

02 Site Concrete

I. Mobilization

- a. The work includes mobilization of trucks machinery, equipment and tools to construct building concrete flat work
- b. If onsite storage or parking is required this sub will work with the superintendent for accommodations

II. Material Handling

- a. The work includes ordering and receiving material and supplies that the sub or the General Contractor purchases for the work
- b. The sub will provide all machinery for lifting, and unloading materials and equipment
- c. Materials, equipment and machinery for work at a given module will be immediately moved to the next module after work is completed. The sub will not store or stockpile on site

III. Stored Materials

- a. The subcontractor should have no stored materials to invoice

IV. Material and equipment

- a. The sub will provide all forming material and fasteners and tools for the completion of its work
- b. The sub will provide all equipment necessary for shaping sub-grades and placing fill material
- c. The sub will provide all reinforcing steel, sand cushion beneath the concrete.
- d. The sub will provide all redi-mix concrete for the work
- e. The sub will supply all sealer that is required of the work
- f. The sub will supply all bituminous expansion for the work
- g. The sub will supply all required barricades for the protection of the public
- h. The sub will provide all traffic cones and warning signs and warning devices when working in the ROW or in public streets
- i. The sub will provide all expendable materials such as nails, chalk, saw blades, finishing trowel blades
- j. The sub will furnish all fuel and oil for equipment

V. Installation and execution

- a. The work includes:
 - i. All site exterior concrete work. Building slabs excluded
 - ii. All site and offsite sidewalks
 - iii. All site and off site curb and curb and gutter work
 - iv. All site and off site curb walk combinations
 - v. All service walks to buildings
 - vi. All patios and stoops at buildings
 - vii. All breezeways at buildings
 - viii. All concrete service drives that my shown
 - ix. All bollards and bumper posts
 - x. All light pole bases that may be required
 - xi. All sign bases that may be required

- xii. All aprons at garage driveways
- xiii. Pool deck and sidewalks
- xiv. All sand or stone fill and compaction required at all exterior concrete work
- xv. All forming, curing and cutting of concrete as required
- xvi. Installation of all rebar, mesh, expansion material and embedded pins or cold joint construction

VI. Cleaning

- a. The work includes filling and reshaping building site fill and sub-grades, repairing machinery tier ruts and ensuring that the dirt at the building periphery is smooth and sloped away from the building foundation.
- b. The work includes cleaning up left over concrete spillage and wash out concrete residue
- c. The work includes gathering left over rebar, mesh, forming lumber etc., and moving useable material to the next module of work, discarding dunnage to waste containers on the site
- d. Immediately after cutting concrete clean the residue from the surface
- e. The work area will be cleaned up daily, materials will be stacked in an organized manner to ensure that there are no trip hazards
- f. At the conclusion of work at a given module, all form lumber and any debris generated by the concrete work will be discarded or salvaged and moved away from the work area to enable the next trade to mobilize and work

VII. Protection of the work

- a. It is this subs responsibility to protect the work through the curing process by installing barricades and caution ribbons as a minimum requirement
- b. The materials will be protected from heat and rains and wintry conditions. On hot days concrete curing agents must be used in order to prevent surface cracks and rapid dehydration sprawling. In adversely wet or cold weather covering the work is a part of this scope
- c. GC will not be responsible for the care of concrete work being placed or in place

VIII. Winter Protection

- a. The cost for winter protection is not known with any degree of certainty, It is the GC's policy for this subcontractor to furnish heaters and blankets and visquene as required to ensure that work in place is protected from damage and to also cover building sub-grades at modules where sub grades are not protected from freeze
- b. GC will provide all power and fuel for winter protection, the sub is to provide the heaters and blankets to maintain thaw

IX. Safety

- a. The work includes workmen on site who have been trained in OSHA safety requirements and who have the ability to recognize and unsafe act or condition and has the authority to stop work and make recommendation for improvements

X. Closeout

- a. There are no closeout requirements for this subcontractor

XI. Submittals

- a. As a part of the work this subcontractor will make submittals on the following materials
 - i. Reinforcing steel
 - ii. Wire mesh
 - iii. Embedded anchors
 - iv. Bituminous expansion
 - v. Under-slab sand or stone
 - vi. Concrete mix designs from supplier of choice

XII. Project Schedule

- a. The schedule is comprised of the number of workdays required to complete work at a given building module. The superintendent will inform the subcontractor well in advance that he is ready for this scope to begin, After-which time the subcontractor will perform work to completion within the time constraints contractually agreed to. In other words if the subcontractor agrees to brick building one in ten days, he will be given notice to begin work and expected to be complete with that work within the given time constraint (in days)
- b. The schedule shall be based on the enclosed duration schedule:

XIII. Value Engineering

- a. Please submit all value-engineering ideas as voluntary alternates