

**Ohio University
Multi-Purpose Pavilion
BID PACKAGE 007 – Concrete**

SUMMARY OF WORK

GENERAL

The following scope of work is intended to be general in nature. The intention is to have the successful Contractor perform all related work shown on the Contract Documents other than those items specifically indicated below to be excluded. Attention is called to the General Conditions and Special Conditions for additional information. **The Summary of Work takes precedence over the drawings and specifications in the event of a conflict in trade assignment or responsibility.**

TRADE SPECIFICATIONS

The following work activities are listed as the responsibility of the Contractor in defining its area of work on this project:

Div 01 Specifications – 01 33 00 – 01 78 39	03 30 00 CIP Concrete
07 20 00 Thermal Protection	07 92 00 Joint Sealants
07 27 00 Air Barriers	

The Contractor is also responsible for work activities not specifically listed above but required by reference in the listed specifications or as required to perform the scope of work described herein, as well as the Project Manual Dated 04/04/2013 Division A General and Special Conditions, Division C General Requirements, and the Division 01 General Requirements and the use of the Construction Documents as a whole.

SCOPE OF WORK

Provide all necessary equipment, labor, and materials necessary to perform Concrete and related work as shown on the Contract Documents. This work shall include, but not be limited to:

1. All layout and field engineering required for the performance of this work, including protection of reference points and replacement of such points that are lost or damaged during the execution of this work.
2. Excavation for, and backfill against, all concrete work performed under this contract, unless specifically noted otherwise under “Excluded From The Scope Of Work”.
3. It is imperative that the building erection begin on schedule. This scope should include all the necessary provisions to assure that the pile cap reach 75% strength from 16 line to 13 line to allow the first delivery of steel to be erected. If necessary, provisions to be included to assure subsequent deliveries are able to be erected as well.

(SCOPE OF WORK continued . . .)

4. Work on all foundations is to proceed according to the attached sequence to assure the work coordinates with the building erection and proceeds from South to North.
5. Footings, grade beams and piers.
6. Control joints and construction joints as specified or required.
7. All reinforcing and accessories for all concrete work.
8. The grouting of column base plates at all structural steel, including comebacks as required.
9. Box outs “diamonds” at columns and the associated comebacks to infill after the erection is complete.
10. Furnish and Install all anchor bolts. Provide survey of Anchor Bolts upon completion on each sequence to assure they are correctly installed.
11. Install Imbedded plates provided by materials provided by the Auger Cast Pile contractor as required
12. Thickened slabs as indicated. Coordinate locations with PEMB contractor and Masonry Contractors as required.
13. Fine grading and sub base materials as required under all concrete provided in this scope of work.
8. Waterproofing of subgrade walls, including cleaning and removal of mud and debris as required.
14. All required sealants and expansion material.
15. Topping slab on precast planks including all reinforcing and pour stops.
16. Concrete fill on stairs including all reinforcing and cleaning of pans, stringers rails etc. after completion
17. The installation of all embedded items including receiving and unloading materials
18. Furnish and Install all dowels and coordinate with masonry contractor as required
19. Box outs for athletic equipment. Comeback work associated with infill inside and outside of pits as required.
20. Coordinate slab pours with installation of radiant heat system
21. Coordinate with track surface installation and provide lowered finish slab elevation as required to coordinate with slabs adjacent to track. Assume 1/2” for the purposes of this bid.

22. Chamfers as required.
23. Construction joints, keyways, waterstops.
24. Provide 3' dia dishes and coordinating slopes to all floor drains
25. All Under Slab Insulation, Foundation insulation, vapor barriers and bond breaks .
26. Box-outs, ledges, and recesses as required.
27. Furnishing and installing all sleeves shown.
28. Dewatering of the foundation excavation.
29. All safety and cleaning pertaining to the performance of this work.
30. Install and coordinate formed slab penetrations with the Mechanical and Electrical Contractors.
31. Traffic and dust control is to be included in this work. The Concrete Contractor is responsible to clean streets of any debris or spillage of material along the haul route. Any charges directed to the Construction Manager by others, due to the fact that this procedure is not being implemented, shall be paid by this Contractor.
32. The Concrete Contractor is responsible for the immediate clean-up of all excess concrete and wash out areas.
33. All excavation spoil is to be properly disposed of off site.
34. Comebacks inherent to the performance of this work are to be included
35. Protect S.O.G. in all locations that receive flooring, a special emphasis on the track surface. Include cleaning and protection as required.

