

## **Construction Scheduling Guidelines**

The items and issues below are issues and concerns the Construction Schedule Engineer should keep in mind when working with construction schedules. It is similar, in purpose, to the Constructability Guidelines.

- ( ) See NJDOT Construction Scheduling Standard Coding and Procedures Manual for logic within program input
- ( ) Utility notification time frames and actual work time frames need to agree with time frames stated in Special Provisions.
- ( ) If needed, make sure sufficient time is provided for design of highway lighting and signal plans.
- ( ) Weather must be considered when creating the schedule.
- ( ) Concrete placement and pavement work (bridge decks, sidewalks, curbs, etc.) is not desirable during the winter months.
- ( ) Constraints such as tourism, holiday shopping, and landscaping must be considered.
- ( ) Gas, water, and electric service interruptions should not occur in peak usage. Electrical Power and Water shut-offs are not recommended during hot weather months. Gas interruptions are not recommended in cold weather months.
- ( ) Consider the long lead times required for items that are not readily available and must be customized, such as Sluice Gates and Fish ladders.
- ( ) Check allowable time frames for railroad track outages. Has work been scheduled within the allowable time frames dictated by the railroad?
- ( ) Check allowable time frames for lane closures, detours, etc. Has work been scheduled within the allowable time frames?
- ( ) Verify that construction schedule fits the level of complexity for the project and is coordinated with the staging shown on the plans.
- ( ) Discuss the optimum construction start, substantial and final completion dates on the schedule with the Designer and Project Manager.
- ( ) Are Interim Completion dates provided in the Special Provisions?
- ( ) Are required permits and other constraints considered in the schedule?
- ( ) Are embankment settlement time frames considered in the schedule?
- ( ) Ensure ROW has been acquired. This will impact the completion dates. (ROW delays can use most of the contract duration).
- ( ) Observance of local noise ordinances, although not always a requirement, should be considered for construction. This includes material/plant suppliers not usually within the project limits.
- ( ) Are Environmental permit restrictions considered in schedule?