

BID FORM
for
JOLIET JUNIOR COLLEGE, MFP PH2
Joliet, IL 60431
GILBANE JOB NO. 4764

BID RELEASE 19, BID PACKAGE 12A
Lab Casework and Equipment Work
Natural Sciences Addition & Renovation
~~September 20, 2010~~
Revised: October 13, 2010

MANDATORY PRE-BID: September 27, 2010
TIME: 9:00 AM CST
LOCATION: Joliet Junior College
Building "K" – Theatre K1000
Last date for Bidder's questions is 10/06/10 by 2:00 PM

SUBMIT 1 ORIGINAL
AND 2 COPIES

PROPOSAL DUE DATE: October 19, 2010
TIME: 9:00 AM CST
BID OPENING LOCATION: Joliet Junior College
Building "T" - Room T1002

Joliet Junior College, Illinois Community College District No. 525
Office of Business and Auxiliary Services
1215 Houbolt Road
Room H1018
Joliet, Illinois 60431-8938
Attn: Judy Mitchell, Director of Business and Auxiliary Services

FORWARD
PROPOSAL TO

FIRM NAME:

_____, the undersigned.

A. Proposes to furnish all labor, materials, equipment, and services as required to satisfactorily complete all **Lab Casework and Equipment Work** herein described as **Bid Package No. 12A** as required for the construction and completion of the **Natural Sciences Addition & Renovation Project** in accordance with the Drawings and Specifications as prepared by Legat Architects and their Consultants, the Contract Documents, Project Manual Volumes 1, 2, 3 dated September 20, 2010, this Bid Form, and all documents incorporated by reference. It is expressly understood by the Bidder that each of the enumerated documents as set forth in this paragraph are incorporated by reference as part of the Bid Proposal.

B. All work required by the foregoing documents will be accomplished for the Lump Sum Bid Price of _____ (\$ _____)
(Show amount in both words and figures, in case of discrepancy amount shown in words will govern)

The Lump Sum Bid Price above EXCLUDES all applicable sales, consumer, use and other similar taxes for the project on the equipment and materials to be incorporated into the work (project is tax-exempt); INCLUDES all insurance premiums required to meet Schedule "A" - Insurance Specifications; and INCLUDES all premiums for Performance and Labor & Material Payment Bonds in the sum of one hundred ten percent of the Contract price.

- C. Bidder agrees that upon award of the contract by Joliet Junior College if written notice of the acceptance of this bid is mailed or delivered to the undersigned within sixty (60) days after the Proposal Due Date, or any time thereafter before it is withdrawn, the undersigned shall meet with representatives of Joliet Junior College and Gilbane Building Company at Joliet Junior College's office or at a mutually agreed upon location to execute the contract which is included as an Exhibit within this Project Manual. The Trade Contractor's contract will be held by and made with Joliet Junior College; Gilbane Building Company will be acting on the behalf of Joliet Junior College as their Construction Manager (agent). A Performance Bond and Labor & Material Payment Bond will be delivered to the Construction Manager at the time of execution of the Contract on the form contained within the Project Manual identifying Joliet Junior College and Gilbane Building Company as dual obligees. Failure to execute said contract within ten (10) days after receipt of written Notice to Proceed may be considered a default under the obligation of the bid bond. Insurance certificates shall be provided before starting on-site activities if such activities occur before the Contract is signed.

By submitting its bid, the Bidder hereby agrees that the Owner may, in its sole discretion, decide which combination of base bid plus alternates, (if any) would provide the Owner with the most efficient expenditure of the Owner's funds with respect to any particular Bidder. Owner's selection and determination of which combinations of base bid plus alternates (if any) would provide the most efficient expenditure of the Owner's funds shall form the basis of awarding the contract. By submitting its bid, Bidder further agrees that the sum total of the base bid plus alternates (if any) as so determined by the Owner separately for each Bidder shall be deemed to be such Bidder's bid for purposes of determining the lowest responsible Bidder for such portion of the work or for such bid package. Such determination by the Owner shall not be subject to challenge by the Bidder.

- D. The above price includes all stipulations and requirements of Supplement Numbers: _____, which have been received and accepted by the undersigned.

E. MILESTONE SCHEDULE DATES

See the Draft Milestone/Sequencing Schedule for reference. Dates and durations given are for reference only and are subject to change. Each awarded Trade Contractor, within 30 calendar days of being notified of their award, shall provide a CPM schedule (utilizing Primavera Project Planner or SureTrack software) to the Construction Manager defining scope of work items, items requiring fabrication, etc.; each with their respective anticipated start dates, end dates and durations. Trade Contractor is to identify any areas of potential conflict which may impact the Draft Milestone/Sequencing Schedule durations and/or milestones and/or prevent the Trade Contractor in meeting the expected start and finish dates identified in the Draft Milestone/Sequencing Schedule. All work is to be completed in accordance with the Draft Milestone/Sequencing Schedule Dates as follows:

Bid Release 19 – Revised Milestone Schedule Dates (Estimated)

