

A construction professional wearing a yellow hard hat and a light blue button-down shirt is seen from the back, holding and reviewing a large set of architectural blueprints. The background shows a modern office with large windows and a blurred cityscape.

PROJECT PLANNING AND SCHEDULING SERVICES



ABOUT REVAY

Revay and Associates Limited is an independent firm offering consulting services to the construction industry. Today, our personnel comprise approximately sixty professionals, primarily engineers, architects, senior technologists and other related professionals.

Founded in 1970, the firm has established a reputation as Canada's leading consultant in the field of construction dispute resolution. Dispute resolution assignments represent about 60 percent of Revay's work. In its over forty-five year history, Revay has been involved in the resolution of approximately 7,000 construction disputes. In addition to dispute resolution, the firm offers planning, scheduling, project management, contract administration and risk management services.

Our client base covers the entire spectrum of the construction industry including all levels of government, public and private sector owners, contractors, subcontractors and suppliers, architectural and engineering firms including EPCM firms, law firms, financial institutions and industry associations. Revay has carried out assignments throughout Canada and the United States, in several European, African, Asian, South and Central American countries, as well as in Australia.

PROJECT PLANNING AND SCHEDULING SERVICES

Reva has provided project planning and scheduling services for thousands of projects throughout Canada and abroad.

Our construction project planning and scheduling services for **owners and architects** include:

- » Project Plan and Schedule Development;
- » Contractor Schedule Reviews;
- » Schedule Risk Management; and
- » Client Occupancy Scheduling.

Our construction project planning and scheduling services for **contractors** include:

- » Preliminary Project Schedule Development;
- » Comprehensive Project Schedule Development;
- » Schedule Management – Periodic Reviews and Updates; and
- » Custom Schedule Presentations.





PROFESSIONAL SERVICES FOR OWNERS AND ARCHITECTS

PROJECT PLAN AND SCHEDULE DEVELOPMENT

Prior to the issuance of a request for proposals (RFP) for a project, Revay assists with developing the schedule specifications. Engaging in a thorough review of the scheduling requirements for a particular project at the early stages provides owners and architects with a better understanding of the project requirements.

As part of the owner/architect team, Revay takes a lead role in developing the project plan. The information is gathered from a variety of sources, including project briefs, specification reviews, preliminary concepts as well as other preliminary information.

In conjunction with the project plan, Revay assists with the development of a project schedule aligned with the project work breakdown structure (WBS). The project schedule is developed using the critical path method (CPM).

Once a plan is developed and a preliminary schedule is established using CPM, Revay conducts options analyses and “what if” scenarios on the project schedule. These analyses provide a method of validating the planned duration of the overall project. Revay involves the owner/architect team in its exercises and provides advice and recommendations related to project planning and scheduling with a view to mitigating schedule risks and achieving the most effective project sequence.

CONTRACTOR SCHEDULE REVIEWS

Revay is often engaged by the owner/architect team to review the contractor's schedule on a periodic basis. Revay works with the contractor to review the schedule in order to establish a schedule that both satisfies the owner's schedule specifications and meets industry standards. Revay implements scheduling best practices by following Defense Contract Management Agency's (DCMA) 14 point schedule assessment guideline along with other industry best practices as identified by AACE, PMI, and the US Army Corps of Engineers. Our consultants have access to state-of-the-art software to thoroughly yet promptly review and report on the quality of the contractor's schedule. The schedule reviews are generally accompanied by narratives drafted by our consultants that describe the various issues discovered.

SCHEDULE RISK MANAGEMENT

Revay's extensive and current experience on various construction projects provides our consultants with the ability to identify potential risks. By maintaining an up-to-date risk registry and performing periodic Monte-Carlo simulations, Revay can provide the client with recommendations for mitigation measures.

