

COMPANY _____

ESTIMATOR _____

BID DAY PHONE NO. _____

Work Package: Precast Structural Concrete

The work in each bid package shall include but shall not be limited to all labor, burden, fringe benefits, materials, tools, equipment, incidentals, supplies, samples, shop drawings, layout, hoisting and rigging, shipping and handling, storage, distribution, protection, supervision, coordination, compliance with all applicable agencies, insurance, overhead and profit to perform the scope of work as required by the contract documents and this Work Package.

Subcontractor is expected to fulfill all the obligations contained in the Master Subcontract Agreement ("MSA"), and, in addition, the following requirements. In the event of any inconsistency between the MSA and the contents of this Scope of Work, Subcontractor shall comply with the more stringent requirement.

General Provisions

1. General Provisions apply to all Work Packages. The following conditions are hereby incorporated into each and every Work Package description.
2. Include complete coordination with all other trades.
3. All work on site is to be performed safely in accordance with all OSHA standards and McCownGordon's published Safety Program. It is the responsibility of the Contractor to inform and educate all personnel working onsite of the aforementioned requirements and ensure that these policies are enforced each day. Specifically each Contractor is required to meet the following guidelines:
 - a. All Contractors must complete a Safety Orientation and a Competent Person form before starting work.
 - b. All Contractors must submit weekly safety meeting minutes and jobsite safety inspections to the Construction Manager.
 - c. When crane work can possibly encroach within 20' of energized power lines, the Contractor is responsible to provide a spotter and have protective covers installed on the power lines.
 - d. Appropriate PPE is to be worn by all employees at all times. This includes but is not limited to hard hats, high visibility clothing, footwear, pants, shirts with sleeves, etc.
 - e. 100% fall protection is required for any worker that is exposed to a 6' fall or greater.
 - f. Any energized electrical work must comply with NFPA 70E regulations.
4. Any employees who work around or with lead base paint materials must have lead awareness training before work begins. Certificates of training must be provided to MGC before work begins.
5. Subcontractors are responsible for reviewing Lead surveys and must identify all areas of work that have lead base paint materials.
6. This project shall include at minimum a 1 year warranty from date of Substantial Completion of project for all items unless otherwise noted.

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7. Include all required cleanup for work completed under this contract. Include daily cleanup of all areas where work is performed and disposal of debris to dumpsters provided by others (unless noted otherwise).
8. Include complete coordination of deliveries and storage of all materials on site with Construction Manager's Onsite Superintendent.
9. All work to be in accordance with durations shown in the construction schedule. The construction schedule will be reviewed at each weekly progress meeting. All modifications to the schedule at the progress meeting will be sent out with the meeting minutes and will become a contract document, superseding the original bid/contract schedule.
10. Included is the protection of all adjacent surfaces during performance of the work.
11. Include all necessary "quick-shipping", material expediting, procurement expediting, labor overtime as necessary and costs necessary to meet the scheduled milestone dates and scheduled completion date per the construction schedule.
12. All materials and equipment to arrive in sufficient time to allow for installation and in sufficient time to be coordinated with work that is to be completed by other trades.
13. Include all necessary phasing required to complete the work per the project schedule. Contractor may deem it necessary to work an extended shift, more than one shift or more than one extended shift to meet the project schedule. All costs associated with work performed outside normal working hours shall be at the expense of the Contractor unless shift work has been directed and authorized in writing by the Construction Manager. If off-hours work is required, Contractor is required to obtain and pay for any permits associated with the work.
14. Include all necessary mobilizations as required to complete the work per the project schedule.
15. Include all manufacturer warranties, owner and maintenance manuals and as built drawings under this Contract. These are to be delivered to the Construction Manager (60) days from notice to proceed.
16. Include all lifts, equipment, scaffolding, etc...as required to complete this Contract. Contractors are expected to complete their Scope of Work in a timely fashion in accordance with the project schedule so as not to unduly extend the rental period of the scaffolding. Any Contractors causing delays in this work will be subject to back charges for scaffold rental.
17. Include all necessary material handling, hoisting, distribution, drayage, etc... of all materials installed under this contract on site.
18. Include preparation and delivery of (1) electronic copy of all necessary submittals and shop drawings and one (1) copy of "for construction" drawings provided to MGC per the dates below:
 - a. All submittals and shop drawings are due within 10 calendar days of Awarded Contracts unless otherwise noted on the construction schedule
 - b. All submittals are to be electronic format to Construction Manager unless they are material or color samples and they must be delivered to Construction Manager's Office.
19. Provide all mockups and samples as indicated by contract documents. Include mockup fabrication on jobsite, staging in location per Construction Manager, and removal following completion of work.
20. Include all layout, field verifications and/or field engineering required to complete work under this scope. Take all necessary field measurements to verify fit of this work to that of other Contractors or existing conditions prior to the start of fabrication/erection/installation.
21. Include all required "hand work" to complete the scope under this contract.
22. All work in this contract to be in accordance with the contract documents.
23. All temporary power sources must be GFCI protected, it is the responsibility of each subcontractor to confirm or provide GFCI protection per OSHA standards.