	Start	Finish
Bid Proposals Due		10/19/2010
Anticipated Dates for Bid Scope Review	10/20/2010	10/22/2010
Anticipated Date of Contract Award		11/9/2010
Anticipated Contract Issuance (Insurance, Bond, etc.)	11/9/2010	11/30/2010
Anticipated Preconstruction Meeting		11/24/2010
Anticipated Mobilization/Site Prep	12/1/2010	12/10/2010
Submittals/Review/Procurement (varies per trade)	12/1/2010	7/25/2011
Building 3D coordination (BIM)	12/30/2010	3/24/2011
Chilled Water Mains coordination	12/30/2010	1/20/2012
New Addition		
Start Construction, Site Prep/Excavation/Ftgs/Fndtns.	12/1/2010	2/24/11
Structural Steel/Decking Erection - 2 SHIFTS -	2/25/11	3/29/11
EPDM Roofing	7/7/11	7/20/11
Building Enclosure (Framing /EIFS/Curtainwall/Mtl Pnls)	4/8/11	7/20/11
Interior Layout/Walls/HM Frames	4/15/11	8/11/11
MEP/FP rough-in (Below slab/In wall/Overhead)	3/30/11	7/20/11
Equipment Pads/AHUs/Boilers	4/15/11	7/26/11
Interior Equipment/Trim/Finish	7/27/11	10/15/11
Commissioning (Addition)	11/7/11	3/15/12
Substantial Completion - Addition		12/7/11
Remodeling Existing		
Relocate Existing /Disconnect MEP/FP	1/9/12	
Abatement	1/30/12	2/17/12
Demolition	2/6/12	3/6/12
Interior Layout/Walls/HM Frames	2/14/12	3/30/12
MEP/FP rough-in (Below slab/In wall/Overhead)	2/27/12	5/8/12
Interior Equipment/Trim/Finish	3/1/12	6/14/12
Commissioning (Remodeling)	7/26/12	7/24/12
Substantial Completion - Remodeling		8/13/2012
Remodeling Existing E2006/E2007		
Relocate Existing /Disconnect MEP/FP	9/12/2012	
Abatement	9/17/12	9/18/12
Demolition	9/19/12	9/20/12
MEP/FP rough-in (In wall/Overhead)	9/21/12	9/26/12
Interior Equipment/Trim/Finish	9/27/12	10/14/12
Commissioning (E2006/E2007)	10/10/12	10/11/12
Substantial Completion - E2006/E2007		10/10/2012

F. TRADE-SUBCONTRACTORS

The following trade subcontractors are proposed for the item of work listed. Trade Subcontractors are subject to review per the General Conditions. List only firms that will supply labor at the site.

ITEM OF WORK	TRADE SUBCONTRACTORS

G. NOT USED

H. UNIT PRICES

Unit Prices shall be used, where applicable, to make adjustments to the cost of the Work due to changes. ALL Unit Prices submitted shall be complete in-place prices and include all costs for overhead, profit, bond costs, labor, materials, equipment, engineering, shop drawings and any other incidentals related to the completion of the Work, and shall remain firm for the period of the contract. Deductive unit prices will be calculated at no less than 85% of the additive unit price.

Unit Prices (furnished and installed unless noted otherwise) <u>Description</u>	<u>Cost</u>
5' Fume Hood, ea	\$ /ea
4' Fume Hood, ea	\$ /ea
Epoxy counter top; per lf based on 5 lf	\$ /lf
Stainless Steel Counter top, per lf based on 5 lf	\$ /lf
Corrosion resistant plastic laminate counter top, per lf based on 5 lf	\$ /lf
Display Strip, per lf based on 5 lf	\$ /lf
Glass Shelving, per lf based on 5 lf	\$ /lf
Slotted Channel Framing, per lf	\$ /lf
Custom Elliptical Bench without downdraft or sink, SS-02, ea	\$ /ea
Custom Elliptical Bench with downdraft, SS-01, ea	\$ /ea
Custom Elliptical Bench with downdrafts and sinks, SS-03, ea	\$ /ea
Base Cabinet, per lf based on 10 lf	\$ /lf
Wall Cabinet, per lf based on 10 lf	\$ /lf
Open Shelving Units with brackets/supports, per lf based on 4 lf	\$ /lf
Classroom Teaching Station w/ A/V Cabinet (detail 13, AQ-501), ea	\$ /ea

Classroom Teaching Station Small (detail 12, AQ-501), ea	\$	/ea
Classroom Teaching Station Large (detail 11, AQ-501), ea	\$	/ea
Movable plastic laminate table - 30" deep, per lf based on 5 lf	\$	/lf
Cabinet S60H06, ea	\$	/ea
Backpack Tall Cabinet, T30H02, ea	\$	/ea
Backpack Tall Cabinet, T45H02, ea	\$	/ea
Storage Cabinet, ea	\$	/ea
Vented Storage Cabinet, ea	\$	/ea
Metal Cabinet, ea	\$	/ea
Drying rack, ea	\$	/ea
Emergency Eye Wash & Shower Station including all accessories, ea	\$	/ea
Service Fixture, ea	\$	/ea
Clip Board Rack, ea	\$	/ea
SK-21, Lab Sink – Double Bowl, ea	\$	/ea
SK-31, Lab Sink- Stainless Steel Integral, ea	\$	/ea
SK-32, Lab Sink- Stainless Steel Integral, Double, ea	\$	/ea
SK-31, Scullery Sink- double bowl w/ drain boards both sides, ea	\$	/ea
Security Ring – Benchtop, ea	\$	/ea

I. ALTERNATE PRICES

An Alternate Price shall include all costs associated with the changes, omissions, additions or other adjustments to the Work of this Bid Package (Contract), which are described in the Alternate, or are reasonably inferable there from. Claims for extras resulting from changes caused by the acceptance or rejection of any Alternate will not be allowed. Alternate prices shall also include all costs of overhead, profit and bond costs associated with the work of the Alternate, whether additive or deductive.

The Drawings, Specifications and other Contract Documents shall be considered appropriately modified by either the acceptance or rejection of the various Alternates. The Owner and the Construction Manager expressly reserve the right to accept or reject any, or all, Alternate Prices, and in any sequence. If any combination of alternates is accepted, the classrooms identified must be completed within the time periods provided.

Alternates:

N/A

J. COST ALLOWANCES

The Bidder includes the following Cost Allowances in the total Lump Sum Amount of the Base Bid for this Bid Package. See General Conditions for definition of Allowances.

The Trade Contractor must include the cost of the allowances in the Base Bid. The Base Bid cost of this package should include the appropriate mark-up on the allowances. All work completed under the allowance will be paid at cost since the mark-up is incorporated in the base bid. Trade Contractors are not entitled to any unspent balance.

