA/QC Consultant Services or Research, if needed	\$ 100 /hour
2	Registered Professional Engineer, if needed	\$ 100 /hour
3	Cross Trained QA/QC Inspector (full-time)	\$ 55 /hour
4	Mileage Expense to/from site per trip	\$ 15 /trip
5	Round Trip Travel time per site visit	1 /hours/trip
6	Transportation of samples from the site to laboratory	\$ 65 /trip
7	<u>Normal turnaround time for laboratory results is () working days from date received</u> Requested "Rush" Laboratory Results will be charged at: 24 hour turnaround time (or less) 24 to 48 hour turnaround time	 = regular rate x (2) = regular rate x (1)
8	<u>Overtime Rate (over 8 hours on site)</u> 2 nd shift rates 3 rd shift rates Saturday rate Sunday/Holiday rate	Base rate x \$ 1 Base rate x \$ 1.5 Base rate x \$ 1.5 Base rate x \$ 1.5

ALL consumable materials and tools required for the taking of or testing of material samples shall be included in the unit prices provided.

TERMS AND CONDITIONS
MATERIALS TESTING SERVICES

1. CHARGES

Personnel: Charges are computed on an hourly rate schedule listed in the proposal unless otherwise stated in the proposal. Annual increases will not exceed an average of ten (10) percent per classification.

Equipment, Subcontractors, and Supplies: Charges for specialized equipment, mileage, subcontractors, consultants, laboratories, and supplies required to complete the project are itemized in the proposal. A fifteen (15) percent fee is added to all subcontract invoices to cover handling and added costs.

2. INVOICES

Invoices are issued monthly, payable upon receipt. Amounts not paid within thirty (30) days are subject to a service charge of one and one-half (1-1/2) percent per month. Client agrees to pay all fees including attorney fees, court costs, or other expense, incurred for the collection of delinquent accounts. If the Client objects to all or any portion of the invoice or service, Client shall so notify R.W. Gillespie & Associates, Inc. within 14 calendar days of the invoice date, identify any defect and/or cause of the disagreement, and pay when due that portion of the invoice, if any, not in dispute. Payment of invoices is in no case subject to unilateral discounting or set-offs by Client. The Client's right to use R.W. Gillespie & Associates, Inc.'s work product, including its instruments of service, is contingent upon timely and full payment of all fees and costs payable under this agreement.

3. SAMPLES

All samples acquired by us (soil, concrete, rock, etc.) will be discarded thirty (30) day after submission of our final report, unless you advise us otherwise. Upon Client's written request, we will forward the samples at your cost, or will store them for you for an agreed period and storage charge.

4. JOB SITE SAFETY RESPONSIBILITIES

Client acknowledges and agrees that R.W. Gillespie & Associates, Inc. shall have no control over, nor be responsible for the construction means, methods, techniques, sequences or procedures or for any safety precautions and/or programs of the construction contractors. Client agrees that R.W. Gillespie & Associates, Inc. will be responsible only for its own employees and its sole responsibilities which will be limited to those tasks as set forth in the scope of services as described in our proposal.

5. STANDARD OF CARE

R.W. Gillespie & Associates, Inc. is a professional association and represents that our professional services will be performed in a manner consistent with that level of care and skill ordinarily exercised by members of the profession practicing under similar conditions. No other representation or warranty, either expressed or implied, is intended.

6. LIMITATION OF LIABILITY

The Client and R.W. Gillespie & Associates, Inc., agree, to the fullest extent permitted by law and order withstanding any other provisions in this agreement, the total liability of R.W. Gillespie & Associates, Inc., and its officers, directors, owners, shareholders, employees, agents, and subconsultants or any of them, the Client and anyone claiming by, through or under the Client, for any and all claims, losses, costs of damages, of any nature whatsoever, arising out of, resulting from, or in any way related to the project or this agreement, from any cause or causes, including but not limited to the negligence, professional error or omissions, strict liability, breach of contract, or other civil liability, shall not exceed the total compensation received by R.W. Gillespie & Associates, Inc., or the total amount of \$50,000.00, whichever is less. If the Client prefers not to limit R.W. Gillespie & Associates, Inc., liability to this sum, we may agree to increase the limit of liability in \$25,000 increments up to \$100,000 provided that the Client agrees to pay an additional consideration of five (5) percent of the incremental increase in the limit for this waiver. The request for this option must be

made by the Client in writing at the time the Client accepts the proposal. The charge is consideration for the greater risk involved in performing work for which the limitation of liability exceeds the total compensation received by R.W. Gillespie & Associates, Inc., or the amount of \$50,000, whichever is less. It should not be construed as a charge for professional liability insurance.

7. **INFORMATION PROVIDED BY OTHERS**

For purposes of economy and expediency, R.W. Gillespie & Associates, Inc. will rely on information provided by Client and indicate to Client information needed to form an opinion. It is understood that it is not practicable to identify all information needed until after services begin. Furthermore, it is understood that Client will provide R.W. Gillespie & Associates, Inc. with as much of such information requested that is available to Client, inform R.W. Gillespie & Associates, Inc. of reports or materials prepared by others that relate to R.W. Gillespie & Associates, Inc.'s portion of the work, and that Client will furnish these to R.W. Gillespie & Associates, Inc. R.W. Gillespie & Associates, Inc. is unable to ensure the sufficiency of such information, either because doing so is impossible, or because of errors or omissions others may have committed when assembling the information. Accordingly, it is understood that Client will, to the fullest extent permitted by law, waive any claim against R.W. Gillespie & Associates, Inc., and indemnify, defend, and hold R.W. Gillespie & Associates, Inc. harmless arising from any claim or liability for injury or loss, arising from alleges error, omissions, or inaccuracies in documents or other expenses incurred by RWG&A in defense of any such claim. Such compensation will be based on R.W. Gillespie & Associates, Inc.'s prevailing fee schedule and expense reimbursement policy.

8. **DEFECTS IN SERVICE**

Client and Client's personnel, contractors, subcontractors, and subconsultants shall promptly report to R.W. Gillespie & Associates, Inc. any known or suspected defect in the project related to any aspect of RWG&A's services, including any errors, omissions or inconsistencies in R.W. Gillespie & Associates, Inc.'s Instruments of Service, in order that R.W. Gillespie & Associates, Inc. may take prompt measures which in R.W. Gillespie & Associates, Inc.'s opinion will minimize the consequences of a defect in service.

9. **EXTENSION OF PROTECTION**

The Client agrees to extend any and all liability limitations and indemnifications provided by the Client to R.W. Gillespie & Associates, Inc. to those individual and entities R.W. Gillespie & Associates, Inc. rents for performance of the services under this agreement including, but not limited to R.W. Gillespie & Associates' offers and employees, their heirs and assigns, as well as R.W. Gillespie & Associates' subconsultants and their officers, employees, heirs, and assigns.

10. **INSURANCE**

R.W. Gillespie & Associates, Inc. maintains worker's compensation insurance and commercial general liability insurance. Certificates for such policies of insurance shall be provided to Client upon request in writing.

11. **CONFIDENTIALITY**

R.W. Gillespie & Associates, Inc., will not intentionally divulge information regarding the proposal, services or report, except to Client or parties designated by Client in writing. If, in our sole opinion, site conditions represent a threat to the public health or an environmental hazard, we will so advise Client in order that Client may diligently notify the appropriate authorities. If Client fails to act in a responsible manner, R.W. Gillespie & Associates, Inc., as a professional association, will notify the appropriate authorities. Client waives any claim against R.W. Gillespie & Associates, Inc., and agrees to defend, indemnify, and save R.W. Gillespie & Associates, Inc., harmless from any claim or liability arising from conditions or notification of conditions at the site. Information which is in the public domain or which is provided to us by third parties is not considered confidential.

12. **ESTIMATED FEE**

Our estimated fee is an opinion of the estimated, probable costs required to perform the scope of services. We must make a number of assumptions as to conditions that will be encountered and other factors over which we have no control. It is agreed many unforeseen factors that could not be fully anticipated or accounted for when the proposal was prepared may influence the final fee associated with RWG&A's services. The estimate is intended as a budgetary guide only to anticipated fees and is not to be construed as a limitation on the fees to be charged pursuant to this agreement.

13. **MEDIATION**

In an effort to resolve any conflicts that arise related to the services provided pursuant to this agreement, the Client and R.W. Gillespie & Associates, Inc. agree that disputes between them arising out of and/or related to this agreement shall be submitted to non-binding mediation, unless the parties mutually agree otherwise.

The Client and R.W. Gillespie & Associates, Inc. further agree to include a similar mediation provision in all agreements with independent contractors and consultants retained for the project and to require all independent contractors and consultants also to include a similar mediation provision in all agreements with subcontractors, subconsultants, suppliers and fabricators to retained, thereby providing for mediation as the prime method for dispute resolution between parties to those agreements.