EXCLUDED FROM THE SCOPE OF WORK

1. Soils and Concrete testing and inspection will be by others
2. Auger Cast Piles
3. Curbs and Sidewalks (exterior Concrete) by Others

SPECIAL INSTRUCTIONS

1. The goal of Ohio University Multi-Purpose Pavilion project is to ensure that, to the extent possible, it uses certified EDGE/MBE businesses (Encouraging Diversity, Growth, and Equity/Minority Business Enterprise), which are qualified to perform meaningful work on the construction of Ohio University Multi-Purpose Pavilion. The commitment of this contract for EDGE/MBE participation on the project is **5%**.

2. The work of this contract is in an operating College campus. Therefore, any work that may cause disturbance or interruption in the normal operation of the facility must be carefully coordinated and scheduled with the Construction Manager. This Contractor shall be aware of the sensitive nature of working in or around an active facility. Loitering or wandering around outside of the project site not be permitted
3. Parking is limited on site. Any contractor who parks on site is considered to be parking on campus and will need to purchase a parking pass from Ohio University. The rates are: ("Any Where Pass") - Daily \$8.00, Monthly \$120.00, Quarterly\$ 300.00 and Yearly \$900.00
4. All contractors are responsible for layout of their own work. Project control will be provided on site and contractors will be responsible to transfer the information as needed for the performance of their contract work.
5. All contractors are required to include dewatering, weather protection and utilities (heating, lighting, temporary electric etc. as required) for the performance of their scope of work based on the anticipated project schedule.
6. All work that generates noise which may disturb adjacent tenants, including but not limited to, demolition, material deliveries, road closures utility shutdowns etc. Must be coordinated with the Construction Manager and may require the work to be done on off hours. All utility interruptions must be approved by OU in advance. This applies to all trades.
7. A site visit during the bid period is required in order to become familiar with the existing conditions and their effect on the performance of the work of this contract. Change orders will not be considered for work that could have been reasonably inferred from a site visit. **To schedule a site visit call David Stanton, Project Superintendent - (614) 376-9397**
8. There is limited onsite storage available; materials may only be delivered to the site when they are ready to be installed. This contractor is responsible for all storage and delivery costs associated with this requirement. All deliveries must be coordinated and timed so as not to effect the schedule or the other contractors
9. Material delivery logistics necessary for the performance of this work is this Contractor's responsibility but must be approved by the CM/Owner. Review the existing space limitations and delivery routes prior to fabrication to insure proper clearances and accessibility into the new space.
10. Cleaning of the work of this Contract is to be included. This is to include daily cleaning, routine cleaning, initial cleaning after installation and one complete final cleaning at job completion as scheduled by the Construction Manager.
11. Coordinate the work of this contract with the architectural, structural, electrical, and mechanical documents.
12. All OSHA, Ohio University and Turner safety guidelines will be strictly enforced.
13. Space will not be available for an office and/or storage trailer on the project site for this contract.
14. Comebacks inherent to the performance of the work of this contract are to be included.
15. Any damage to finished construction or adjacent properties due to the work included in this scope shall be the responsibility of this Contractor.

ALTERNATES

ALLOWANCES

1. Allowance of 1000 lbs of reinforcing steel. This allowance is to include furnishing and installing miscellaneous reinforcing as required Turner Construction. No portion of this allowance may be claimed without the prior approval of Turner Construction
2. Allowance of \$15,000 (material and Labor). To Provide 2" topping slab on precast planks. Details to be issued at a later time.

UNIT PRICES

SCHEDULE

The schedule information is included to aid the bidder in anticipating manpower and equipment requirements. The information describes only the major activities of the work and does not attempt to describe the comeback work that will remain as part of this contract. This Contractor is to submit, with its bid, a schedule showing its plan for accomplishing the work within the time frames required as summarized below.

It is absolutely critical that the work of this contract be completed by the dates defined on the schedule. The intention is that the Contractor must provide sufficient equipment, crews, operators, survey crews, manpower, suppliers, overtime, supervision, coordination, etc. to take advantage of opportunities as they occur to meet or exceed the required dates.

All front-end requirements, submittals, and deliverables must be coordinated to align and agree with all the requirements and timing of the activities defined on the summary schedule. Field engineering/field dimensioning and shop drawing submittals will be required to be submitted immediately after contract award.

Key Scope Milestones:

- Site Clearing Start – 5/27/2013
- Auger Cast Pile Start – 7/9/2013
- Foundation Start – 7/15/2013
- First PEMB Material Delivery to Site – 7/22/2013
- Complete S.O.G to allow Masonry Start –9/19/2013
- Complete S.O.G. to allow cure time for Track Surface - 10/14/2013
- Field Occupancy, no later than – 12/9/2013

On a weekly basis, this Contractor shall complete and submit a 3-week look-ahead schedule for use by the Construction Manager in monitoring progress and coordinating the work with all other Contractors **due**

every Monday at 10am. All contractors will participate in regular scheduling meetings as determined by the Project Superintendent. During the execution of your scope of work, that can assume to be a minimum of weekly.

END