

EXHIBIT B – Scope of Work

Intent:

In general, this Bid Package is comprehensive to specific CSI Division Work and related Work as referenced, indicated on, or implied by the Project Drawings, Specifications and Project Manual. Subcontractor acknowledges that the following Scope of Work detail is provided as a courtesy and must be used in conjunction with **all** Project Documents. Scope of Work detail listed is not intended to describe a complete and final work scope. It is provided as a summary overview only.

Document Inclusions:

- Sample subcontract agreement with special provisions and exhibits
- Owner contract
- Exhibit B - this scope of work
- Schedule
- Logistics plan
- Soils Report
- March 29, 2019 75% CD drawings and specifications

Scope of Work Summary:

Furnish all **Waterproofing and Caulking** submittals and shop drawings, fabrication, materials, safety, quality control, labor, equipment and tools, competent supervision, hoisting, scaffolding, man lifts, campus traffic control measures, and transportation required for a complete installation of all **Waterproofing and Caulking** as outlined in the contract documents.

- ✓ **Caulking**
- ✓ **Expansion Joints**
- ✓ **Waterproofing**
- ✓ **Traffic Coating**

Trade Specific Scope of Work Items:

The following is a general outline of items specifically included, but not limited to, under this agreement:

1. Provide cleaning of all exposed surfaces furnished under this package prior to final turnover.
2. Subcontractor shall obtain and pay for any any required re-inspection fees / costs are responsibility of Subcontractor. It is the responsibility of this Subcontractor to anticipate inspection delays in the installation durations and sequence such work ahead of others as not to impose delays in the schedule.
3. Subcontractor understands that multiple areas will be occurring simultaneously and said Subcontractor shall provide required supervision and manpower to maintain multiple work areas. Subcontractor agrees to adjust manpower and supervision requirements to meet acceleration potential of the building structure at no additional cost to Contractor.
4. All testing, certification tests, etc. under direction of Owner, Engineer, Inspectors, and governmental authority(s) having jurisdiction.

5. This Subcontractor shall make deliveries by trailer truck. Storage space at the jobsite is extremely limited and will only be available as allowed by the CM. Include all necessary equipment, etc. to unload all deliveries.
6. Subcontractor shall include 2% of the total contract value for participation in composite clean-up crew. Balfour Beatty will be responsible for managing this crew.
7. Cleaning of streets if soiled by this subcontractor is included immediately upon occurrence before Owner contracts BBC.
8. Flaggers at site entrance are included for your scope of work entering and existing site
9. CAULKING SCOPE:
 - a. Include all primers, backer rods, tooling, etc. for all caulking. Assume all items are caulked both sides.
 - b. Standard colors as approved by Architect is included
 - c. Following is a list of caulking requirements
 - i. Slab-on-grade at parking deck and stair including all control joints, expansion joints, construction joints and perimeter of entire slab abutting precast or masonry. Removal of expansion joint materials installed by concrete subcontractor is included
 - ii. Elevator
 1. door frames to masonry
 2. Sump pump power conduit, and sump pump drain line through wall (interior and exterior sides)
 3. Precast panels on interior side of elevator shaft from pit to roof (will be able to ride the top of elevator car)
 4. Elevator shaft and machine room cable tray penetrations (interior and exterior sides) at level 5
 - iii. MEP penetrations and hosebibs, etc. at exterior precast walls
 - iv. Fire sprinkler standpipes (x6 each) deck slab penetrations at levels 2-5
 - v. Electrical conduit penetrations
 1. stair walls and slabs penetrations
 2. main deck slab penetrations at levels 2-5
 - vi. all Sidewalk joints
 - vii. Interior side only of curtainwall perimeter

viii. Masonry walls:

1. Penetrations (inside and outside)
2. Masonry walls abutting precast (inside and outside)
3. Door frames (inside and outside)
4. Tops of masonry walls (inside and outside)

10. EXPANSION JOINTS SCOPE:

- a. Include all primers, backer rods, tooling, etc. for all caulking. Assume all items are caulked both sides.
- b. Standard colors as approved by Architect is included
- c. Following is a list of Expansion joints and covers
 - i. 3" EJ at both Stair Towers:
 1. Exterior vertical joints (2 locations per stair) from grade to roof
 2. Slab-on-grade joint entering stair from deck
 3. Precast to precast slab joints at levels 2-5 entering stair from deck
 4. Interior vertical joints on both sides of stair entry opening from deck at levels 1-5
 - ii. Ramp slab on grade to ramp precast on level 1 to level 2 joint

11. WATERPROOFING SCOPE:

- a. Include all footing and wall cleaning and preparation (including minor patching or grinding), primers, protection board, drainage board, etc.
- b. Following is a list of waterproofing locations:
 - i. Inside of the ramp precast walls from level 1 to level 2
 - ii. Elevator pits perimeter

12. TRAFFIC COATING SCOPE:

- a. Include all precast slab cleaning and preparation (including minor patching or grinding), primers, etc.
- b. Install traffic coating on over the electrical, security, and telecom rooms (extend from precast joint to precast joint with a minimum of 5'-0" beyond room walls below or to next precast joint whichever is furthest)

- c. Install traffic coating on top of precast stair/elevator roof slabs (under the roof trusses) to provide immediate roof dry in of stairs and elevators while the roof trusses are being installed. Include caulking of precast joints prior to applying traffic coating. Provide all worker tie-off requirements to access the work.

13. Project award includes erection times (fill in durations):

Shop Drawing Time: _____ weeks

Fabrication Time: _____ weeks

Erection start date: _____

Estimated duration of erection: _____ weeks

EXCLUSIONS:

1. Caulking precast to precast joints on exterior side of deck and tees (by precast sub)

ALTERNATES:

1. None