

# Construction AI Prompt Library – Expanded Edition

This guide contains detailed, copy and paste ready ChatGPT prompts designed to help construction companies improve planning, documentation, cost control, safety, and communication. All AI-generated outputs should be reviewed by qualified professionals before use.

## Project Management & Planning

- Act as an experienced construction superintendent. Create a detailed daily work plan for a [project type] project currently in the [phase] phase. Trades on site: [list trades]. Crew sizes: [if known]. Weather forecast: [conditions]. Include work activities by trade, sequencing and dependencies, safety considerations, material and equipment needs, and risks that could impact productivity.
- Act as a construction project manager. Create a two-week look-ahead schedule for a [project type] project in the [phase] stage. Include key tasks by trade, required inspections or approvals, critical path activities, coordination risks, and common causes of delay.
- Explain the correct construction sequencing for [specific scope of work]. Include pre-work requirements, inspections, trade handoffs, common mistakes, and best practices to avoid rework.
- Create a structured agenda for a weekly construction coordination meeting including safety review, schedule status, RFIs, coordination conflicts, action items, and accountability.

## Documentation, Reporting & Administration

- Using the notes below, draft a professional daily construction report suitable for owner review. Organize by work completed, workforce counts, weather, inspections, delays, and planned work. Notes: [paste notes].
- Draft a factual, non-biased construction incident report for the following situation: [description]. Include date, time, location, individuals involved (titles only), corrective actions, and preventative measures. Do not assign fault.
- Draft a clear and concise RFI regarding the following issue: [issue]. Include background, drawing/spec references, the specific question, and potential schedule or cost impact.

## Cost Control & Financial Management

- Draft a detailed change order narrative for additional work involving [scope]. Include the reason for change, scope description, labor/material/equipment drivers, and potential schedule impact in owner-friendly language.
- Analyze potential budget risks for a [project type] project in the [phase] phase. Identify high-risk cost categories, early warning signs, mitigation strategies, and documentation best practices.
- Provide value engineering options for [system or trade] while maintaining code compliance and performance. For each option include cost impact, pros and cons, and associated risks.

## Safety & Compliance

- Create a job hazard analysis (JHA) for the following construction task: [task]. Break down the task into steps, identify hazards, required PPE, control measures, and emergency considerations.
- Create a five-minute toolbox talk for construction workers on [safety topic]. Keep it practical, field-focused, and end with discussion questions.

## Workforce & Subcontractor Management

- Help document ongoing subcontractor performance issues related to [issue]. Include objective observations, missed commitments, schedule impacts, and requested corrective actions in a professional tone.
- Create a schedule recovery plan for a construction project delayed due to [cause]. Include resequencing options, staffing or overtime considerations, and risks associated with acceleration.

## Owner & Client Communication

- Write a concise weekly project update for an owner. Include overall project status, key accomplishments, current risks, and upcoming milestones in non-technical language.
- Draft a professional explanation of a construction delay caused by [reason]. Focus on facts, mitigation efforts, schedule impact, and next steps.

## Executive & Business Operations

- Create a standard operating procedure (SOP) for the following construction process: [process]. Include purpose, step-by-step workflow, roles and responsibilities, and common mistakes to avoid.
- Recommend key performance indicators (KPIs) for a construction company. Explain what each KPI measures, why it matters, and how often it should be reviewed.