

Preparing for the Unknowable Lessons Learned from the Construction Industry's Response to Significant Industry Disruptions

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"Prepare for the unknown by studying how others in the past have coped with the unforeseeable and the unpredictable."



-General George S. Patton



- Covid-19 epidemic has reinforced that substantial industry disruptions can occur suddenly and unexpectedly.
 - September 11, 2001
 - Subprime Crisis of 2007
 - Hurricanes Katrina / Sandy
 - Trade / Tariff Wars
 - Supply Market Disruptions
- Different causes that impact similar areas.
- Limited value in planning for a specific event better to manage risk by also focusing on the effects of disruptions and implementing less cause-specific measures.

Common areas of impact/risk from disruptive events.

- 1. Supply Chain
- 2. Labor Supply
- 3. Regulatory Compliance
- 4. Cash/Flow Liquidity
- 5. Other Areas of Impact



Supply Chain

- 1. Two primary supply chain impacts.
 - 1. Transportation
 - 2. Manufacturing
- 2. Money not always a solution.

3. Contractual Mitigation

- 1. Escalation / Material Indexes
- 2. Material Substitution
- 3. Purchase Order terms

4. Practical Mitigation

- 1. Early buys / inventory warehousing
- 2. Diversify suppliers



Labor Supply

- Way in which disruptions impact the labor market and availability.
 - 1. Work/travel restrictions
 - 2. Employee accommodation requirements
 - 3. Employee / labor force morale and availability
- 2. Contractual Mitigation.
 - 1. Collective Bargaining Agreements
- 3. Practical Mitigation.
 - 1. Adaptable employer work policies and engagement during crisis



Regulatory Compliance

- 1. Crisis inevitable leads to new regulations and regulatory response.
- 2. Contractual Mitigation.
 - 1. Compliance with law provisions.
 - 2. What is Applicable Law?
 - 3. Changes in Law provisions.
- 3. Practical Mitigation.
 - 1. Monitoring and response process.
 - 2. Engagement with subcontractors and owners
 - 3. Response and compliance team



Cash Flow / Liquidity

1. Multiple causes of delays in payment flow.

- 1. Lack of Owner / GC or project management
- 2. Budget crunch / cash-flow management necessitated by slowdowns or reductions in funding from Owner / GC sources.

2. Contractual Mitigation.

- 1. Strong drafting of payment clauses including rights of termination and attorneys fees
- 2. Accelerated dispute resolution for undisputed sums.
- 3. Balancing schedule of values to more accurately reflect cash-flows.

3. Practical Mitigation.

- 1. Diligent notice and enforcement of payment rights
- 2. Reviewing / ensuring sufficient payment security



Other Areas of Impact

1. Dispute Resolution

- 1. Project claims are a significant part of Project cashflow / success.
 - 1. Maintaining efficiency/flexibility is key to permit continuation of proceedings during a disruption as to minimize delays in resolution.
 - 2. Arbitration vs. Litigation; State vs. Federal Forums / Venues
 - 3. Best practices in re experts / depositions and other dispute resolution proceedings.

2. Insurance Coverage / Claims

- 1. Historically speaking insurance coverage has had limited applicability / availability in responding to outlier events such as terrorism, pandemics, etc.
- 2. Often express exclusions or limitations in coverage for these events as they fall outside standard underwriting risks.
- 3. Some coverage available where disruptions may lead to covered causes in the flood, etc.) but even those events must be carefully reviewed to ensure sufficient coverages.

Conclusion

Questions, comments, observations?