Cost Allowances:

1	<p>General Cleanup Allowance: Notwithstanding the Trade Contractor's obligation for his own cleanup under the general conditions, include in the base bid a sum of \$75.00 for every 80 man-hours (or fraction thereof) actually expended on-site regardless of trade or labor classification. This cost will be used for cleanup of unidentifiable trash and debris as directed by the Construction Manager, and will be deducted from the Contract Sum periodically to pay for cleanup services. Trade Contractors are not entitled to any unspent balance. Costs for this scope of work item are over and above costs for cleanup required by the general conditions. This requirement does not eliminate this Trade Contractors responsibility for the daily clean up of his/her work efforts. The formula for this fee is as follows: $\frac{\text{Total Man hours}}{80} \times \\$75.00 = \\$ \text{CLEANUP FEE}$ Bidder to fill in: _____ man-hours</p>	<p>\$ _____ (Bidder to Fill In)</p>
2	<p>Miscellaneous Work Allowance: Miscellaneous work to be completed at the direction of the Construction Manager</p>	<p>\$40,000</p>

K. COST AND QUANTITY BREAKDOWN

In order to properly evaluate the Proposal, provide the following information. The Scope of Work to be awarded will not be influenced by the cost and quantity information requested here. Do NOT include the cost of any alternates in base bid or in the following information. Cost and quantity breakdown shall include all related work to the subject category.

1. Cost Breakdown

Fumehoods	\$
Custom Elliptical benches (all types)	\$
Wood Finish Casework	\$
Metal casework	\$
Glass Shelving including supports	\$
Slotted Channel Framing	\$
Emergency Shower/ Eye Wash Station	\$
Sinks	\$
Service Fixtures	\$
Accessories	\$
Blocking	\$
Field Finishing	\$
Hardware	\$
Mock Ups	\$
Labor	\$
Commissioning	\$
General Conditions	\$
Cleanup of Own Debris	\$
\$75/ 80MH of Clean-Up Allowance	\$
Allowances described above	\$ 40,000
Total bond cost	\$
Mobilization	\$
Shop Drawings & Submittals	\$
Miscellaneous not included above (define below)	\$
Total Bid (Total of all items above including the Allowances)	\$
Estimated total of On-Site Man-hours (required)	(Man-hours)

1. Quantity Breakdown

Item	Quantity	Material Cost	Installation Cost	Total Cost
Fume Hoods	ea	\$	\$	\$
Base Cabinets	lf	\$	\$	\$

Wall Cabinets	lf	\$	\$	\$
Open Shelving	lf	\$	\$	\$
Glass Shelving	lf	\$	\$	\$
Custom Elliptical Bench without downdraft or sink SS-02, ea	ea	\$	\$	\$
Custom Elliptical Bench with downdraft SS-01, ea	ea	\$	\$	\$
Custom Elliptical Bench with downdrafts and sinks SS-03, ea	ea	\$	\$	\$
Teaching Stations	ea	\$	\$	\$
Storage Cabinets	ea	\$	\$	\$
Freestanding Tables	ea	\$	\$	\$
Emergency Shower/ Eye Wash Station	ea	\$	\$	\$
Stainless Steel Sinks	ea	\$	\$	\$
Scullery Sink	ea	\$	\$	\$
Blocking	lf	\$	\$	\$
Service Fixtures	ea	\$	\$	\$
Drying Racks	ea	\$	\$	\$
Display Strip	lf	\$	\$	\$
Slotted Channel Framing	lf	\$	\$	\$

L. SCOPE OF WORK

1. Description of Work Included:

Except for those items (if any) specifically noted in the section below entitled "Work Excluded From This Bid Package", the work of this Bid Package shall INCLUDE, but is not necessarily limited to, all of the following:

- a. All items of work required by, and/or specified in, those sections of the Specifications which are listed herein under Section M SPECIFICATIONS – Specific Sections.
- b. All items of work related to the "Scope of Work", which are indicated in the Specifications which are listed herein under Section M SPECIFICATIONS – Related Sections.
- c. All items of work related to the "Scope of Work", which are shown on the Drawings listed herein under Section N CONTRACT DRAWINGS.

- d. The following "Specific Items to be Included" are related to those required by the above referenced documents and are to be provided under, and hereby form a part of, the Scope of Work of this Bid Package (Contract). Should any conflict exist between this written Scope of Work and any scope items implied by the above referenced documents, this Scope of Work shall govern.

SPECIFIC ITEMS TO BE INCLUDED

Perform complete "Lab Casework & Equipment Work" and related work as required by and in accordance with the Conditions of Contract, Drawings, Specifications, and elaborations below. The Work shall include all labor, materials, equipment, and related items necessary to complete all of the work defined in the following specification sections, except for those noted exclusions or clarifications listed below.

In general, the following clarifies the scope of work to be included. It is intended for clarification and convenience only and is not intended to limit any portion of the scope of this bid package.

