CSS & Project Delivery

- Project Delivery Acceleration & CSS Integration
- CSS Integration & Project delivery process challenges
- Tools, techniques or processes to support CSS integration
- Implementation of formal project management and CSS integration
- NEPA & CSS Integration
- Money, Resources & CSS Decision-making
- CSS and Value Engineering
- Training Effectiveness & Acceleration of CSS Implementation
Full CSS Integration

Full CSS Integration: High level process map
Context Sensitive Solutions: A Training Course for NHDOT Professionals & Their Partners

- Identify transportation problem or need
- Identify stakeholders
- Outreach & preliminary partnership-building
- Project enters 10-Yr Plan

PRODUCTS
- Stakeholder lists
- Preliminary identification of transportation issues
- Budget decision to proceed

AND/OR
- Possible non-Transportation Solutions: e.g. No Build decision, Land Use of Zoning solutions, etc.

PLANNING
- Bring in resource agencies; identify context
- Establish a multi-discipline team
- Discuss and develop consensus on a decision-making process, including plans for public involvement
- Develop consensus around a problem and need statement that includes transportation, community and environmental components
- Agree on project limits

PRODUCTS
- Process Contract
- Problem Statement
- Vision Statement

SCOPING
- Study the context
- Confirm problem statement
- Develop criteria to evaluate alternatives, based on problem and vision
- Establish a wide range of preliminary alternatives; narrow to a range of reasonable alternatives
- Document environmental effects of the reasonable range of alternatives
- Apply evaluation criteria to alternatives
- Secure consensus on the best alternative
- Create concept design
- Experiment
- Secure consensus on the conceptual design
- Secure official approval
- Preliminary engineering of selected alternative

PRODUCTS
- Evaluation criteria
- Reasonable range
- Preferred alternative
- Approved conceptual design
- Budget decision to proceed

DESIGN
- Final design of the selected solution of phase or project
- Purchase ROW
- Negotiate community maintenance agreements
- Include in construction documents all agreements and commitments made during Planning, Scoping, and Design
- Prepare bid package
- Spin off related community development projects

PRODUCTS
- Final design
- Bid package

CONSTRUCTION
- Advertise & bid project
- Award contract
- Maintenance of Traffic Plan & schedule to minimize disruption to residents & businesses
- Perform construction
- Coordinate, communicate, and change orders and design details
- Open project

PRODUCTS
- A completed project that addresses the problem and achieves the vision
- Make traffic adjustments
- Maintain community partnerships
- Monitor negotiated maintenance agreements
- Routine Maintenance and Operations activities
- Evaluate the project in terms of the extent to which it solves the problem and achieves the vision
- Capture lessons learned to improve the process
- Provide feedback
- Provide input to new problems & needs identification

PRODUCTS
- Adjusted facility
- Captured lessons
Project Delivery Acceleration & CSS Integration

- Steps or sub-processes within the project delivery process to accelerate CSS integration

Meredith, NH
US 3/NH 25
Francestown NH 47 Before
Francestown NH 47 After
Francestown NH 47 Before
Francestown NH47 After
CSS & Project Delivery Challenges

• List of Greatest Challenges
• Examination of each
Tools, Techniques & Processes

- Innovative tools, techniques or processes to support CSS integration
Littleton: Union and Reddington
Littleton: Union and Reddington
Formal Project Management & CSS Integration

- Connections between implementation of formal project management and CSS integration
NEPA & CSS

- Effective/innovative ways to relate NEPA compliance with stakeholder input processes
Money, Resources & CSS Decision-making

- Budgeting and Cost issues
- Human Resource Considerations
- Financial Resource Support for Team Activities
Enfield Main Street - 2001
Enfield Main Street - 2005
CSS & Value Engineering

- How to integrate CSS values into value engineering
Training & CSS Implementation

- Determining Needs
- Defining Training
- Measuring effectiveness
- Relevance to Accelerated CSS Implementation
Dublin NH101