The CSS Project Delivery Process

Excellence in Transportation Design

FEEDBACK

1 Problem Identification

CSS

- 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 or Zoning solutions, etc

2 Problem Solution

CSS

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
- Develop consensus on a project vision 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*

3 Solution Implementation

CSS

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 on change orders and design details
- Open project

PRODUCTS

- A completed project that addresses the problem and achieves the vision

4 Operation-Evaluation

CSS

- 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

New Hampshire DOT Department of Transportation