14. **THIRD-PARTY BENEFICIARIES**

Nothing contained in this agreement shall create a contractual relationship with or a cause of action in favor of a third party against either the Client or the R.W. Gillespie & Associates, Inc. R.W. Gillespie & Associates, Inc.'s services under this Agreement are being performed solely for the Client's benefit, and no other party or entity shall have any claim against the Consultant because of this Agreement or the performance or nonperformance of services hereunder. The Client and R.W. Gillespie & Associates, Inc. agree to require a similar provision in all contracts with contractors, subcontractors, subconsultants, vendors and other entities involved in this Project to carry out the intent of this provision.

15. **OWNERSHIP OF INSTRUMENTS OF SERVICES**

All reports, plans, specifications, field data and notes, and other documents, including all documents on electronic media, prepared by R.W. Gillespie & Associates, Inc., as instruments of service shall remain the property of R.W. Gillespie & Associates, Inc.

16. **GOVERNING LAW**

The laws of the State of Maine will govern the validity of this agreement, its interpretation, and performance.

17. **ASSIGNMENT**

Neither party to this agreement shall transfer, delegate, or assign any right under or interest in this agreement (including but not limited to moneys that are due or moneys that may be due) without the prior written consent of the other party.

18. **SUSPENSION OF SERVICES**

If the Client fails to make payments when due or otherwise is in breach of this agreement, R.W. Gillespie & Associates, Inc. may suspend performance of services upon five (5) calendar days' notice to the Client. R.W. Gillespie & Associates, Inc. shall have no liability whatsoever to the Client for any costs or damages as a result of such suspension caused by any breach of this agreement by the Client. If the Client fails to make payment to the consultant in accordance with the payment terms herein this shall constitute a material breach of this agreement and shall be cause for termination by R.W. Gillespie & Associates, Inc.



CONSTRUCTION

AT PC WE GO ABOVE AND BEYOND ON EVERY JOB, PERIOD.

August 8, 2016

Mr. Robert C. Carrier
Joint Building Committee Chair
DHS-CTC Building Project
McConnell Center
61 Locust St, Suite 409
Dover, NH 03820

Re: Letter of Recommendation – BP 03.1 Concrete Slabs and Stairs
Dover High School & Career Technical Center
PC Project No. 15027

Dear Robert:

Listed below are the bid results for the above referenced procurement package.

Bidders	Bid Amount
AP Concrete Floors	\$2,019,559
NS Giles Foundations Inc.	\$2,284,830
Concrete Craftsmen Inc.	\$2,356,862
Premier Concrete (labor only)	\$ 688,525
Design Development Estimate value for Concrete Slabs and Stairs	\$2,086,128

Based upon our final analysis, we recommend the work be awarded to AP Concrete Floors. We request your authorization by signature below to notify AP Concrete Floors that they are the apparent low bidder and that we will enter into a contract in the amount of \$2,019,559 with AP Concrete Floors, contingent upon execution of the GMP between PC and The Dover School District.

Sincerely,

Joint Building Committee

Scott Blair
Project Manager

Authorization Date

cc: Garret Bertolini
Joe Picoraro
Melissa Glidden (JBC)
Laura Wernick
Tina Stanislaski

Scope:	Concrete Subcontractor				Company:		Concrete Craftsmen		NS Giles		Premier Concrete		AP Concrete Floors			
Job No:	15027				Contact:		Justin		Dale Daggett		Dennis Muhonen		Heather			
Project:	Dover HS & CTC				Phone:											
Estimator:	Scott Blair				Mobile:											
Bid Date:	7/15/16 @2:00pm				Fax:											
				Email:												
Spec	Description	PC Quantity	UM	"PC" ADJ Estimate		A		C		E		G		CARRY		
				U.P.	Total Price	U.P.	Total Price	U.P.	Total Price	U.P.	Total Price	U.P.	Total Price	U.P.	Total Price	
	Base Bid															
	EMR								0.66				0.78			
	Concrete Slabs and Floors:						2,593,412				688,525					
	Concrete Materials								631,785				910,000			
	Rebar Materials								219,823				312,118			
	Slabs on Grade								424,000				872,091			
	Slabs on Deck								242,198				378,000			
	Polished Concrete Floors								NA							
	Progress Clean-up								50,000				30,000			
	General Conditions & Misc								917,499				40,000			
	Bond								34,025							
	Addendum #2															
	Site concrete reduction												-270,050			
	Loading Dock slab and stairs, Area A ext stairs												57,400			
	Breakouts:															
	Slab Concrete		CY				7,300		5,470		6,108					
	Slab Rebar		TNS				88		88		88		88			
	Alternate #1 Underslab Insulation						-236,550		-234,500				-310,000			
	Concrete Materials															
	3,000 psi (Redimix \$95/yd)												110			
	4,000 psi (Redimix \$99/yd)						125						115			
	4,500 psi (Redimix \$101/yd)												120			
	Man Hours												17,000			
	PC DD Estimate															
	Structural Concrete Summary						1,297,518									
	Concrete Flat Work Summary						2,086,128									
	Underslab Vapor Barrier						135,456									
	Winter Concrete						60,000									
	Continous Footings						239,700									
	Isolated Footings						202,610									
	Frost Walls						327,255									
	Retaining Walls						317,857									
	Pilasters						46,586									
	Column						7,250									
	Slab on Grade/thickened edge/grade beams						1,002,392									
	Slab on Deck						643,069									
	Concrete Steps						244,339									
	Concrete Stairs						14,025									
	Rigid Insulation (SOG, frost walls in Sitework)						34,776									
	Exposed Concrete Hardener/Sealer						81,622									
	Exposed Concrete Hardener/Sealer - Stairs						26,709									
	Polished Concrete Floor						buy with Div 9									
	LEED Certification															
	MBE/WBE/DBE															
	Addendum STR-1															
	SUBTOTAL					y	2,356,862	y	2,284,830	y	688,525	y	2,019,559			
	Sales Tax (If Applicable) >		N													
	Sub/Vendor Bond															
	TOTAL						\$ 3,383,646		\$ 2,356,862		\$ 2,284,830		\$ 688,525		\$ 2,019,559	
							slabs only				labor only		slabs only			
Notes:																

From: AP Concrete Floors, Inc. <apconcrete@securespeed.us>
Sent: Wednesday, July 27, 2016 2:13 PM
To: Scott Blair
Subject: Re: Dover High School

My responses will be in Green

1. In the original Labor only quote you sent, you had included sidewalks and exterior concrete pads. Does this quote still include that or is just the building slabs and metal pan stairs?

It includes the labor for the exterior Please remove the labor from your proposal for the exterior sidewalks and pads. This will come out as a separate package.

The deduct for the site labor will be \$ 270,050.00

2. Please confirm the credit value for reducing the rigid insulation to only 2' around the perimeter. Can we deduct \$310,000 from your proposal?

Yes you can take \$310,000.00 thanks.

3. Please confirm you reviewed and covered all the depressed slab areas indicated on the drawings. There were quite a few and I want to make sure you have all that extra form work.

Yes

4. Please confirm you have included the threaded rebar at the bent plates per detail 8/S5.2 and similar. The rebar couplers will come welded on the pour stop from the structural steel fabricator.

This should be in the steel guys number The steel supplier has the couplers that are welded to the pourstop, not the threaded bars. I know these threaded bars were included in the rebar quotes. Please confirm you have included the rebar.

The threaded rod is not included.

5. With regards to areas that will receive polished concrete floors, please confirm you will work with the floor finisher regarding curing method and finish level.

Yes

6. Please confirm if you have included the exterior stair at the loading dock, the loading dock slab and the stairs and landings along the exterior wall of the Auditorium as highlighted on L2.4.

Labor is included no Materials Please include the materials (rebar, concrete, etc) for these areas.

For the structural steps and landing at the loading dock and the concrete and rebar for the exterior wall will be an add of \$ 57,400.00.

Heather

On Tue, Jul 26, 2016 at 2:34 PM, Scott Blair <sblair@pcconstruction.com> wrote:

My comments below in blue. Please review and revise your proposal accordingly.

Thank you.

Scott Blair

Project Manager

PC Construction Company

Dover High School & CTC

25 Alumni Drive

Dover, NH 03820

[603-664-3017](tel:603-664-3017) office

[603-343-3289](tel:603-343-3289) cell

www.pcconstruction.com

| AT PC WE GO ABOVE AND BEYOND ON EVERY JOB, PERIOD.

