

# 6σ LEAN SIX SIGMA IN CONSTRUCTION INDUSTRY



## BUSINESS CASE

### Supply Chain & Material Management Challenges

- ❑ Lack of material visibility.
- ❑ Incorrect materials ordered and received.
- ❑ Ineffective invoice ordering and approval process.
- ❑ Inefficient materials storage and handling standards.
- ❑ Material loss due to poor preservation maintenance.

### Goal of Lean Six Sigma

- ❑ Facilitate Process Improvement.
- ❑ Material Management
  - Movement of products and services from supplier to customer

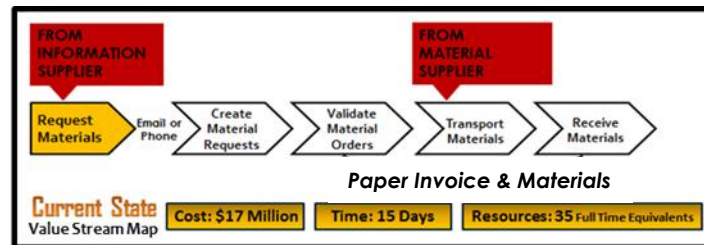
## RESULTS

- ❑ Total Cost Management
- ❑ Production Flexibility
- ❑ On-Time Delivery
- ❑ Customer Responsiveness
- ❑ Supplier Quality

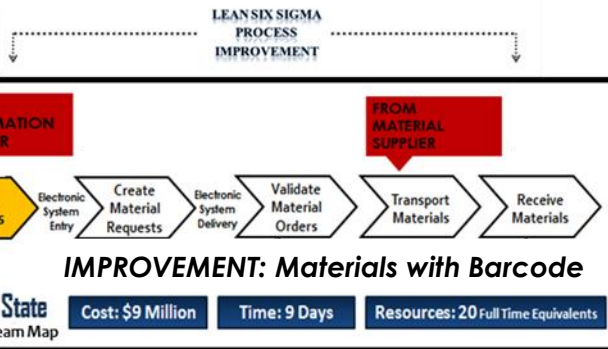
## PROCESS METHODOLOGY

### 7 Steps • 6 Months • 5 Key Measures

- ❑ Lean Six Sigma + Change Management
- ❑ Quality & Statistical Design Tools
- ❑ Integrated model enabling:
  - Superior Performance
  - Stakeholder Relationships
  - Optimal Technology Solutions



## 7-6-5 Process



- ❑ Standardized Processes
  - Plan, Order, Move & Store Materials
- ❑ Aligned Software (Ariba & SAP)
  - Track Materials
    - Location • Availability • Condition
  - Streamline Purchasing
- ❑ Effective Infrastructure
  - Establish Optimal Store Location Network
  - Preserve & Maintain Materials
- ❑ Organizational Capability
  - Ensure Fluency of Workforce