Construction Management Expert Technical Group

Concept Implementation Status

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2004 Scan Objectives

- International CM Procedures
- Focus Toward Ensuring Project Delivery
- Contract Compliance
- Quality Assurance
Recommendations

- Align Goals
- Risk Management
- Alternative Delivery Methods
- Qualifications
  - Rating Process
  - Procurement Process
Recommendations

• Early Contractor Involvement
• Alternate Bids/Designs
• Contractor Quality Management
• Alternative Contract Payment
• Warranties & Life-Cycle

Setting Projects up for Success...
“New” Definition of CM

The totality of activities that address the management and technology aspects of highway construction, conducted during the planning, design, construction, and post-construction phases of a project for the purpose of achieving scope, quality level, cost, schedule and other project performance objectives.
I am sure this will work!

I guess this is what they meant. I am sure they can build it this way!

I can't build this! Who the #&%$ dreamed this up!

I can't believe they left this %$#en piece of *&^% for me to live with!

Project Development & Implementation

Planning
Bridge To New Island

Design
Bridge To No Wheland

Construction
Bridge To Nowhere

Operations

Typical DOT “Silo” Approach
Construction Management

Expert Technical Group

Planning & Design
- Safety
- Staffing
- MOT
- Changes
- Training

Payments
- Quality
- Schedule
- Materials
- Etc...

Maintenance & Operations

Project Scoping

Project Bidding

Project Complete

Process Improvement

Project Post-Construction Analysis
Construction Management

ETG Headlines

• Risk Workshop Process
• SHRP II (Rapid Renewal) Risk Workshop
• Quality Systems
• International CM Conference
• Design-Build?
Implementation Tasks

• Scan Report
• ETG
• ETG Tasks
  - Research
  - Reports
  - Training – Workshops, Courses
• International CM Conference
• Continued Evolution...
Implementation Tasks

- Risk Guidelines
  - Complete
  - Ready for Marketing

- Alternate Payments Methods
  - Complete
  - Ready For Marketing
Implementation Tasks

- Best-Value Procurement
  - Complete
  - Ready for Implementation
- Alternate Bidding Practices
  - Underway
- Enhanced Prequalification Rating Process
  - Underway
Implementation Tasks

- Early Contractor Involvement
  - PPP & Others...
- Contractor Quality Management
- Warranties
- Life-Cycle Considerations
What Else?

- AASHTO Project Delivery Technical Committee
- Cradle to Grave PM?
  - Do We Evolve From CM to True PM?
- Partners
  - PS Workgroup
  - SHRP II Renewal
  - TRB
  - Highways for Life
- PPPs, Toll Road Development, Etc.
Questions?
“Old” Definition of Project Delivery

If We Can Get a Project to the Letting We Will be Successful

• Immense Pressure to Award Contracts Within a Given Timeline “No Matter What”

• Preconstruction Schedule Delays are Unacceptable

• Do “Whatever it Takes” to Get the Project to Letting
“New” Definition of Project Delivery

If We Can Get a Project **Open to the Public** We Will be Successful

- A Delayed Letting Does Not Necessarily Mean Delayed Completion
- Delays During **Construction** are Unacceptable
- Do “Whatever it Takes” During Preconstruction to Ensure We Have Focused on Completion **and Beyond**
“Old” Definition of CM

“Typical DOT Process”

Managing the Physical Construction of a Project After Award of a Contract to Ensure Quality, Safety, Cost, and Schedule Performance Expectations are Met Through Contract Administration Processes.