From: AP Concrete Floors, Inc. [mailto:apconcrete@securespeed.us]

Sent: Tuesday, July 26, 2016 2:26 PM

To: Scott Blair <sblair@pcconstruction.com>

Subject: Re: Dover High School

Bid Form

Bid Package No. 03.1
Structural Concrete, Slabs and Floors

Project: Dover High School and Career Technical Center | Procurement and Early Work Package
Bid Date: July 15, 2016
Bid Time: 02: 00 PM

To:

BIDDER: A.P. Concrete Floors, INC
(Company Name)

ADDENDA
Bidder acknowledges receipt of Addenda # _____, # _____, # _____, # _____, # _____, # _____

BASE BID
Two million Four Hundred Twenty-two Thousand Two Hundred Nine
(In Words) DOLLARS, \$ 2,422,209.00

EMR
Current EMR rating .78

BREAKOUT PRICING

Structural Concrete Construction:

\$ _____	Concrete Materials
\$ _____	Rebar Materials
\$ _____	Site Retaining Walls and Stairs
\$ _____	Progress Clean-up
\$ _____	General Conditions & Misc.
\$ _____	Cost of Bond (included in Base Bid)
\$ _____	TOTAL (Same as Base Bid above)

Concrete Slabs and Floors:

\$ <u>910,000.00</u>	Concrete Materials
\$ <u>312,118.00</u>	Rebar Materials / wire mesh, CHAIRS
\$ <u>872,091.00</u>	Slabs on Grade Labor 8" rigid INS, Poly + wet cure
\$ <u>378,000.00</u>	Slabs on Deck + metal stair infills
\$ <u>N/A</u>	Polished Concrete Floors

\$ 30,000.00 Progress Clean-up
\$ 40,000.00 General Conditions & Misc.
\$ N/A Cost of Bond (included in Base Bid)
\$ 2,472,209.00 TOTAL (Same as Base Bid above)

ALTERNATES

1. Alternate 1 - Reduce underslab insulation to 2' around perimeter.

\$ 72,413.00

\$ 310,000.00 Savings

BREAKOUTS

Structural Concrete N/A cy
Structural Rebar N/A tons
Slab Concrete 1 cy
Slab Rebar 88 tons

UNIT PRICES

1. 3,000 psi Concrete, in place, per Cubic Yard with no hot water or
\$ 110.00 /CY an extra cost
Price

Polenset this will be
for winter not in our

2. 4,000 psi Concrete, in place, per Cubic Yard
\$ 115.00 /CY

3. 5,000 psi Concrete, in place, per Cubic Yard
\$ 120.00 /CY

TOTAL MANHOURS

Total man-hours figured in the base project # 17,000

Proposed crew hours and equipment:

Copper head

Power rake

10 ride-on trowels

3 Soffcut Saws

List all jobs working on concurrently to the work schedule for this scope:

All jobs will be completed

when this one starts

MINORITY/WOMEN BUSINESS ENTERPRISE

Is this bidder a qualified MWBE? YES/NO ☒

Are any subcontractors affiliated with this bidder a qualified MWBE? YES/NO ☒

If yes to either of the questions above; please provide accredited documentation upon award.

VALUE ENGINEERING List below any value engineering proposals you may.

Description	\$ Amount
-------------	-----------

1. _____	_____
----------	-------

2. _____	_____
----------	-------

3. _____	_____
----------	-------

EXCEPTIONS, IF ANY List any clarifications or exceptions to the scope of work, terms and conditions, or other requirements under the Bid Package. Be specific and indicate items such as specific spec section and paragraph, attachment form number, name and paragraph, etc.

ADDITIONAL INFORMATION

Names of any second-tier subcontractors or major suppliers Bidder intends to use:

Names of key personnel including projects of a similar size and nature performed by each person

PROJECT MANAGER

Phasent Lane Mall	Bashua NH
Project	Location

ONSITE SUPERVISOR

Project

Location

AWARD

The Bidder acknowledges and understands that PC Construction Company reserves the right to reject any or all Bids, to waive any informality in any Bid, and generally take such action as shall be in the Owner's and PC Construction Company's best interest.

PC Construction reserves the right to combine project bid packages and project scopes as appropriate to provide the Dover School District with the best value.

INSURANCE REQUIREMENTS

Bidder has verified with insurance carrier that they can meet all PC requirements as called out on the attached sample certificate of insurance.

PAYMENT AND PRICING TERMS

Bidder acknowledges that subcontract, if awarded, will be subject to the following payment and pricing terms.

a. A payment and performance bond is a requirement for all subcontractors whose contract value is in excess of \$100,000. For bid responses greater than \$100,000, the cost for the payment and performance bond must be identified separately as shown on the bid response form and also included in the total bid amount. For bid responses with an amount less than \$100,000, an add-alternate cost for a bond must be provided. PC reserves the right to require a bond on any subcontractor, regardless of contract amount.

b. Subcontractor to submit schedule of values to be approved by the Project Manager prior to the first payment.

c. Payment will be made in accordance with Article 9 of the P220 Subcontract Terms and Conditions, with 10% retainage.

d. To receive payment for the month's work, subcontractor must submit a requisition and a properly executed Waiver of Lien and Release of Claim (Form P-235) on or before the 25th of each month for work completed through the last day of the month. Payments will be forwarded to subcontractors by the last business day of each month.

e. This project is tax exempt. State and Local Taxes are not to be included.

f. HOURLY RATE PRICING.

For the purpose of evaluating or determining the cost of any additional work list hourly rates. Rates should include all costs including benefits, insurances, OH&P, etc. Rates shall be in effect for the duration of the project.

Position	Hourly Rate	Premium Rate*	Overtime Rate**	Deduct Rate
Foreman	70.00	105.00	105.00	
Concrete Finisher	60.00	90.00	9.00	
Labourer	50.00	75.00	75.00	

*Premium Rate is off hours, not overtime

** Overtime Rate should reflect time and one half on the base hourly rate. Overtime Rate does not apply until 40 hours are worked, on this project, in a given week.

Deduct Rate shall be used for any reductions in scope made throughout the course of the project.

Mark up on change orders will be as follows. These markups also apply to any vendors and second tier subcontractors used on the project.

MATERIAL - Invoice cost plus 10% overhead and profit.

EQUIPMENT - Rental invoice cost plus 10% overhead and profit, or if owned equipment Bluebook rate without any additional mark up.

SECOND TIER SUBCONTRACTOR - Second tier subcontractor cost plus 5% overhead and profit.

g. UNIT PRICING.

For the purpose of evaluating or determining the cost of any additional work list unit prices for each item below. Unit prices are the installed price, unless noted otherwise, and should include all costs including overhead and profit.

ATTACHMENTS INCORPORATED HEREIN BY REFERENCE

Bidder to initial next to each attachment representing that he has thoroughly examined each Attachment, that the amounts on the Bid Form reflect any and all costs associated with complying with terms, conditions and other requirements of the Attachments, and further represents that the bidder can and will enter into a subcontract, if awarded, that is subject to the same.

Initial

<u>AP</u>	AIA Sample Form
<u>AP</u>	E018b.Policy Regarding Discrimination and Harassment and Equal Employment Opportunity - Bilingual
<u>AP</u>	P220.Subcontract Terms and Conditions
<u>AP</u>	P220A.Subcontractor Safety Agreement
<u>AP</u>	P235.Waiver of Lien and Release of Claim
<u>AP</u>	P350.Subcontract Performance Bond
<u>AP</u>	P355.Subcontract Labor and Material Payment Bond
<u>AP</u>	SF060.Subcontractor Safety and Health Questionnaire
<u>AP</u>	15027 Schedule 061716
<u>AP</u>	Draft Construction Phasing Plan 050416
<u>AP</u>	Project Specific Requirements
<u>AP</u>	Volume 1 60% CD 061516 Combined
<u>AP</u>	Specification Volume 1 061516
<u>AP</u>	Volume 2 60% CD 061516 Combined
<u>AP</u>	Specification Volume 2 061516

The undersigned agrees that Bidder shall enter into a subcontract, if awarded, in accordance with this Bid Package and subject to the terms, conditions, and other requirements of the Attachments hereto and of the Contract Documents, and shall do so within five days of receipt of said subcontract.

Company Name: AP Concrete Floors Inc.

