Construction Scheduling—INDOT Perspective
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INDOT Contract Requirements

- 108.04—Prosecution of the Work
  - Bar Chart Schedule
- Recurring Special Provision 108-C-215
  - Critical Path Method (CPM) Schedule
Bar Chart Schedule Requirements

- Submittal at Preconstruction Conference
- Exceptions
  - Contract Duration Less Than 60 Calendar Days
  - Contract Duration Less Than 35 Work Days
  - Less Than 60 Calendar Days Between NTP Issuance and Contract Completion Date
- Graphically Depicts Relationships Between Operations
- Used to Identify Controlling Operations
CPM Schedule Requirements

- Baseline Submittal at Preconstruction Conference

- Key Elements
  - Includes Non-Construction Activities
  - Limited Construction Activity Durations
  - Relationships Between Activities Identified
  - Calendar Assignment for Each Activity
  - Narrative Report

- Used to Identify Critical Path Activities
General Schedule Requirements

- Updates
  - Required At Least Monthly
    - Can Meet More Often Using “Look Ahead” Schedules
  - Compare Progress to Original Schedule Planned Progress
  - Action Plan if Contractor is Responsible for Work Performed Later Than Original Schedule
  - CPM Monthly Update Submittals Require Narrative Reports
Schedule Acceptance

- INDOT Does Not **Approve** Contractor Original or Update Schedules
  - Contractor is Responsible for Construction Management
- INDOT Needs to Review Schedules
  - Question Schedule Elements
    - Document Disagreements
  - Project Staffing Needs
  - Communicate with PIO
Schedule Applications

- Disputes/Claims
  - Compensation
    - Directed Acceleration
    - Extended Project Level Overhead
  - Time Adjustments
    - Delays to Controlling Operation or Critical Path Activities
    - If Delay is Excusable, Execute Time Adjustment Change Order as Soon as Possible
INDOT Schedule Priorities

- Schedules Are a Communication Tool
- Prompt Submittal of Original Bar Graph or Baseline CPM Schedule
  - INDOT Staffing Needs
  - Establishes Baseline from Which Delay Events Are Measured
    - Documents Contractor Intent at Time of Letting
    - Avoid “Wasted Effort Syndrome” On Contracts with Early Delays
Thank You!

Questions???