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24. Included is the weekly updating of all master as-built Construction Manager jobsite drawings by this contractor's on site superintendents or foreman so that Construction Manager is informed of work in place and modifications to the design.
25. Include As-Built Record Drawings to Construction Manager within one (1) week of completion of this scope of work on site.
26. Include all necessary add mixtures for any materials to facilitate construction per the schedule for both hot and cold weather provisions.
27. Provide and pay for all required permit fees for work under this scope, excluding building permit.
28. All deliveries will be unloaded, inventoried and confirmed by the Contractor.
29. All traffic control labor required for this scope of work.
 - a. A flagman is required at all pedestrian access areas. Must be present during loading/unloading and back-up activities, as well.
 - b. Equipment working in public streets must have working flashing strobe/beacon mounted on the equipment
30. Include pumping of water as required to complete scope of work.
31. Any additional work that is put out for pricing from the Construction Manager shall be returned within one (1) week. All pricing must be submitted with the following items broken out: Material, Labor, Equipment, overhead, and profit. The labor must be broken down by labor rate and hours.
32. Include attendance at weekly progress meetings, foremen meetings, safety meetings, and any other coordination meetings as necessary. This contractor will have a representative present at each weekly progress meeting on site. The time and day is to be determined. This representative at the meeting will possess knowledge on this contractor's scope, procurement, man power, etc... and have the authority to make decisions for this contractor concerning schedule and pricing. At a minimum the Project Manager and Field Foreman are required to be in attendance at progress meetings.
33. This contractor will provide a detailed schedule of the completion of submittals and shop drawings along with a detailed list of all materials showing accurate lead times from approved submittals/shop drawings.
34. Any field work tickets that are generated in the field by the Construction Manager should be submitted within one (1) week of being verified by Construction Manager's site superintendent with all cost associated broken down.
35. Daily reports are required to be filled out in detail and submitted to the superintendent at the end of each working day.
36. Coordinate openings required by this contract with other trades.
37. Each Work Package performing any excavations, trenching or earthwork must be familiar with the Geotechnical Report and bid their work accordingly. Each Contractor must provide suitable compacted materials per project documents and haul off-site any extra materials.
38. Temporary toilets will be provided by others.
39. Each Contractor will be required to make provisions for safety/access for own work such as; provide ladders, fall protection, drinking water, traffic control, signage, etc.
40. Each contractor must provide the necessary manpower to monitor, protect and adjust their work items placed in concrete, masonry grouting, etc. to ensure alignment of finished product.
41. Each contractor will be required to provide their own sleeves, core drill, or otherwise make own penetrations and seal openings for work through walls, floors and ceilings.
42. At locations where work is scheduled to take place over or on the finished roof, the installing Contractor will be required to place plywood down in their work area in order to protect the roof from materials and heavy foot traffic.
43. Each work package must coordinate with the Roofing Contractor in order to schedule installation of roof penetrations prior to roofing system installation.
44. All contractors should make arrangements to provide temporary lighting above and beyond what is installed as part of the Electrical work package as required to complete

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- the Scope of Work. This includes any portable lighting and related power supply for any work required after hours to meet the construction schedule.
45. Each contractor must provide an electronic device capable of using MGC programs to track RFI responses, submittals, contract documents, schedule, meeting minutes, etc. MGC will not be responsible for printing documents for subcontractors.
 46. **Material Escalation Costs:** Each Contractor is responsible for reviewing the Project Schedule for timing of delivery of equipment and materials to the jobsite. This includes accounting for material escalation costs associated with material to be installed, as well as potential labor rate increases. If equipment or materials are pre-purchased and stored, Contractors may bill for stored materials if they provide sufficient documentation (i.e. pictures, affidavits, proof of insurance, etc.) that the equipment or material is for the Salina High School project.
 47. Contractor shall be responsible for keeping surrounding streets clean of mud and debris and track out resulting from the work include in their scope. Any Contractor whose operations disturb, disrupt, damage or obliterate any siltation control measure, track out reduction measure, or Best Management Practice process or practice will be responsible for the cost to replace or re-establish the measure.
 48. If required to complete the scope of work, Contractor is to provide temporary generator power until permanent/temporary power is connected.
 49. Owner's surveyor will provide benchmarks / control points at various locations. All Contractors are responsible for their own layout above and beyond. Any benchmarks that are damaged will be re-established by the Owner's surveyor at the expense of the Contractor responsible for the damage.