By: Abraham Phinney

Title: President

Date: 7/18/16

Bid Form

Bid Package No. 03.1
Structural Concrete, Slabs and Floors

Project: Dover High School and Career Technical Center | Procurement and Early Work Package
Bid Date: July 15, 2016
Bid Time: 02: 00 PM

To:

BIDDER:

N.S. Giles Foundations, Inc.
(Company Name)

ADDENDA

Bidder acknowledges receipt of Addenda # 1, # _____, # _____, # _____, # _____, # _____

BASE BID

Five million one hundred eighty nine Thousand DOLLARS, \$ 5,189,485
(In Words) Four hundred eighty five

EMR

Current EMR rating .66

BREAKOUT PRICING

Structural Concrete Construction:

\$ 479,192 Concrete Materials
\$ 302,280 Rebar Materials
\$ 395,000 Site Retaining Walls and Stairs
\$ 50,000 Progress Clean-up
\$ 1,407,868 General Conditions & Misc.
\$ 35,815 Cost of Bond (included in Base Bid)
\$ 2,670,155 **TOTAL** (Same as Base Bid above)

Concrete Slabs and Floors:

\$ 631,785 Concrete Materials
\$ 219,823 Rebar Materials
\$ 424,000 Slabs on Grade
\$ 242,198 Slabs on Deck
\$ Excluded Polished Concrete Floors

\$ 50,000 Progress Clean-up
\$ 917,499 General Conditions & Misc.
\$ 34,025 Cost of Bond (included in Base Bid)
\$ 2,519,330 **TOTAL** (Same as Base Bid above)

ALTERNATES

1. Alternate 1 - Reduce underslab insulation to 2' around perimeter.

\$ 234,500

BREAKOUTS

Structural Concrete 4313 cy
Structural Rebar 266.80 tons
Slab Concrete 5470 cy
Slab Rebar 87.86 tons + mesh + supports

UNIT PRICES

1. 3,000 psi Concrete, in place, per Cubic Yard

\$ _____ /CY

2. 4,000 psi Concrete, in place, per Cubic Yard

\$ _____ /CY

3. 5,000 psi Concrete, in place, per Cubic Yard

\$ N/A /CY

TOTAL MANHOURS

Total man-hours figured in the base project # _____

Proposed crew hours and equipment:

List all jobs working on concurrently to the work schedule for this scope:

MINORITY/WOMEN BUSINESS ENTERPRISE

Is this bidder a qualified MWBE? YES/NO

Are any subcontractors affiliated with this bidder a qualified MWBE? YES/NO

If yes to either of the questions above; please provide accredited documentation upon award.

VALUE ENGINEERING List below any value engineering proposals you may.

Description	\$ Amount
1. N/A	
2.	
3.	

EXCEPTIONS, IF ANY List any clarifications or exceptions to the scope of work, terms and conditions, or other requirements under the Bid Package. Be specific and indicate items such as specific spec section and paragraph, attachment form number, name and paragraph, etc.

SEE ESTIMATE # 2016-053 FOR TOTAL SCOPE

ADDITIONAL INFORMATION

Names of any second-tier subcontractors or major suppliers Bidder intends to use:

Concrete Craftsmen Inc.

Names of key personnel including projects of a similar size and nature performed by each person

PROJECT MANAGER

Project Location

ONSITE SUPERVISOR

TBD

Project

Location

AWARD

The Bidder acknowledges and understands that PC Construction Company reserves the right to reject any or all Bids, to waive any informality in any Bid, and generally take such action as shall be in the Owner's and PC Construction Company's best interest.

PC Construction reserves the right to combine project bid packages and project scopes as appropriate to provide the Dover School District with the best value.

INSURANCE REQUIREMENTS

Bidder has verified with insurance carrier that they can meet all PC requirements as called out on the attached sample certificate of insurance.

PAYMENT AND PRICING TERMS

Bidder acknowledges that subcontract, if awarded, will be subject to the following payment and pricing terms.

- a. A payment and performance bond is a requirement for all subcontractors whose contract value is in excess of \$100,000. For bid responses greater than \$100,000, the cost for the payment and performance bond must be identified separately as shown on the bid response form and also included in the total bid amount. For bid responses with an amount less than \$100,000, an add-alternate cost for a bond must be provided. PC reserves the right to require a bond on any subcontractor, regardless of contract amount.
- b. Subcontractor to submit schedule of values to be approved by the Project Manager prior to the first payment.
- c. Payment will be made in accordance with Article 9 of the P220 Subcontract Terms and Conditions, with 10% retainage.
- d. To receive payment for the month's work, subcontractor must submit a requisition and a properly executed Waiver of Lien and Release of Claim (Form P-235) on or before the 25th of each month for work completed through the last day of the month. Payments will be forwarded to subcontractors by the last business day of each month.
- e. This project is tax exempt. State and Local Taxes are not to be included.

f. HOURLY RATE PRICING.

For the purpose of evaluating or determining the cost of any additional work list hourly rates. Rates should include all costs including benefits, insurances, OH&P, etc. Rates shall be in effect for the duration of the project.

Position	Hourly Rate	Premium Rate*	Overtime Rate**	Deduct Rate
Superintendent	55.00		82.50	
Foreman	48.00		72.00	
Skilled Laborer	45.00		67.50	
General Laborer	38.00		57.00	

Reinforcing 45.00 67.50
 Rigger / Signal 45.00 67.50

*Premium Rate is off hours, not overtime

** Overtime Rate should reflect time and one half on the base hourly rate. Overtime Rate does not apply until 40 hours are worked, on this project, in a given week.

Deduct Rate shall be used for any reductions in scope made throughout the course of the project.

Mark up on change orders will be as follows. These markups also apply to any vendors and second tier subcontractors used on the project.

MATERIAL - Invoice cost plus 10% overhead and profit.

EQUIPMENT - Rental invoice cost plus 10% overhead and profit, or if owned equipment Bluebook rate without any additional mark up.

SECOND TIER SUBCONTRACTOR - Second tier subcontractor cost plus 5% overhead and profit.

g. UNIT PRICING.

For the purpose of evaluating or determining the cost of any additional work list unit prices for each item below. Unit prices are the installed price, unless noted otherwise, and should include all costs including overhead and profit.

ATTACHMENTS INCORPORATED HEREIN BY REFERENCE

Bidder to initial next to each attachment representing that he has thoroughly examined each Attachment, that the amounts on the Bid Form reflect any and all costs associated with complying with terms, conditions and other requirements of the Attachments, and further represents that the bidder can and will enter into a subcontract, if awarded, that is subject to the same.

Initial

☒ AIA Sample Form
☒ E018b.Policy Regarding Discrimination and Harassment and Equal Employment Opportunity - Bilingual
☒ P220.Subcontract Terms and Conditions
☒ P220A.Subcontractor Safety Agreement
☒ P235.Waiver of Lien and Release of Claim
☒ P350.Subcontract Performance Bond
☒ P355.Subcontract Labor and Material Payment Bond
☒ SF060.Subcontractor Safety and Health Questionnaire
☒ 15027 Schedule 061716
☒ Draft Construction Phasing Plan 050416
☒ Project Specific Requirements
☒ Volume 1 60% CD 061516 Combined
☒ Specification Volume 1 061516
☒ Volume 2 60% CD 061516 Combined
☒ Specification Volume 2 061516

The undersigned agrees that Bidder shall enter into a subcontract, if awarded, in accordance with this Bid Package and subject to the terms, conditions, and other requirements of the Attachments hereto and of the Contract Documents, and shall do so within five days of receipt of said subcontract.

Company Name: N.W. Giles Foundations Inc.

By: Dale Daggett

Title: Project Coordinator

Date: 7/15/16



82 Nadine's Way
Bangor, Maine 04401
(207) 942-9445

"Safety Is Our Foundation"

Estimate

Date: July 14, 2016

Bid Revision Dates:

Estimate# 2016-053 - Base on 60% drawings. Re-pricing would be needed with 100% drawings

Name: P C Construction / Scott Blair

Address:

Phone Number:

Fax:

Project Name: Dover NH High School

Estimated Contract Cost: \$5,189,485.00

Addendum:	1	Have been acknowledged
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Clarifications:	N/A	Have been acknowledged
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Foundation and Slab Package:

\$5,119,645.00

Continuous Footings @ "STD" Walls

2,487 lf 2' 0" x 1' 0"
103 lf 3' 0" x 1' 0"
76 lf 4' 6" x 1' 6"
176 lf 4' 0" x 1' 6"
108 lf 2' 6" x 1' 0"
172 lf 3' 6" x 1' 0"
3000 psi concrete
2,979 lf key @ footing
47 ea. footing steps

Foundation Walls (STD Walls Only)

2,216 lf 3' 6" x 1' 2"
31 lf 2' 9" x 1' 2"
401 lf 4' 6" x 1' 2"
43 lf 5' 6" x 1' 2"
27 lf 6' 6" x 1' 2"
10 lf 7' 6" x 1' 2"
2 lf 8' 6" x 1' 2"
8 lf 9' 6" x 1' 2"
2 lf 10' 6" x 1' 2"
11 lf 11' 6" x 1' 2"
17 lf 12' 6" x 1' 2"
8 lf 13' 6" x 1' 2"
2 lf 14' 6" x 1' 2"
11 lf 15' 6" x 1' 2"
17 lf 16' 6" x 1' 2"
21 lf 18' 6" x 1' 2"
51 lf 3' 10" x 8"
38 lf 1' 0" x 8"
40 lf 2' 10" x 8"
60 lf 4' 6" x 1' 0"
48 lf 5' 0" x 1' 0"
10 lf 3' 6" x 1' 0"

Foundation Walls (STD Walls Only) Cont.