1. Furnish and install all metal & wood laboratory casework, fume hoods complete and accessories, including but not limited to, cabinets, cabinets/storage units with glazed doors, downdraft fume hood units, fume hood cabinets & base stands, shelving, supports, storage cabinets (including vented cabinets), flammable cabinets, tote tray cabinets, tables, teaching stations, lab sinks, drying racks, shelving assemblies with solid wood edging, sinks, counter tops, service pedestals, closure & filler panels, end panels, service fixtures, fume hood electrical, fume hood plumbing and mechanical fixtures and devices, backsplashes, hardware, sealants, anchors, security rings, burette rods, reagent shelves, towel dispenser frames, clip board racks, apparatus bars, display strips cylinder wall straps, gas manifolds, slotted channel framing system, hardware, service outlet identification discs, and other accessories.
2. Furnish for installation by others, all service fittings, electrical service and plumbing fixtures including, but not limited to: cup sinks, cup drains, stainless steel sinks, scullery sinks, water valves and/or faucets, hose cocks, vacuum breakers, service fittings, valves, eye washes, sinks, pedestal outlets, receptacles, terminals, switches, plates, gaskets, and accessories as required.
3. Furnish and install all slotted channel framing & supports in the lab area for all casework, equipment, fixtures, etc., including but not limited to shelving, owner provided grow lights, etc
4. Provide installation of Owner furnished paper towel dispensers.
5. This Trade Contractor is responsible for all countertops & table tops in the laboratory areas, including but not limited to, epoxy, stainless steel, chemical-resistant plastic laminate, high-pressure decorative laminate, etc.
6. Furnish & install complete glass shelving units including all metal brackets supports.
7. Coordinate in-wall blocking requirements with the General Trades Contractor. Any blocking requirements not coordinated in a timely manner, the cost to remedy will be this Trade Contractors responsibility along with any cutting, patching and finishing of drywall.
8. Provide any metal or wood supports, frames, braces, hangers, sleeves, or anchorage required to properly

install work of this Trade Contract, unless explicitly shown in the Contract Documents to be the work of others.

9. Participate in the Commissioning Process as required for equipment/systems included in this bid package. Provide additional copies of approved submittals and shop drawings for the use of the Commissioning Authority. All costs related to Manufacturer's Representation on site for commissioning, testing, reporting, witnessing, and the like as it relates to execution of this scope of work, shall be included in the base bid.
10. Any blocking integral to the casework system or outside the wall required for a complete installation of the work under this bid package will be the responsibility of this Trade Contractor.
11. The fume hood scope includes, but is not limited to: bench-top laboratory fume hoods, downdraft fume hood units, canopy exhaust hoods, work tops within fume hoods, sinks and cup sinks in fume hoods, water/ gas/ electrical service fittings, fume hood ceiling enclosures, filler strips, fume hood alarms (visual and audible), electrical service fittings in hoods, and piping and wiring within fume hoods for service fittings, light fixtures, fan switches, and other electrical devices included in the fume hoods.
12. Furnish all Emergency Eye Wash & Shower units and all related accessories for installation by the Plumbing Contractor. Coordinate with the Plumbing Contractor for all utility rough-ins and connections. Furnish and install complete emergency shower station curtains, including but not limited to curtain track, rod, curtain, accessories, supports etc. Coordinate the location of the curtain tracks with the ceiling plans and with the General Trades Contractor.
13. Provide all freestanding tables, including all epoxy resin tops, legs, shelving, etc.
14. Protect all work surfaces after each work surface installation and throughout construction. This Trade Contractor is responsible for any and all damage to the laboratory casework, shelving, fume hoods, equipment etc., and will be required to replace and/or repair any damaged product prior to Substantial Completion.
15. This Trade Contractor shall clean and wipe down all items installed under this contract at completion of this trades work and install one layer of cardboard sheathing over 100% of horizontal countertop surfaces installed under this contract and temporarily secure with tape for protection until work of MEP trades trim out work is complete. At completion of MEP trim out work and prior to Owner acceptance, remove cardboard and tape, clean any tape residue from surfaces and wipe down tops and cabinet fronts to clean condition.
16. Test, adjust and demonstrate proper operation according to the specifications and manufacturer's instructions. It is this contractor's responsibility to ensure proper operation of hoods and other items furnished by this Trade Contractor.

17. Deleted.

18. Coordinate with other Trades work the following, but not limited to: blocking and anchoring, lateral supports, service fittings, mechanical and electrical connections, clearances at windows, doors, and other building components that may impact required clearances.
19. Field verify all dimensions for materials to be furnished and/or installed by this Trade Contractor prior

to installation. Where a conflict exists in the contract documents and/or field, this contractor shall confirm proper installation with the Construction Manager prior to actual fabrication and/or installation.

20. Provide all required product testing and reports for Architect/Engineer review and approval.
21. The existing building (Mod A) has a post-tensioned concrete structure. An X-Ray scan and layout of the post-tensioned cables will be provided by the General Trades Contractor. Use extreme caution and coordinate the location of penetrations to completely avoid the post-tensioned cables. Written approval must be taken from the Construction Manager prior to any coring, drilling or floor cutting work.
22. Rooms E1001, E2006 and E2007 will be set up as temporary preparation areas for the Science Faculty while the other areas are being renovated. Renovation in rooms E2006 and E2007 will be done after work in all the other areas is complete and turned over to the owner for occupancy. Room E1001 does not call for any renovation and will remain 'as-is'. Provide any additional mobilizations that may be required to finish work in this sequence.
23. Provide all mockups as required in the quality plan and/or specifications. In addition to those mock-ups specified, provide constructability mock-up of an Anatomy & Physiology Lab – Room # E2012. Materials used for these mockups shall be permanent materials as specified for the project. Work in this mockup room will be out of sequence with the construction of the surrounding area and will be conjunction with mockup activities many trades at the same time. Coordinate this special mockup activity with the Construction Manager and other trade contractors. Upon mockup approval, remove and reinstall mockup materials and equipment as necessary to allow completion of adjacent construction as performed by this Contractor or by other trades.
24. If applicable to your work, furnish complete Operating and Maintenance Manuals. Conduct training of Owner's personnel prior to Substantial Completion.
25. Include all rigging, lifts, hoists, and/or scaffolding required to perform this scope of work.
26. Caution should be taken with all operations next to or over areas that are complete and/or immediately adjacent to existing entrances. Consult with the CM before starting operations in this area.
27. As may be related to the work of this bid package, this project intersects with an existing building. It is this Trade Contractor's responsibility to field verifies any and all existing conditions prior to fabrication. Any rework, field adjustments, re-fabrication, dismantling and re-installation will be at this Trade Contractor's own expense.