Plans & Specifications

1. This Contract to include all work complete per Contract Documents including:
 - a. Structural & Site Package Permit Set, dated November 4, 2015
 - b. Progress Set dated November 4, 2015 (Architectural & MEPFS For Reference Only)
2. Specification Sections that are included in the scope of this Work Package include all Division 0 and Division 1 specification sections and particularly specification sections:
 - a. Section 034100 Precast Structural Concrete

Scope of Work

1. This Work Package includes all formwork, embeds necessary to complete this scope, finishes, custom forming, inserts, etc., delivery, unloading and erection for a complete Precast Concrete package per the contract documents.
2. Provide precast system complete per the contract documents
3. Furnish all embeds required to be installed by others for this scope of work.
4. Insulated panels as required per the contract documents.
5. Furnish and install T's as required per the contract documents.
6. Subcontractor shall furnish all finishes as required per the contract documents
7. Subcontractor shall provide mockup per the requirements of the contract documents including removal and disposal.
8. Subcontractor shall provide all hoisting and installation of panels.
9. Subcontractor shall provide shop drawings of panels and braces, including documents signed and sealed by a professional engineer in the state of Kansas, as required per the contract documents. Shop drawings shall also include rough opening locations for all other openings.
10. Subcontractor shall including grouting precast panels as is required by contract documents.
11. Subcontractor shall provide detailed erection and phasing plans for approval by MGC and design teams.

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12. Include detailed layout of locations of embeds (embeds provided by this Subcontractor, installed by others) for precast to attached to.
13. Connections as is required per the contract documents
14. Subcontractor has reviewed the site logistics plan and understands site constraints.
15. Subcontractor shall patch any lifting points that will remain exposed are that are not covered by other trades or finishes.
16. Subcontractor shall furnish, install, design and remove all wall bracing and shoring as required to complete this Work Package. Contractor to include installation and removal of "deadmen" for bracing as required.
17. Includes cleaning of precast panels post erection.
18. Subcontractor to include shimming and leveling panels.
19. Subcontractor shall provide Ferrule loop insert and threaded rod as noted in contract documents. Threaded rod to be installed by others.
20. Subcontractor shall provide mechanical coupler, wall hold down dowels and associated Sleeves as noted in contract documents.
21. Subcontractor shall coordinate with mechanical, electrical, plumbing, and all other drawings and shall coordinate properly with rough-in and block outs.
22. Subcontractor shall provide coordination with contract documents and other trades for block out requirements.
23. Subcontractor to complete a pre-erection survey of all embeds and report any discrepancies to McCownGordon a minimum of 10 days prior to erection in order to not delay precast erection.
24. Subcontractor shall provide flagmen as is required to facilitate truck access into and out of the construction area.

Exclusions

- a. Sales tax
- b. Caulking of Panel Joints

All work under these allowances is to be as directed by the Construction Manager on a time and material basis and will require daily signed work tickets. Any unused portion of the allowances will be returned to the Owner.

Unit Prices

- a. Unit Price #1 – Hourly rate for crane and operator \$ _____
- b. Unit Price #2 – Hourly rate for work by carpenter \$ _____
- c. Unit Price #3 – Hourly rate for work by iron worker \$ _____
- d. Unit Price #4 – Hourly rate for work by laborer \$ _____

Base Bid

\$ _____

Alternate DEDUCT – Eliminate integral insulation and architectural wythe from precast panels at north and west precast walls. Exterior of panels to be finished per contract documents.

\$ _____

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Subcontractor Acknowledgement:

The undersigned hereby declares that he/she has examined the Construction Documents, has visited the Site, and agrees to all terms and conditions set forth in this scope of work and all of the Contract Documents. The undersigned understands that his/her competence and responsibility and that of his/her subcontractors, time of completion, as well as any other factors of interest to the Owner may be a consideration in making award. The Owner reserves the right to reject any or all proposals and unit prices, and waive technicalities concerning the proposals received as it may be in his/her best interest to do so.

Name & Title: _____

Company: _____

Signature: _____

Date: _____

Phone: _____

Work Package: _____