47 lf 12' x 1' 0"
24 lf 5' 2" x 1' 2"
294 lf 2' 0" x 1' 6"
19 lf 7' 0" x 8"
40 lf 6' 6" x 1' 0"
20 lf 2' 0" x 1' 0"
40 lf 6' 4" x 1' 0"
24 lf 1' 6" x 1' 0"
10 lf 16' 0" x 1' 4"
3 lf 14' 2" x 1' 4"
3 lf 12' 4" x 1' 4"
3 lf 10' 6" x 1' 4"
3 lf 9' 6" x 11' 4"
5 lf 7' 8" x 1' 4"
23 lf 5' 6" x 1' 4"
6 lf 4' 6" x 1' 4"
43 lf 3' 6" x 1' 4"
48 lf 5' 0" x 1' 0"
9 lf 9' 0" x 1' 2"
22 lf 3' 0" x 1' 6"
3000 psi concrete
860 lf key @ top walls
8 ea. top wall steps
32 ea. wall drops
1 ea. wall bump out
300 lf dove tail slats
281 lf 3/4" chamfer
46 ea. 3/4" diameter anchor bolts to set
shelf conditions:
100 lf 8" w x 1' 0"
39 lf 8" w x 2' 0"
2,700 lf 8" w x 9"
50 lf 8" w x 3' 0"
27 lf 8" w x 1' 2"
29 lf 8" w x 6' 1"
5 lf 8" w x 2' 8"
23 lf 8" w x 1' 4"
10 lf 8" w x 5' 0"
6 lf 8" w x 9' 0"
7 lf 8" w x 6' 0"
10 lf 8" w x 10' 0"
6 lf 8" w x 2' 4"
6 lf 8" w x 16' 0"
4 lf 8" w x 18' 0"
24 ea. shelf steps
sleeves
4 ea. 12" diameter
2 ea. 8" diameter
3 ea. 4" diameter

Retaining Wall Footings

293 lf 10' 0" x 2' 0"
19 lf 6' 6" x 1' 6"
322 lf 12' 0" x 2' 6"
21 lf 6' 0" x 1' 6"
50 lf 7' 6" x 2' 0"
31 lf 9' 0" x 2' 0"
110 lf 6' 6" w x 1' 6"
3000 psi concrete
846 lf key

Retaining Wall Footings (Cont.)

21 ea. steps

Retaining Walls

23 lf 16' 6" x 1' 4"

101 lf 14' 5" x 1' 4"

76 lf 9' 8" x 1' 4"

16 lf 16' 10" x 1' 4"

131 lf 15' 10" x 1' 4"

8 lf 17' 10" x 1' 4"

14 lf 18' 10" x 2' 0"

21 lf 7' 6" x 1' 2"

248 lf 17' 10" x 2' 0"

10 lf 8' 1" x 1' 6"

9 lf 9' 1" x 1' 6"

25 lf 10' 1" x 1' 6"

33 lf 11' 1" x 1' 6"

2 lf 12' 1" x 1' 6"

2 lf 13' 1" x 1' 6"

2 lf 14' 1" x 1' 6"

25 lf 15' 1" x 1' 6"

3 lf 14' 1" x 2' 0"

2 lf 15' 1" x 2' 0"

2 lf 16' 1" x 2' 0"

62 lf 17' 1" x 2' 0"

3000 psi concrete

618 lf key @ top walls

17 ea. wall plates w/studs

996 lf 3" x 3" angle w/studs

2,800 lf dove tail slats

42 lf 3/4" chamfer

14 lf 8" x 14' 6" shelf

232 lf 8" x 14' 0" shelf

16 lf 8" x 9" shelf

10 lf 8" x 6' 10" shelf

44 lf 8" x 8' 2" shelf

27 lf 8" x 9' 6" shelf

10 lf 8" x 10' 10" shelf

20 lf 8" x 12' 2" shelf

4 lf 8" x 13' 6" shelf

62 lf 8" x 14' 10" shelf

Interior Footings @ Radius Walls in Auditorium Area

249 lf total

115 lf (81' 2") 4' 6" x 1' 6"

70 lf (74' 0") 2' 0" x 1' 0"

64 lf (68' 0") 2' 0" x 1' 0"

3000 psi concrete

134 lf key @ footing

Radius Foundation Walls

70 lf (74' 0") 2' 3" x 8"

64 lf (68' 0") 2' 3" x 8"

3000 psi concrete

Perimeter Pier Footings

sizes & quantities

30 ea. 4' x 4' x 1' 6"

26 ea. 5' x 5' x 1' 6"

2 ea. 5' x 5' x 2' 6"

12 ea. 6' x 6' x 1' 8"

5 ea. 6' x 6' x 2' 6"

4 ea. 7' x 7' x 1' 10"

9 ea. 7' x 7' x 2' 6"

15 ea. 8' x 8' x 2' 6"

1 ea. 8' x 14' x 2' 6"

3 ea. 9' x 9' x 2' 2"

14 ea. 9' x 9' x 2' 6"

3 ea. 10' x 10' x 2' 6"

1 ea. 11' x 11' x 3' 0"

3000 psi concrete

Perimeter Piers

sizes & quantities (160 ea. total)

1 ea. 1' 6" x 2' x 13' 6"

1 ea. 1' 6" x 1' 6" x 11' 0"

1 ea. 1' 6" x 3' 4" x 15' 0"

1 ea. 1' 6" x 3' 4" x 16' 0"

1 ea. 2' 6" x 2' 0" x 2' 0"

1 ea. 1' 6" x 2' 8" x 2' 0"

5 ea. 1' 6" x 0' 6" x 2' 0"

4 ea. 2' 8" x 2' 8" x 2' 0"

4 ea. 1' 6" x 2' 0" x 2' 0"

8 ea. 1' 6" x 1' 6" x 2' 6"

7 ea. 2' 8" x 2' 8" x 3' 0"

2 ea. 1' 6" x 1' 6" x 3' 0"

4 ea. 1' 6" x 2' 0" x 3' 0"

7 ea. 1' 6" x 3' 4" x 3' 0"

1 ea. 2' 6" x 2' 0" x 3' 0"

5 ea. 1' 6" x 2' 8" x 3' 0"

1 ea. 1' 6" x 2' 0" x 4' 5"

5 ea. 1' 6" x 2' 0" x 5' 6"

3 ea. 1' 6" x 3' 4" x 3' 6"

1 ea. 1' 6" x 1' 6" x 3' 6"

6 ea. 1' 6" x 3' 4" x 2' 6"

34 ea. 1' 6" x 2' 0" x 2' 6"

5 ea. 2' 6" x 2' 0" x 2' 6"

1 ea. 2' 6" x 2' 0" x 2' 0"

8 ea. 1' 6" x 3' 8" x 2' 0"

2 ea. 2' 6" x 2' 0" x 14' 0"

1 ea. 2' 8" x 2' 8" x 14' 0"

1 ea. 2' 6" x 2' 0" x 10' 0"

9 ea. 2' 6" x 4' 0" x 2' 6"

1 ea. 2' 6" x 4' 0" x 8' 6"

1 ea. 1' 6" x 2' 0" x 12' 6"

2 ea. 1' 6" x 3' 8" x 13' 6"

1 ea. 2' 6" x 2' 0" x 14' 6"

2 ea. 1' 6" x 2' 6" x 15' 6"

4 ea. 1' 6" x 2' 6" x 14' 6"

1 ea. 2' 6" x 4' 0" x 14' 6"

1 ea. 1' 6" x 2' 0" x 6' 6"

3 ea. 2' 6" x 4' 0" x 4' 6"

7 ea. 1' 6" x 2' 6" x 16' 0"

2 ea. 1' 6" x 1' 4" x 16' 0"

1 ea. 2' 8" x 2' 8" x 16' 0"

4 ea. 1' 6" x 2' 0" x 14' 0"

Perimeter Piers (Cont.)