GENERAL PROVISIONS

1. The word Trade Contractor and the word Subcontractor are used interchangeably in the documents. Therefore where the words Trade Contractor or Subcontractor are used in the document, it shall mean a Contractor having a contract with the Owner unless it is apparent by the content of the usage that the Subcontractor reference is assumed to be a Subcontractor to a Contractor having a contract with the Owner.
2. This trade contractor shall protect all adjacent areas of work. Remove protection after completion of work of this bid package and repair all damaged areas as necessary and required.
3. This Trade Contractor shall make arrangements with the Construction Manager for any storage provisions prior to mobilization. Outside storage must be coordinated with Gilbane. All areas

disturbed by the action of the Trade Contractor shall be returned to their original condition at no additional expense to the owner.

4. Electronic Data and Documentation Submittal (e-Doc): Trade Contractors shall provide construction documentation in electronic documentation to support the Owner's computerized asset, maintenance, or space management systems for: Equipment tagging, Updated as-built drawings, Submittal of Construction Documents, Asset Data, etc. Updated monthly and all submittals shall be completed prior to substantial completion. Refer to Manual 1 for more information on e-Doc.
5. Should the Plans or Specifications disagree in themselves or with each other, the Trade Contractor shall provide the better quality or greater quantity of work and/or materials unless otherwise directed by written addendum to the contract.
6. Each Trade Contractor is required to provide and maintain covers for any openings/ penetrations resulting from their scope of work until permanent installation is complete.
7. This bid package is phased construction and occupancy and will require additional mobilizations. Addition (Mod B) will be finished first and turned over to the owner for occupancy. The renovation of the existing building (Mod A) will be done in the second phase. Review included milestone dates/schedule and include in the base bid appropriate number of mobilizations as required to complete the work.
8. This Trade Contractor shall review all means of building access and make provisions to ensure that equipment provided by this Bid Package will fit through permanent doorways and/or structure.
9. This Trade Contractor is cautioned that its work will control the schedule of some of the work of other Trade Contractors. The schedule for this package is not an independent activity that can be completed early without concurrence from other effected Trade Contractors. This provision shall be considered as a part of the cost of this Bid Package.
10. Each Trade Contractor shall field verify all existing conditions as required prior to commencing of work and shall make whatever modifications necessary to facilitate the installation of new work. Trade Contractor shall immediately notify the construction manager in writing of his findings, especially upon finding unsatisfactory conditions that may affect his work and the quality of the work of others.
11. Where the General Requirements or the Technical Specifications indicate that the Trade Contractor will be "directed by" or "as indicated or designated by" the Architect all such directions, indications and/or designations etc., shall be through the Construction Manager. All work performed by a Trade Contractor as directed by or as indicated or designated by the Owner, its consultants or the Architect which has not been communicated to the Trade Contractor through the Construction Manager shall not be an added cost to the Trade Contractor's contract with Gilbane and may be subject to rework at the expense of the offending Trade Contractor or Trade Contractors.
12. All debris and materials demolished by this Trade Contractor shall be removed from the project site daily. Stockpiling of debris on the site will not be permitted. Dumpsters for the completion of this work shall be provided by the General Trades contractor. Please note for this project, Gilbane has adopted a policy to reduce the amount of construction waste being sent to landfills by 75%. To that end, the successful General Trades contractor will be required to provide documentation indicating that at least 75% of the entire construction waste shipped from this project has been recycled. This trade contractor will be required to comply with Gilbane's construction waste management plan which is included in the front ends.
13. Site Benchmarks will be provided by the owner (3). Each Trade Contractor is responsible for their own layout utilizing these benchmarks only.

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14. Use of Elevator in the existing building is prohibited for use by any Trade Contractor.
 15. Provide a "long lead" item listing for the following, but not limited to: equipment and materials, which are required for early order to meet the project schedule. Provide this as a separate document on company letterhead and include within two weeks of receiving the contract from Gilbane.
 16. There will be limited storage and field office areas available on site. These areas may be available for short periods of time and office/storage locations will need to be relocated to accommodate construction activities. This Trade Contractor shall make arrangements with the Construction Manager for any office or storage provisions prior to mobilization. All site areas disturbed by the action of this Trade Contractor shall be returned to its original condition at no additional expense to the owner. Trade Contractor shall coordinate all staging and storage with the Construction Manager inclusive of but not limited to, trailers, tool sheds, storage areas, etc.
 17. Securely cover and tie down all materials nightly or when high winds are forecast to prevent damage and wind-blown debris.
 18. Coordinate with the Construction Manager the delivery, storage, crane pick points, and laydown areas for the material consistent with the Site Utilization Plans. All erection shall be from outside the building. No erection equipment such as cranes, derricks, etc. will be permitted within the building lines. Any access, erection, cribbing, pads, mats, ramps, etc. required for cranes, hoists, etc. shall be provided, maintained and removed by this Trade Contractor. This requirement will include all mats which may be required for equipment movement on-site under wet conditions or foul weather.
 19. This Trade Contractor shall submit complete shop drawings for the Construction Manager and Architect's review prior to commencing work.
 20. Any housekeeping pads incidental to this scope of work shall be included in the base bid.
 21. All abatement of hazardous materials will be conducted by the owner. The Trade Contractor must notify the Construction Manager immediately about any suspect material.
 22. The Trade Contractor's Project Manager shall be responsible to maintain an accurate record of deviation and changes in the work and reasons there of. The Construction Manager and Architect may elect to review the status of these documents on a monthly basis. Failure on the part of the Trade Contractor to maintain the As-Built Documents will be cause to reject the Trade Contractor's monthly payment request in part or in total until the condition is corrected and the record documents are updated to reflect site conditions.
 23. Trade Contractor shall immediately notify the Construction Manager in writing of his findings, especially upon finding unsatisfactory conditions that may affect his work and the quality of the work of others.
 24. The campus is an extremely busy site. Traffic patterns can be very congested at times and parking lots can fill up quickly. Extreme caution should be used at all times when entering and exiting the site.
 25. Each Trade Contractor shall coordinate their work with the works of other trades and with the Construction Manager.
 26. The Owner has employed a testing agency for this project. This Trade Contractor shall conform to all testing requirements as identified within the Contract Documents. The Trade Contractor shall provide 48 hour notice to the Construction Manager prior to date testing agency needs to be on site to perform tests.
 27. In addition to the requirements for safety defined in the Conditions of Contract and the Construction Manager's Safety Plan, the Trade Contractor shall submit within two weeks of Notice to Proceed a

detailed safety plan defining it's intentions and procedures to be used on the project to comply with all requirements of OSHA and Project Safety Program, including work rules, fall protection, hoisting procedures, protection of other trades and finished materials, etc.

