

## SECTION 01 3200

### CONSTRUCTION PROGRESS DOCUMENTATION

#### PART 1 – PROJECT SCHEDULE

##### 1.1 GENERAL

- A. Upon Notice to Proceed the overall Project CPM Schedule will be prepared by the Contractor in accordance with the following.

#### PART 2 - CPM CONSTRUCTION SCHEDULING

##### 2.1 GENERAL

- A. The CPM Schedule network plan including any appropriate milestone dates and the computer-produced reports shall be part of the Owner/Contractor agreement as stipulated herein.
- C. The purpose of the plan and schedule will be to assure adequate planning and execution of the work of the Contractor, and to assist the Owner's Representative in monitoring the progress of the work and evaluating proposed changes to the contract and schedule.
- D. The project management tool commonly called the Critical Path Method (CPM) shall be employed for the planning, scheduling and reporting of all work to be performed under the contract. Primavera P6 shall be used by the Contractor to computerize the CPM Schedule network.
- E. Changes to the construction schedule affecting start and completion dates of activities or durations shall not automatically mean that an extension of the Contract Completion Date is warranted or due the Contractor. A Contract Modification or delay may not affect existing critical activities or may cause non-critical activities to become critical, resulting only in absorbing a part of the available total float that may exist within an activity chain on the Network and no change to the interim milestone dates or the Contract Completion Date.
- F. Total float is defined as the amount of time between the early start date and the late start date, or the early finish date and the late finish date, for each and every activity in the schedule. Float is not for the exclusive use or benefit of either the Owner or the Contractor. Extensions of time to interim milestone dates or the Contract Completion Date under the Contract will be granted only to the extent that equitable time adjustment to the activity or activities affected by the Contract Modification or delay exceeds the total float of the affected or

subsequent paths and extends any interim milestone date or the Contract Completion Date.

- G. In no event shall any progress report or updated schedule constitute an extension or change of the Contract Time, a milestone date or the Contract Sum unless any such adjustment is agreed to by the Owner and authorized pursuant to a change order.

### 3.2 INITIAL SUBMITTAL AND NETWORK PREPARATION

- A. Within ten (10) calendar days after Notice to Proceed the Contractor shall submit a high level summary project schedule in barchart form.
- D. Within thirty (30) calendar days after Notice to Proceed the Contractor will submit a draft baseline CPM schedule.
- E. The Contractor will be responsible for assuring that any and all subcontractor work, as well as his own work, is included and that the diagram shows a coordinated plan of work.
- F. Proposed durations assigned to each activity shall reflect the Contractor's best estimate of time required to complete activity considering the scope and resources planned for activity.
- H. Seasonal weather conditions will be considered in the planning and scheduling of all work influenced by high or low ambient temperatures to insure the completion of all contract work within the allotted contract time milestone completion dates.

### 3.3 REVIEW AND APPROVAL

- A. The General Contractor shall provide an electronic version of the schedule in the native software format to the Owner's Representative for verification of conformance with the contract documents. The Owner's Representative will provide comment on the CPM Schedule within ten (10) calendar days of receipt.
- B. Upon establishment of an agreed upon schedule, the Contractor and Owner's Representative will sign the CPM Schedule network drawings and computer produced reports, which will then indicate the acceptance and approval of the baseline project schedule. Failure to submit can be grounds for withholding payment.

### 3.4 SCHEDULING UPDATING AND REVISIONS

- A. The Approved Project Schedule will be updated by the Contractor monthly, for the purpose of recording and monitoring the progress of work.

- B. Based on the result of the progress update, when the approved project schedule no longer represents the actual prosecution and progress of the work, a revision to the schedule logic sequence and the precedence diagram may be required by the Owner's Representative or requested by the Contractor.
- E. The Contractor will prepare a revised construction schedule incorporating the necessary or agreed to changes to the logic sequence and distribute it.
- F. Contractor shall complete updates & submit updated schedule in paper and electronic format in the native software format to the Owner's Representative by the 25<sup>th</sup> of each month. Failure to submit can be grounds for withholding payment.
- H. Updating the schedule to reflect actual progress made up to the date of an update shall not be considered revisions to logic sequence and schedule.

### 3.5 RESPONSIBILITY FOR COMPLETION

- A. The Contractor shall furnish sufficient forces, plan and equipment, and shall work such hours including night shift and overtime operations, as necessary to ensure the prosecution of the work in accordance with the most current update of the Project Schedule. If, in the opinion of the Owner's Representative, the Contractor falls behind in meeting the schedule as presented in the most current update, the Contractor shall take steps as may be necessary to improve his progress, and the Owner's Representative may require him to increase the hours of work, the number of shifts, overtime operations and/or the amount of construction plant and equipment without additional cost to the Owner. All additional expenses incurred by the Owner due to such work will be deducted from the amount due the Contractor. The provisions of this section shall not be construed as prohibiting work on Saturdays, Sundays, and holidays if the Contractor so elects and if approved by the Owner's designated project representative.

END OF SECTION