3000 psi concrete
720 ea. anchor bolts to set

Interior Isolated Pier Footings

sizes & quantities
11 ea. 4' x 4' x 1' 6"
22 ea. 5' x 5' x 1' 6"
5 ea. 5' x 5' x 2' 6"
20 ea. 6' x 6' x 1' 8"
15 ea. 6' x 6' x 2' 6"
26 ea. 7' x 7' x 1' 10"
25 ea. 7' x 7' x 2' 6"
10 ea. 8' x 8' x 2' 0"
14 ea. 8' x 8' x 2' 6"
3 ea. 8' x 14' x 2' 6"
5 ea. 9' x 9' x 2' 2"
18 ea. 9' x 9' x 2' 6"
15 ea. 10' x 10' x 2' 6"
1 ea. 11' x 11' x 3' 0"
1 ea. 11' x 22' x 2' 6"
1 ea. 12' x 12' x 3' 0"
3000 psi concrete
1,086 ea. anchor bolts to set

Interior Isolated Piers

sizes & quantities
2 ea. 2' 0" x 3' 2" x 2' 11"
3 ea. 2' 0" x 3' 2" x 2' 6"
1 ea. 2' 0" x 2' 0" x 14' 0"
3 ea. 2' 0" x 2' 0" x 7' 6"
2 ea. 2' 0" x 2' 0" x 13' 0"
2 ea. 2' 0" x 2' 0" x 6' 6"
3 ea. 2' 0" x 2' 0" x 2' 0"
4 ea. 2' 0" x 2' 0" x 5' 0"
1 ea. 2' 0" x 2' 0" x 4' 10"
1 ea. 2' 0" x 2' 0" x 7' 1"
3 ea. 2' 0" x 2' 0" x 3' 0"
2 ea. 2' 4" x 2' 4" x 2' 6"
1 ea. 2' 4" x 2' 4" x 6' 6"
1 ea. 2' 4" x 2' 4" x 4' 0"
2 ea. 2' 0" x 2' 0" x 10' 0"
3000 psi concrete
132 ea. anchor bolts to set

Elevator Pit Slabs

2 ea. 12' 0" x 12' 4" x 1' 6"
2 ea. 2' x 2' x 2' supports
3000 psi concrete
100 lf key @ top slabs
296 sf cure
100 lf water stop rx

Grade Beams (Interior Location Only)

1,250 lf 2' 0" w x 2' 6" h
3000 psi concrete
32 ea. #70 threaded rods

C.I.P. Interior Stairs @ Auditorium

2 sets stairs 6 risers x 5' wide (+/-)
4000 psi concrete
90 sf cure

Grout Base Plates

303 ea. base plates
5000 psi grout

Continuous Footings @ Long Set of C.I.P. Exterior Stairs @ Southside Building

76 lf 2' 0" x 1' 0"
48 lf 4' 0" x 1' 6"
3000 psi concrete

Foundation Walls @ C.I.P. Stairs (Exterior of Line BP)

76 lf 3' 0" x 1' 0"
48 lf 4' 6" x 1' 0"
3000 psi concrete

Landings Only @ C.I.P. Exterior Stairs @ Southside Building

1 ea. 4' 0" long x 9' 6" wide x 6"
3 ea. 5' 0" long x 9' 6" wide x 6"
1 ea. 2' 6" long x 9' 6" wide x 6"
4500 psi concrete
32 ea. 3" diameter x 6" sleeves
181 sf wet cure
181 sf salt guard
22 lf 3" x 3" cast in gutter @ edge of platforms
48 lf 4" h x 8 1/2" w shelf

C.I.P. Stairs @ Exterior of Building (Southside)

1 set of 6 risers x 9' 6" w
3 sets of 7 risers x 9' 6" w
4500 psi concrete
42 lf 1/2" x 6" expansion joint
385 sf wet cure
385 sf salt guard
27 lf 3" x 3" gutter @ inside edge of steps

Perimeter Columns

153 ea. with stem bond outs

Infill Bond Outs Behind Perimeter Columns

153 ea. column infills
93 lf of stem 6" w x 1' 6" (+/-) h
3000 psi concrete

Base Slab @ Dockboard

1 ea. 9' x 10' x 1' (90 sf)
4000 psi concrete
90 sf wet cure
12 lf angle w/studs to set
24 lf key @ slab

Slabs

Stepped Seating @ Auditorium Only

2,427 sf total
1st level: 109 lf 4' 4" w x 1' 2"
2nd level: 112 lf 3' 0" w x 6 1/2"
3rd level: 112 lf 3' 0" w x 6 1/2"
4th level: 110 lf 3' 0" w x 6 1/2"
5th level: 110 lf 3' 0" w x 6 1/2"
6th level: 110 lf 3' 0" w x 6 1/2"
7th level: 108 lf 3' 0" w x 6 1/2"
4000 psi concrete
2,427 sq ft cure

Vertical Wall Sections @ Auditorium Stepped Seating

115 lf 1' 2" h x 5" (1st step)
112 lf 1' 2" h x 5" (2nd step)
112 lf 1' 2" h x 5" (3rd step)
110 lf 1' 2" h x 5" (4th step)
110 lf 1' 2" h x 5" (5th step)
108 lf 1' 2" h x 5" (6th step)
4000 psi concrete
789 sf rub finish

C.I.P. Stepped Seating @ Auditorium Area

108 lf (elev. 4' 8") 3' 0" w x 1' 2" h
108 lf (elev. 3' 6") 3' 0" w x 1' 2" h
108 lf (elev. 2' 4") 3' 0" w x 1' 2" h
108 lf (elev. 1' 2") 3' 0" w x 1' 2" h
108 lf (top section @ elev. 0' 0"(98'0")) 3' 0" w x 1' 2" h
4000 psi concrete
1620 sf wet cure
635 sq ft rub finish

Stepped Seating 4 1/2" "NW" Slab on 2" Comp Deck Form

1st level: 33 lf (base section) 4' 4" w x 1' 2"
2nd level: 32 lf 3' 0" w x 6 1/2"
3rd level: 30 lf 6' 0" w x 6 1/2"
4th level: 28 lf 3' 0" w x 6 1/2"
5th level: 27 lf 3' 0" w x 6 1/2"
6th level: 26 lf 3' 0" w x 6 1/2"
7th level: 25 lf 3' 0" w x 6 1/2"
4000 psi concrete
737 sf wet cure

Vertical Wall Sections @ The Forum Stepped Seating

1st wall: 33 lf 2' 8" h x 10"
2nd wall: 32 lf 1' 2" h x 5"
3rd wall: 31 lf 1' 2" h x 5"
4th wall: 29 lf 1' 2" h x 5"
5th wall: 28 lf 1' 2" h x 5"
6th wall: 27 lf 1' 2" h x 5"
7th wall: 26 lf 1' 2" h x 5"
8th wall: 25 lf 1' 2" h x 5"
4000 psi concrete
323 sf rub finish

C.I.P. Steps @ Forum Stepped Seating Area

10 ea. step sections 6' 0" wide
4000 psi concrete
100 sf cure
100 sf rub finish

C.I.P. Steps @ Auditorium Stepped Seating Area

32 ea. 11" w x 4' 6" long x 7" h
4000 psi concrete
131 sf cure
131 sf rub finish

6" S.O.G. @ Part A (Ground Floor Area & 1st Floor Level

37,081 sf
4000 psi concrete
1,604 lf expansion joint
4,813 lf saw cuts
37,081 sf wet cure
42,643 sf vapor barrier under slab
1 ea. (mat area) 10' x 27' x 1 1/2" depression
1 ea. (cooler area) 22' x 32' x 5" depression
1 ea. (stage area) 3000 sf x 1 1/2" depression
1 ea. (toilet rm) 24' x 14' x 1" depression

5" & 6" S.O.G. @ Part B Ground Floor Level

41,365 sf
4000 psi concrete
33,600 sf 6 x 6 - w2.9 x w2.9
658 lf 1/2" x 5" expansion joint
458 lf 1/2" x 6" expansion joint
5,200 lf saw cuts
41,365 sf wet cure
47,600 sf vapor barrier under slab
gym slab (6,718 sf) is depressed 3/4"
gym slab w/wood floor(13,845 sf) is depressed 2 1/2"
toilet rooms 2 ea. (630 sf) is depressed 1"
team rooms (264 sf) is depressed 1"
weight area (2,910 sf) is depressed 3/4"

5" S.O.G. @ Part C Ground Floor Level & 1st Floor Level

18,540 sf
4000 psi concrete
21,300 sf 6 x 6 - w2.9 x w2.9
721 lf 1/2" x 5" expansion joint
2,629 lf saw cuts
18,540 sf wet cure
21,300 sf vapor barrier under slab
1 ea. 26' x 28' x 1" depression (988 sf)
1 ea. 43' x 26' x 1" depression (1,238 sf)
1 ea. 32' x 30' x 1" depression (1,060 sf)
1 ea. 11' x 12' x 1" depression (132 sf)

5" S.O.G. @ Part D 1st Floor Level

27,721 sf
4000 psi concrete
31,900 sf 6 x 6 - w2.9 x w2.9
888 lf 1/2" x 5" expansion joint
4,466 lf saw cuts
27,721 sf wet cure
32,000 sf vapor barrier under slab
1 ea. 22' x 24' x 1" depression (528 sf)

5" x 6' S.O.G. @ Part E 1st Floor Level

28,195 sf
4000 psi concrete
18,600 sf 6 x 6 - w2.9 x w2.9
382 lf 1/2" x 5" expansion joint
377 lf 1/2" x 6" expansion joint
4,384 lf saw cuts
28,195 sf wet cure
32,400 sf vapor barrier under slab
(toilet rm) 21' x 24' x 1" depression (504 sf)
(mat) 7' x 8' x 1 1/2" depression (56 sf)
170 lf drain trench
286 lf 2 x 2 angle w/studs to set

