

## MASTER SCHEDULING

Managers of owner organizations as well as companies performing engineering and construction work have a common goal of providing a superior service and product. Certain problem areas typically exist which require improvement. These problems may include a lack of communication and coordination between the various parties involved in a large complex project or program. These issues could severely impact planning and funding, proper data integration, communication, logistics issues, permitting and right-of-way acquisitions.

TPA's approach provides the enterprise structure needed to manage multiple projects – from the highest levels of the organization, to the individuals that perform specific project tasks. It is available to all projects across the enterprise and provides the structure necessary for centralized project and resource management. We utilize the hierarchy developed to view project priorities, scope, budgets, and resources across the enterprise. We can facilitate the proper management of projects separately, while retaining the ability to roll up and summarize data across multiple projects. We can view resource allocation across these projects, and assign security at any level of the structure to provide users with appropriate access to project information.

These services typically are provided in three phases, as follows:

- Development
- Maintenance
- Renewal

The **Development Phase** concentrates on gathering and consolidating individual owner or company project schedules into an integrated master schedule, which will include high-level tasks, dates, and deadlines for all phases of joint projects over a period of up to 12 months. All linkages regarding planning, design and construction can be coordinated in order to identify critical path activities, relevant inter-dependencies, progress updates, and key project phases into a common platform. All data sources, formats and media will be identified and documented. The master schedule will work together with its component (owner and company) schedules, in order to communicate effectively and resolve any conflicts between the individual schedules.

The **Maintenance Phase** may cover up to a 12-month period, in which the master schedule is updated monthly for publication. During each month, certain tasks will be performed, addressing:

- Near-term tasks, including outstanding issues, for the next seven (7) calendar days
- Identification and quantification of issues which may impact critical paths
- Securing of task status from each member
- Provision of “red flag” warnings relating to project tasks

The **Renewal Phase** can cover each additional period, in which the master schedule is maintained in accordance with the general terms of the Maintenance Phase.