28. This Trade Contractor must include all costs necessary to address the requirements of the Safety and Project Quality Plan included in the Project Manual.
29. This Trade Contractor is required to fill out a Gilbane daily report and turn in to Gilbane on a daily basis.
30. This Trade Contractor shall be responsible for their cleanup and debris removal. Dumpsters for the general use of all trades shall be provided by the General Trades Contractor.
31. This project shall pursue a LEED certification with the United States Green Buildings Council (USGBC); see specifications for requirements and responsibilities of subcontractors
32. Each Trade Contractor shall submit a CPM schedule utilizing Primavera Project Planner or SureTrack software within 30 days after notice to proceed. This schedule shall include all construction activities of the Trade Contractor and shall abide by all the requirements indicated in the bid documents pertaining to Critical Path Method Scheduling. Monthly updates of the schedule are required to be submitted along with the monthly Application for Payment.
33. The Trade Contractor shall be required to enter the RFI's, Daily Work Reports and Submittals using i-Build (requires Internet Explorer 7 or higher and active X. no other software is required). The Project Manager and Superintendent will be required to attend a two (2) hour Computer training by Gilbane which will teach them how to use this program. Refer to Manual 1 for more information on i-Build.

The above listed items are not intended to be an all-inclusive listing of the specified Contract Scope of Work, but are merely to highlight the major items of work.

SPECIFIC ITEMS TO BE EXCLUDED

The following specific item(s) of work contained in the above referenced documents are EXCLUDED from the work of this Bid Package (Contract):

1. Dumpsters
2. Owner relocated equipment and storage cabinets.
3. Countertop in Room # E1045 & E1045B
4. Paper Towel Dispensers
5. Lockers
6. Coat Hooks
7. White Boards/ Tack Boards

M. SPECIFICATIONS

The following Specifications, together with the Drawings and other related items of work as described herein, further define the Scope of Work of the Bid Package (Contract).

Specific Specification Sections

<u>Number</u>	<u>Title</u>	<u>Date</u>
<u>DIVISION 00-GENERAL REQUIREMENTS:</u>		
002200	Geotech Data	9/20/10
<u>DIVISION 01- PROJECT REQUIREMENTS:</u>		
010010	LEED Compliance	9/20/10
011000	Summary	9/20/10
013000	Administrative Requirements	9/20/10
013514	LEED Requirements	9/20/10
013514.01	LEED-NC 2009 Credit Summary	9/20/10
013515	LEED Certification Procedures	9/20/10
013516	LEED Submittal Forms	9/20/10
014000	Quality Requirements	9/20/10
015721	Indoor Air Quality Controls	9/20/10
015713	Temporary Erosion and Sediment Control	9/20/10
016000	Product Requirements	9/20/10
016116	Volatile Organic Compound (VOC) Content Restrictions	9/20/10
016116.01	Accessory Material VOC Content Certification Form	9/20/10
017000	Execution and Closeout Requirements	9/20/10
017800	Closeout Submittals	9/20/10
017820	O&M Manuals	9/20/10
018100	General Commissioning Requirements	9/20/10
018120	Commissioning Submittals	9/20/10
018140	Commissioning Project Close Out	9/20/10
018200	O&M Training	9/20/10
<u>DIVISION 06 – WOODS, PLASTICS AND COMPOSITES:</u>		
061000	Rough Carpentry	9/20/10
<u>DIVISION 07 – THERMAL AND MOISTURE PROTECTION:</u>		
072119	Foamed in Place Insulation	9/20/10
078400	Firestopping	9/20/10
079005	Joint Sealers	9/20/10
<u>DIVISION 09 – FINISHES:</u>		
092216	Non-Structural Metal Framing	9/20/10
099000	Painting And Coating	9/20/10
<u>DIVISION 11 – EQUIPMENT:</u>		
115313	Laboratory Fume Hoods	9/20/10
116210	Laboratory Service Fixtures	9/20/10
116220	Laboratory Accessories	9/20/10
<u>DIVISION 12 – FURNISHINGS:</u>		
123553	Laboratory Casework	9/20/10

Related Specification Sections

<u>Number</u>	<u>Title</u>	<u>Date</u>
<u>DIVISION 02 -EXISTING</u>		
024100	Demolition	9/20/10
<u>DIVISION 03 -CONCRETE</u>		
031000	Concrete Formwork	9/20/10
032000	Concrete Reinforcement	9/20/10
033000	Cast-In-Place Concrete	9/20/10
035400	Cast Underlayment	9/20/10

DIVISION 04 -MASONRY

040511	Masonry Mortaring and Grouting	9/20/10
042000	Unit Masonry	9/20/10

DIVISION 05 -METALS

051223	Structural Steel	9/20/10
052100	Steel Joists	9/20/10
053100	Steel Deck	9/20/10
054000	Cold-Formed Metal Framing	9/20/10
055000	Metal Fabrications	9/20/10
055100	Metal Stairs	9/20/10
055213	Pipe and Tube Railings	9/20/10

DIVISION 06 – WOODS, PLASTICS AND COMPOSITES:

062000	Finish Carpentry	9/20/10
064216	Wood Veneer Paneling	9/20/10

DIVISION 07 – THERMAL AND MOISTURE PROTECTION:

072100	Thermal Insulation	9/20/10
072400	Exterior Insulation And Finish Systems	9/20/10
072500	Weather Barriers	9/20/10
074214	Insulated Metal Wall Panels	9/20/10
074264	Metal Composite Material Wall Panels	9/20/10
075300	Single Ply Roofing – Fully Adhered EPDM	9/20/10
076200	Sheet Metal Flashing And Trim	9/20/10
077200	Roof Accessories	9/20/10
079513	Expansion Joint Cover Assemblies	9/20/10

DIVISION 08 – OPENINGS:

081113	Hollow Metal Doors And Frames	9/20/10
081116	Aluminum Doors And Frames	9/20/10
081416	Flush Wood Doors	9/20/10
083100	Access Doors And Panels	9/20/10
083323	Overhead Coiling Doors	9/20/10
084413	Glazed Aluminum Curtain Walls	9/20/10
087100	Door Hardware	9/20/10
088000	Glazing	9/20/10

DIVISION 09 – FINISHES:

092116	Gypsum Board Assemblies	9/20/10
093000	Tiling	9/20/10
095100	Acoustical Ceilings	9/20/10
096500	Resilient Flooring	9/20/10
096700	Fluid-Applied Flooring	9/20/10
096813	Tile Carpeting	9/20/10
097200	Wall Coverings	9/20/10
098311	Acoustical Wall Systems	9/20/10
099600	High-Performance Coatings	9/20/10

DIVISION 10 – SPECIALTIES:

101101	Visual Display Boards	9/20/10
102113.13	Metal Toilet Compartments	9/20/10
102800	Toilet, Bath, And Laundry Accessories	9/20/10
104400	Fire Protection Specialties	9/20/10
105100	Lockers	9/20/10

DIVISION 12 – FURNISHINGS:

122216	Drapery Track and Accessories	9/20/10
123600	Countertops	9/20/10
124813	Entrance Floor Mats	9/20/10

DIVISION 21 – FIRE SUPPRESSION:

210500	Basic Fire Suppression Requirements	9/20/10
210503	Through Penetration Firestopping	9/20/10
210529	Fire Suppression Supports and Anchors	9/20/10
210553	Fire Suppression Identification	9/20/10
211300	Fire Protection Systems	9/20/10

DIVISION 22 – PLUMBING:

220500	Basic Plumbing Requirements	9/20/10
220503	Through Penetration Firestopping	9/20/10
220505	Plumbing Demolition for Remodeling	9/20/10
220529	Plumbing Supports and Anchors	9/20/10
220548	Vibration Isolation	9/20/10
220553	Plumbing Identification	9/20/10
220719	Plumbing Piping Insulation	9/20/10
221000	Plumbing Piping	9/20/10
221030	Plumbing Specialties	9/20/10
221123	Domestic Water Pumps	9/20/10
223000	Plumbing Equipment	9/20/10
224000	Plumbing Fixtures	9/20/10

DIVISION 23 – HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC):

230500	Basic HVAC Requirements	9/20/10
230503	Through Penetration Firestopping	9/20/10
230505	HVAC Demolition for Remodeling	9/20/10
230513	Motors	9/20/10
230529	HVAC Supports and Anchors	9/20/10
230548	Vibration Isolation	9/20/10
230553	HVAC Identification	9/20/10
230593	Testing, Adjusting and Balancing	9/20/10
230713	Ductwork Insulation	9/20/10
230716	HVAC Equipment Insulation	9/20/10
230719	HVAC Piping Insulation	9/20/10
230900	Controls	9/20/10
230913	Instrumentation	9/20/10
231500	Laboratory Utility Piping	9/20/10
232100	Hydronic Piping	9/20/10
232123	HVAC Pumps	9/20/10
232500	Chemical (Water) Treatment	9/20/10
233100	Ductwork	9/20/10
233300	Ductwork Accessories	9/20/10
233416	Centrifugal Fans	9/20/10
233423	Power Ventilators	9/20/10
233600	Air Terminal Units	9/20/10
233700	Air Inlets and Outlets	9/20/10
234000	Air Cleaning	9/20/10
235100	Breechings, Chimneys and Stacks	9/20/10
235216	Condensing Boilers	9/20/10
237323	Custom Air Handling Units	9/20/10
238200	Terminal Heat Transfer Units	9/20/10
238216	Air Coils	9/20/10
239970	Mechanical Systems Commissioning	9/20/10

DIVISION 26 – ELECTRICAL:

260500	Basic Electrical Requirements	9/20/10
260503	Through Penetration Firestopping	9/20/10

260505	Electrical Demolition for Remodeling	9/20/10
260513	Wire And Cable	9/20/10
260515	Medium Voltage Cable & Accessories	9/20/10
260526	Grounding and Bonding	9/20/10
260527	Supporting Devices	9/20/10
260531	Boxes	9/20/10
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260535	Surface Raceways	9/20/10
260553	Electrical Identification	9/20/10
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262816	Disconnect Switches	9/20/10
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263600	Transfer Switch	9/20/10
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BID FORM
Natural Sciences Addition & Renovation - Bid Release 19
BP 12A Lab Casework and Equipment Work

~~Date: September 20, 2010~~
Revised: October 13, 2010

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BID FORM
Natural Sciences Addition & Renovation - Bid Release 19
BP 12A Lab Casework and Equipment Work

~~Date: September 20, 2010~~
Revised: October 13, 2010

Bid Bond _____

Cashier's Check _____

Certified Check _____

CERTIFICATE OF BIDDER ELIGIBILITY

720 ILCS 5/33E-11 requires that all contractors bidding for public agencies in the State of Illinois certify that they are not barred from bidding on public contracts for bid rigging or bid rotation.