5" x 6" S.O.G. @ Part F 1st Floor Level

24,960 sf
4000 psi concrete
7000 sf 6 x 6 - w2.9 x w2.9
198 lf 1/2" x 5" expansion joint
600 lf 1/2" x 6" expansion joint
3,924 lf saw cuts
24,960 sf wet cure
28,800 sf vapor barrier under slab

1st Floor Level Part A 4 1/2" NW Concrete Slab on 2" Composite Deck Form

5,134 sf
4000 psi concrete
5,900 sf 6 x 6 - w2.9 x w2.9
5,134 sf moisture cure

1st Floor Level Part A (F-4 Slab)

896 sf 4" slab on deck form
4000 psi concrete
1,030 sf 6 x 6 - w2.9 x w2.9
896 sf moisture cure

1st Floor Level Part B (F-2 type slab)

11,287 sf 6 1/2" slab on deck form
4000 psi concrete
12,900 sf 6 x 6 - w2.9 x w2.9
71 ea. #4 diameter x 3' threaded bars
11,287 sf moisture cure
50 pcs #4 diameter x 3' w/std hook

1st Floor Level Part C (F-2 type slab)

6,318 sf 6 1/2" slab on deck
4000 psi concrete
7,300 sf 6 x 6 - w2.9 x w2.9
6,318 sf moisture cure

2nd Floor Level Part A (F-2 type slab)

5,503 sf 6 1/2" slab area
4000 psi concrete
6,400 sf 6 x 6 - w2.9 x w2.9
5,503 sf moisture cure
50 ea. #4 diameter x 3' threaded rods
312 ea. #4 diameter x 3' bars w/std hook

2nd Floor Level Part B (F-2 type slab)

7,869 sf 6 1/2" slab on deck form
4000 psi concrete
9,000 sf 6 x 6 - w2.9 x w2.9
7,869 sf moisture cure

2nd Floor Level Part C (F-2 type slab)

5,066 sf 6 1/2" slab on deck form
4000 psi concrete
5,900 sf 6 x 6 - w2.9 x w2.9
5,066 sf moisture cure
52 ea. #4 diameter x 3' threaded rods

2nd Floor Level Part C (F-1 type slab)

10,655 sf 4" slab on 9/16" deck form
4000 psi concrete
12,300 sf 6 x 6 - w2.9 x w2.9
10,655 sf moisture cure

2nd Floor Level Part D (F-1 type slab)

24,180 sf 4" slab on 9/16" deck form
4000 psi concrete
27,800 sf 6 x 6 - w2.9 x w2.9
24,180 sf moisture cure
28 ea. #4 diameter x 3' threaded rods

2nd Floor Level Part E (F-1 type slab)

15,913 sf 4" slab on 9/16" form deck
4000 psi concrete
18,300 sf 6 x 6 - w2.9 x w2.9
15,913 sf moisture cure

2nd Floor Level Part F (F-1 type slab)

15,924 sf 4" slab on 9/16" deck form
4000 psi concrete
18,300 sf 6 x 6 - w2.9 x w2.9
15,924 sf moisture cure
24 ea. #4 diameter x 3' threaded rods

2nd Floor Level Part F (F-2 type slab)

6,584 sf 6 1/2" slab on deck form
4000 psi concrete
7,600 sf 6 x 6 - w2.9 x w2.9
6,584 sf moisture cure

Roof Level Concrete Equipment Pad

sizes & quantities

1 ea. 18' 0" x 100' 0" x 5"

2 ea. 15' 0" x 28' 0" x 5"

1 ea. 14' 0" x 31' 0" x 5"

1 ea. 25' 0" x 67' 0" x 5"

1 ea. 17' 6" x 35' 0" x 5"

2 ea. 15' 0" x 34' 0" x 5"

1 ea. 14' 6" x 28' 6" x 5"

1 ea. 17' 0" x 41' 0" x 5"

3 ea. 15' 0" x 23' 0" x 5"

1 ea. 15' 0" x 36' 0" x 5"

1 ea. 20' 0" x 41' 0" x 5"

1 ea. 15' 0" x 32' 0" x 5"

4000 psi concrete

12,600 sf 6 x 6 - w2.9 x w2.9

11,023 sf total pad area

11,023 sf moisture cure

Pan Stair Infill (5 sets)

176 ea. steps 7' 0" long x 2"

4000 psi concrete

1,232 sf step area

1,232 sf moisture cure

Landing Infill (5 sets stairs)

sizes & quantities

2 ea. 8' 6" x 16' 0"

1 ea. 7' 0" x 16' 0"

3 ea. 9' 0" x 16' 0"

3 ea. 8' 0" x 10' 0"

2 ea. 8' 0" x 18' 0"

2 ea. 11' 0" x 18' 0"

1 ea. 10' 0" x 18' 0"

1 ea. 8' 0" x 8' 0"

1 ea. 8' 0" x 20' 0"

1 ea. 10' 0" x 12' 0"

1 ea. 8' 0" x 10' 0"

4000 psi concrete

2,664 sf moisture cure

2" rigid insulation under entire slab on grade area

196,000 sf 2" rigid insulation

Addendum #1**Items to Add Per Drawing Dated 7/6/2016****Drawing S2-OA**

Walls at auditorium pit area have been made into radius walls at end of pit area
56 lf of 3' 8" h (+/-) w/radius forms

Continuous Footings @ Deck Area C.I.P. Stairs Item #2

Footings - sizes & quantities

6 lf 2' 0" x 1' 0"

9 lf 4' 0" x 1' 6"

3000 psi concrete

12 lf 12" footing forms

18 lf 18" footing forms

15 lf key @ footing

Foundation Walls @ Dock Stairs

sizes & quantities

6 lf 3' 6" x 1' 0"

9 lf 8' 0" h (+/-) x 1' 0" (top slopes)

3000 psi concrete

192 sfca wall forms

6 lf key @ top wall

20 lf 3/4" chamfer

36 sf rub finish

C.I.P. Stairs to Dock Area

1 set 8 risers x 5' 0" wide

4000 psi concrete

60 sf moisture cure

60 sf salt guard

60 sf rub finish

footings @ spray booth

sizes & quantities

81 lf 6' 0" w x 8"

12 lf 2' 0" w x 1' 0"

3000 psi concrete

192 lf key @ footing

Foundations Walls @ Added Spray Booth & Modifications to O.H. Doors @**Spray Booth Area**

sizes & quantities

177 lf 2' 6" x 8" (pit area)

12 lf 2' 6" w x 1' 2" (O.H. doors)

3000 psi concrete

945 sfca wall forms

177 lf 2" x 2" angle to set w/studs

Small Section of Electrical Slab Above The Spray Booth Trench

1 ea. 5' 0" x 5' 0" x 6"

4000 psi concrete

25 sf elec forms

25 sf wet cure

Mat Footings @ Acid Naturalization Pit in Physics Lab

1 ea. 7' 0" x 9' 0" x 1' 0"

3000 psi concrete

24 lf key @ top footing

Foundation Walls @ Acid Naturalization Pit Area

24 lf 7' 0" (+/-) x 1' 0"

3000 psi concrete

336 sfca wall forms

24 lf key @ top wall

Alt. price for 2" rigid insulation under slab in only 2' 0" from exterior walls

8,400 sf 2" rigid insulation / (-\$234,500.00)

Performance & Payment Bonds:

\$69,840.00

NOTES:

- 1) Pricing is based on 60% drawings. Re-pricing will be done with 100% drawings
- 2) All winter conditions to be billed at a T&M rates supplied, i.e.
 - Hot water / \$5.00 per c/y
 - Accelerators / \$6.05 per percent, per c/y
 - Tenting and heating / per man-hour @ provided rates + materials
 - Snow removal (shoveling snow) / per man-hour @ rates provided
 - Blanketing / per man-hour @ rates provided
- 3) Per schedule, there is no concrete scope extended into 2018, i.e.
 - We have not carried any material escalators for 2018 work.
- 4) Concrete slab polishing and staining is not included in our proposal
- 5) We have assumed that the slab placements scheduled for the winter months will be in an enclosed and heated environment.

