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| **Example Risk Events** |
| **Construction Risks** |
| Unidentified utility impacts |
| Unexpected archeological findings |
| Changes during construction not in contract |
| Unidentified hazardous waste |
| Site is unsafe for workers |
| Delays due to traffic management and lane closures |
| **Design Risks** |
| Incomplete quantity estimates |
| Insufficient design analysis |
| Complex hydraulic features |
| Surveys incomplete |
| Inaccurate assumptions during the planning phase |
| **Environmental Risks** |
| Unanticipated noise impacts |
| Unforeseen Section 4(f) resources affected |
| Environmental clearance for borrow site required |
| Unanticipated barriers to wildlife |
| Unforeseen air quality issues |
| **External Risks** |
| Project not fully funded |
| Politically driven accelerated schedule |
| Permit agency actions cause unexpected delays |
| Public objections |
| Inflation and other market forces |
| **Organizational Risks** |
| Resource conflicts with other projects |
| Inexperienced staff assigned to project |
| Lack of specialized staff |
| Approval and decision processes cause delays |
| Priorities change on existing programs |
| **Project Management Risks** |
| Inadequate project scoping and scope creep |
| Consultant and contractor delays |
| Estimating and/or scheduling errors |
| Lack of coordination and communication |
| Unforeseen agreements required |
| **Right of Way Risks** |
| Unanticipated escalation in ROW values |
| Additional ROW may be needed |
| Acquisition of ROW may take longer than anticipated |
| Discovery of hazardous waste during the ROW phase |