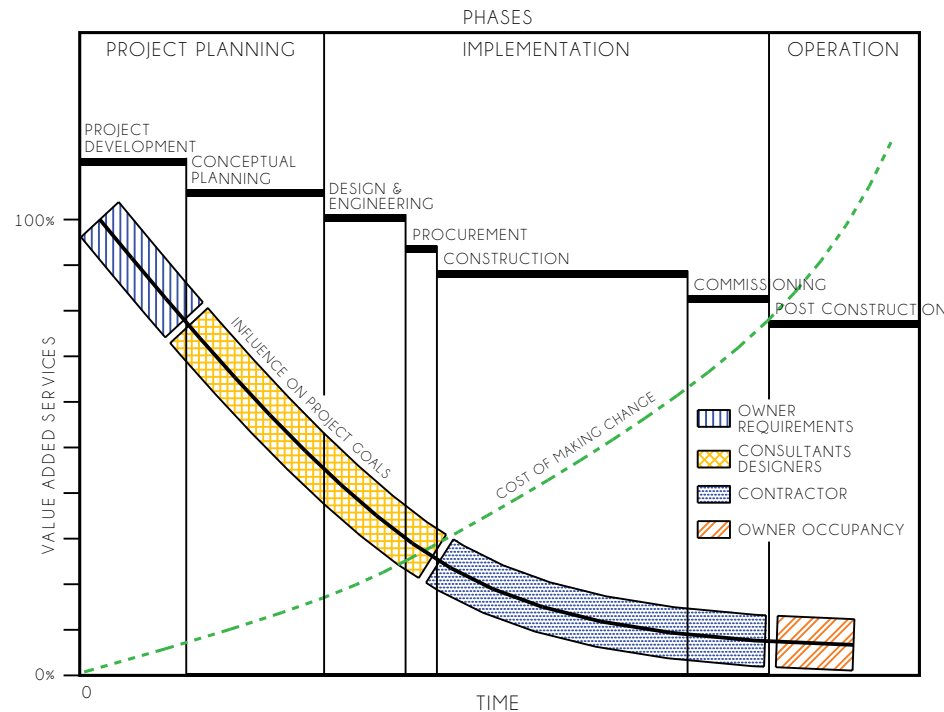
CLIENT OCCUPANCY SCHEDULING

As projects near completion, Revay assists the owner/architect team in planning and scheduling the client occupancy phase. While it is at times overlooked, this phase of the project is often complex and can include client commissioning of the building, Building Components and Connectivity (BCC) implementation, Furniture, Fixtures and Equipment (FF&E) implementation as well as other necessary steps for the client to seamlessly occupy the building.



PROFESSIONAL SERVICES FOR
CONTRACTORS

RELATIVE ABILITY TO INFLUENCE PROJECT



PRELIMINARY PROJECT SCHEDULE DEVELOPMENT

Revy provides planning and scheduling assistance to contractors during the development of the preliminary construction schedule. The available information for this task varies greatly from project to project and can include project briefs, specification reviews, preliminary concepts as well as other preliminary information.

COMPREHENSIVE PROJECT SCHEDULE DEVELOPMENT

Working with the contractor's team, Revy can take a lead role in developing the comprehensive project schedule using the critical path method (CPM). Revy's

consultants have experience with identifying the various activities that should become part of the schedule as well as determining the level of detail required based on the project size and complexity.

After a schedule is established, Revy conducts options analyses and "what if" scenarios on the project schedule. This enables the contractor to study its different options with respect to the sequencing of activities.

SCHEDULE MANAGEMENT – PERIODIC REVIEWS AND UPDATES

Revy supplements the contractor's team by providing experienced schedulers to provide periodic reviews and updates of the project schedule. The schedule reviews and updates include the following:

- » Report the progress of each activity which is validated during site visits;
- » Review schedules issued by subcontractors and incorporate into master schedule;
- » Report any changes to the schedule logic;
- » Provide accurate projections of completion dates;
- » Develop mitigation strategies as necessary; and
- » Record as-built information into the master schedule.

CUSTOM SCHEDULE PRESENTATIONS

Revy has gained a keen ability in presenting summary schedules and activity process maps to company executives and legal personnel when resolving construction disputes. Our effective communication visuals and tools have been implemented during project execution to better relay information to the owner's team as well as other stakeholders.

Our client base includes the entire spectrum of the construction industry, including:

- » Federal, provincial and municipal governments;
- » Public and private sector owners;
- » Contractors, subcontractors and suppliers;
- » Architectural and engineering firms;
- » Law firms;
- » Financial institutions; and
- » Industry associations.

Our assignments comprise all aspects of construction, including:

- » Commercial and institutional buildings;
- » Mining and metals;
- » Hydroelectric;
- » Heavy civil;
- » Road and rail transportation;
- » Airports and maritime facilities;
- » Industrial plants; and
- » Other infrastructure projects.



CLIENTS AND MARKETS



PROFESSIONALS

We are comprised of approximately sixty staff members, primarily of professional engineers, architects, senior technologists and other related professionals. The common denominator is that our professional staff are seasoned construction personnel, and collectively, have experience in various fields of civil, industrial, commercial and institutional construction. They have been drawn from sources as diverse as contractors, design firms and both public and private sector owners. When necessary, we supplement our resources from an established roster of experienced contract employees in order to add specific expertise. Our professionals frequently share their ideas and experience through the Revay Report, which can be found on our website, to educate the construction industry.



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