Included:

- Performance & Payment Bonds
- Lay-out from control points supplied by others
- Concrete per specifications
- Reinforcing per drawings
- Placement of embedded items supplied by others
- Form, reinforce, place & finish

Excluded:

- Sales tax
- Wage scale
- Materials testing
- Winter concrete
- Tenting and temporary heat
- De-watering
- Ledge conditions
- Embedded items other than reinforcing steel
- Structural anchor bolts
- Foundation water/damp proofing
- Perimeter insulation
- Excavation backfill
- Saw cutting Demolition / Removals
- Pipe bollards; assume precast
- Concrete Light pole bases; assume precast
- Concrete Sign bases; assume precast
- Concrete fence posts; assume precast
- Concrete Thrust blocks; assume precast
- Precast concrete items
- Transformer pads; assume precast
- Joint sealants
- Polished concrete**
- Floor hardeners / Chemical hardeners
- Concrete cap at elevator shafts
- Exterior door stoops and approach slabs
- House-Keeping & equipment pads inside the building
- Concrete at embedded conduits under slabs
- Flowable fill
- Site concrete (all concrete beyond building line except for retain wall @ B10
And CIP stair at line BP
- Field welding & suppling the Lenton couplers at the elevated deck slab
- Drainage board at foundation walls
- Drill-in anchors with epoxy injection
- Third party lay-out, inspections, testing and survey of any type
- Work associated with the Animal Science Building
- Intragal color or stained concrete

Proposal is valid for 60 days

Items not explicitly listed above are not to be assumed to be included:

All material is guaranteed to be as specified. All work to be completed in a workmanship manor to standard practices. Any alterations or deviations from specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate.

Our workers are fully covered by Worker's Compensation Insurance.

From: Concrete Craftsmen <cciinc@fairpoint.net>
Sent: Monday, July 25, 2016 1:36 PM
To: Scott Blair
Subject: RE: Dover HS

The new proposal includes the cost of rigid for the entire slab on grade.
The Alternate – to remove all but 2' around perimeter would be a credit of \$236,550.00

Justin Hasch

Foreman / Bidding / Estimating

Concrete Craftsmen, Inc

225 Wilson Pond Road

N. Monmouth, ME 04265

(O) [207-933-4518](tel:207-933-4518)

(F) [207-933-3860](tel:207-933-3860)

(C) [207-240-9978](tel:207-240-9978)

From: Scott Blair [<mailto:sblair@pcconstruction.com>]
Sent: Monday, July 25, 2016 1:28 PM
To: Concrete Craftsmen <cciinc@fairpoint.net>
Subject: RE: Dover HS

Thanks Justin. Does this include rigid under the entire slab on grade or just the 2' perimeter?

Scott Blair

Project Manager
PC Construction Company
Dover High School & CTC
25 Alumni Drive
Dover, NH 03820
603-664-3017 office
603-343-3289 cell
www.pcconstruction.com

| AT PC WE GO ABOVE AND BEYOND ON EVERY JOB, PERIOD.

From: Concrete Craftsmen [<mailto:cciinc@fairpoint.net>]

Sent: Monday, July 25, 2016 1:24 PM

To: Scott Blair <sblair@pcconstruction.com>

Subject: Dover HS

Please see the attached proposal for pricing. Any questions feel free to email or call. Thank you.

Justin Hasch

Foreman / Bidding / Estimating

Concrete Craftsmen, Inc

225 Wilson Pond Road

N. Monmouth, ME 04265

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(F) [207-933-3860](tel:207-933-3860)

(C) [207-240-9978](tel:207-240-9978)

Premier Concrete Construction, LLC

614 Gibbons Highway
Wilton, NH 03086

Estimate

DATE	ESTIMATE NO.
7/13/2016	5292

NAME / ADDRESS
PC Construction 193 Tilly Dr South Burlington, VT 05403

				PROJECT
				Dover HS Flatwork
DESCRIPTION				TOTAL
FLATWORK:				
Provide labor to install wiremesh, place and finish 50,423sq.ft. of 5" and 6" ground level slab on grade with several areas of recess up to 4"				60,500.00
Provide labor and materials to install wiremesh, place and smooth finish 20,000sq.ft. of gym slab on grade				29,500.00
Provide labor to place and finish 445sq.ft. of 4" thick mechanical pads in several locations				4,450.00
Provide labor to install wiremesh, place and finish 90,011sq.ft. of 5" and 6" 1st floor main slab on grade with several areas of recess up to 4", includes auto pits (shoring not included)				108,000.00
Provide labor to install rebar mat, place and finish 6,160sq.ft. of 8" thickened slab on grade at bleachers in 2 locations				8,316.00
Provide labor to install heavy wiremesh, place and finish 31,139sq.ft. of 6 1/2" total thickness 1st floor slab on deck, no sawcutting included				37,400.00
Provide labor to place and finish 1,500sq.ft. of 6" thick slab on grade under tiered slab on deck, formed at 12" high over base				2,200.00
Provide labor to place and finish 2,000sq.ft. of main auditorium tiered seating on deck, formed at 24" at every other run, 14" high at in-betweens with 673' of forming at 9 tiers				28,000.00
Provide labor to place and finish 48 - 48" wide x 7" high CIP treads at tiered seating				14,400.00
Provide labor to place and finish 900sq.ft. of 14" transitions of main auditorium seating on grade with 20" height at in-betweens, radius forming and 373' of forming on 5 tiers				13,000.00
Provide labor to place and finish 1,280sq.ft. of 6" auditorium sloped slab on grade				2,400.00
Provide labor to place and finish 545sq.ft. of 6" auditorium ramps formed over frostwalls in 2 tiers (walls by others)				2,725.00
Provide labor to place and finish 984sq.ft. of 6" auditorium lower level slab on grade				2,000.00
Provide labor to place and finish 3,367sq.ft. of 6" auditorium stage slab on grade				4,040.00
Provide labor to place and broomfinish 2 sets of 5' wide auditorium CIP stairs in 2 locations with 6 treads each, no abrasive nosings included				5,600.00
Provide labor to place and finish 620sq.ft. of small auditorium tiered seating on deck with 7 tiers for 320' of forming, curb and grade beam below by others				12,700.00
Provide labor to place and finish 26 - 4' wide x 7" high CIP treads at tiered seating, no nosings included				2,600.00
Provide labor to place and finish 315sq.ft. of 6" thick small auditorium slab on grade under tiered seating, formed at 12" over footing/grade beam (Grade beam by others)				1,800.00
				TOTAL
Phone #	(603) 654-2471	Fax #	(603) 654-2306	

Premier Concrete Construction, LLC

614 Gibbons Highway
Wilton, NH 03086

Estimate

DATE	ESTIMATE NO.
7/13/2016	5292

NAME / ADDRESS
PC Construction 193 Tilly Dr South Burlington, VT 05403

				PROJECT
				Dover HS Flatwork
DESCRIPTION				TOTAL
Provide labor to install 174,000sq.ft. of 2" rigid insulation at all slab on grades, non taped in single layer (If there are heat tubes, then all rigid is installed by others				52,200.00
Provide labor to install heavy wiremesh, place and finish 91,848sq.ft. of 4" and 6 1/2" tt 2nd floor slab on deck, no sawcutting included				110,220.00
Provide labor to install wiremesh, place and finish 11,669sq.ft. of 5" RTU pads/F3 roof deck slab on deck in 16 locations, assumes all edges are formed with metal pour stop by others				35,500.00
Provide labor to place and finish 9 story stairpans				13,500.00
Provide labor to place and broomfinish 2,675sq.ft. of 6" loading dock slab on grade with sawcut control formed at 12" over walls by others				8,800.00
Provide 45 concrete pumps				60,750.00
Provide hoisting for finishing operations				8,800.00
Provide labor to install L&M wetcure at interior slabs, along with spray application of 1 coat curing compound on approx. 313,000sq.ft.				39,125.00
Provide labor to install rebar @ \$575/ton for all pieces (**Price to be added to total once tonnage is known)				
EXTERIOR FLATWORK:				
Provide labor to install doweled expansion joints at 20' each way on center place and broomfinish 5,500sq.ft. of 4" main entry plaza slab				20,900.00
Provide labor to place and broomfinish 4 sets of large series CIP stairs with 7 risers each at main entry, frost/cheekwalls by others				8,800.00
Provide labor to install doweled expansion joints at 20' on center, each way, place and broomfinish 540sq.ft. of 4" CTC entry				2,100.00
Provide labor to sandblast and finish 121 isolated pieces at main entry				9,075.00
ALTERNATE for the above to be formed/placed separately due to integral color --- ADD \$19,525.00				
Provide labor to sandblast and finish 43 isolated pieces at CTC entry				3,225.00
ALTERNATE for the above to be formed/placed separately due to integral color --- ADD \$2,000.00				
Provide labor to place and finish 22,035sq.ft. of 4" sidewalk, no integral curb included (All curb to be pcc/vgc by others)				71,600.00
Provide labor to place and broomfinish 917sq.ft. of 6" thick compactor pads with 12" haunches				3,600.00
				TOTAL
Phone #	(603) 654-2471	Fax #	(603) 654-2306	

614 Gibbons Highway
Wilton, NH 03086

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[illegible]

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Page 4