The following certification must be signed and submitted with bidder's bid proposal. FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.

_____, as part of its bid for _____

certifies that said contractor is not barred from bidding on the aforementioned contract as a result of a violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33E-4.

Firm Name: _____

By: _____
Authorized Agent of Contractor

Title

SUBSCRIBED AND SWORN TO before me
this _____ day of _____, 2010.

NOTARY PUBLIC

EXECUTE AND ATTACH TO PROPOSAL FORM

[Contractors With 25 or More Employees]

**CERTIFICATE OF COMPLIANCE WITH
ILLINOIS DRUG-FREE WORKPLACE ACT**

_____, having 25 or more employees, does hereby certify pursuant to Section 3 of the *Illinois Drug-Free Workplace Act* (30 ILCS 580/3) that [he, she, it] shall provide a drug-free workplace for all employees engaged in the performance of work under the contract by complying with the requirements of the *Illinois Drug-Free Workplace Act* and, further certifies, that [he, she, it] is not ineligible for award of this contract by reason of debarment for a violation of the *Illinois Drug-Free Workplace Act*.

By Authorized Agent

Date

SUBSCRIBED AND SWORN TO before me
this _____ day of _____, 2010.

NOTARY PUBLIC

EXECUTE AND ATTACH TO PROPOSAL FORM

NON-COLLUSION AFFIDAVIT

AFFIDAVIT: "I (we) hereby certify and affirm that my (our) proposal was prepared independently for this project and that it contains no fees or amounts other than for legitimate execution of this work as specified and that it includes no understanding or agreements in restraint of trade."

Name of Bidder: _____
Date: _____

(If an individual)
Signature of Bidder: _____

Business Address: _____

(Seal)

(If a Partnership)
Firm Name: _____

Business Address of all partners of the Firm:

(Seal)

(If a Corporation)
Name of Officers:
President: _____
Secretary: _____
Treasurer: _____
Attest: _____
Secretary

(Seal)

EXECUTE AND ATTACH TO PROPOSAL FORM

**CERTIFICATE REGARDING
SEXUAL HARASSMENT POLICY**

_____ [contractor], does hereby certify pursuant to Section 2-105 of the *Illinois Human Rights Act* (775 ILCS 5/2-105) that [he, she, it] has a written sexual harassment policy that includes, at a minimum, the following information: (i) the illegality of sexual harassment; (ii) the definition of sexual harassment under State law; (iii) a description of sexual harassment utilizing examples; (iv) an internal complaint process including penalties; (v) the legal recourse, investigative and complaint process available through the Department of Human Rights and Human Rights Commission; (vi) directions on how to contact the Department of Human Rights and Human Rights Commission; and (vii) protection against retaliation.

By: _____
Authorized Agent of Contractor

Title

SUBSCRIBED AND SWORN TO before me
this _____ day of _____, 2010.

NOTARY PUBLIC

EXECUTE AND ATTACH TO PROPOSAL FORM

CERTIFICATE REGARDING HUMAN RIGHTS ACT

Any company or organization to be awarded a contract for goods and/or services must be in compliance with the **Human Rights Act** and all rules and regulations thereunder. Our company has an Equal Employment Opportunity and Affirmative Action Program which complies with Executive Order 11246, the Vietnam Era Veterans' Readjustment Assistance Act of 1974 and the Rehabilitation Act of 1973.

YES _____ NO _____

CERTIFICATE REGARDING THE PREVAILING WAGE ACT

Our company certifies that it is eligible for bidding on public contracts, and has complied with section 11a of the Prevailing Wage Act, 820 ILCS 130/0.01-12(2000), and has not disregarded their obligations to employees under the Prevailing Wage Act on two (2) separate occasions, and that they, or any firm, corporation, partnership or association in which such contractors or subcontractors have an interest, are not prohibited from being awarded any contract or subcontract for a public works project. In addition, Joliet Junior College is requesting all Bidders/Awarded Trade Contractors to employ labor from a recognized apprenticeship training program as a condition of award.

YES _____ NO _____

CERTIFICATE REGARDING VALID BUSINESS LICENSE

Our company is eligible to do business in the State of Illinois and have submitted as part of this bid a valid business license and the Federal Employer Tax Identification Number (FEIN) or Social Security Number for individuals. Further, if applicable, our company will employ apprentices who are properly indentured into a Joint Apprenticeship Training Program which is registered and certified with the United States Department of Labor, Bureau of Apprenticeship and Training.

YES _____ NO _____

FEIN Number _____

By: _____
Authorized Agent of Contractor

Title

SUBSCRIBED AND SWORN TO before me
this _____ day of _____, 2010.

NOTARY PUBLIC

EXECUTE AND ATTACH TO PROPOSAL FORM

BIDDER INFORMATION FORM

Bidder Information Form is to be submitted with each Bid Form.

- 1) Total Bonding Capacity: \$ _____
Single Project Bonding Capacity: \$ _____
Work Currently Bonded: \$ _____
- 2) Work now under contract: \$ _____
Work in place last year: \$ _____
Average annual sales last 3 years: \$ _____
- 3) Current Experience Modification Rating (EMR): _____
- 4) Has firm ever failed to complete a contract: _____
- 5) Submit two (2) Owner or Architect/Engineer References:
 - a. Name: _____
Telephone Number: _____
 - b. Name: _____
Telephone Number: _____
- 6) Contractor Qualifications:
 - a. The Owner may require from any Bidder, prior to award of the contract, a detailed statement regarding the business organization, years in service, and the technical organization and plant of the Bidder that is available for the work contemplated.
 - b. The competency and responsibility of the bidders and of their proposed Subcontractors may be considered in making awards.

By _____
Authorized Agent of Contractor

Title

SUBSCRIBED AND SWORN TO before me
this _____ day of _____, 2010.

NOTARY PUBLIC

EXECUTE AND ATTACH TO BID FORM