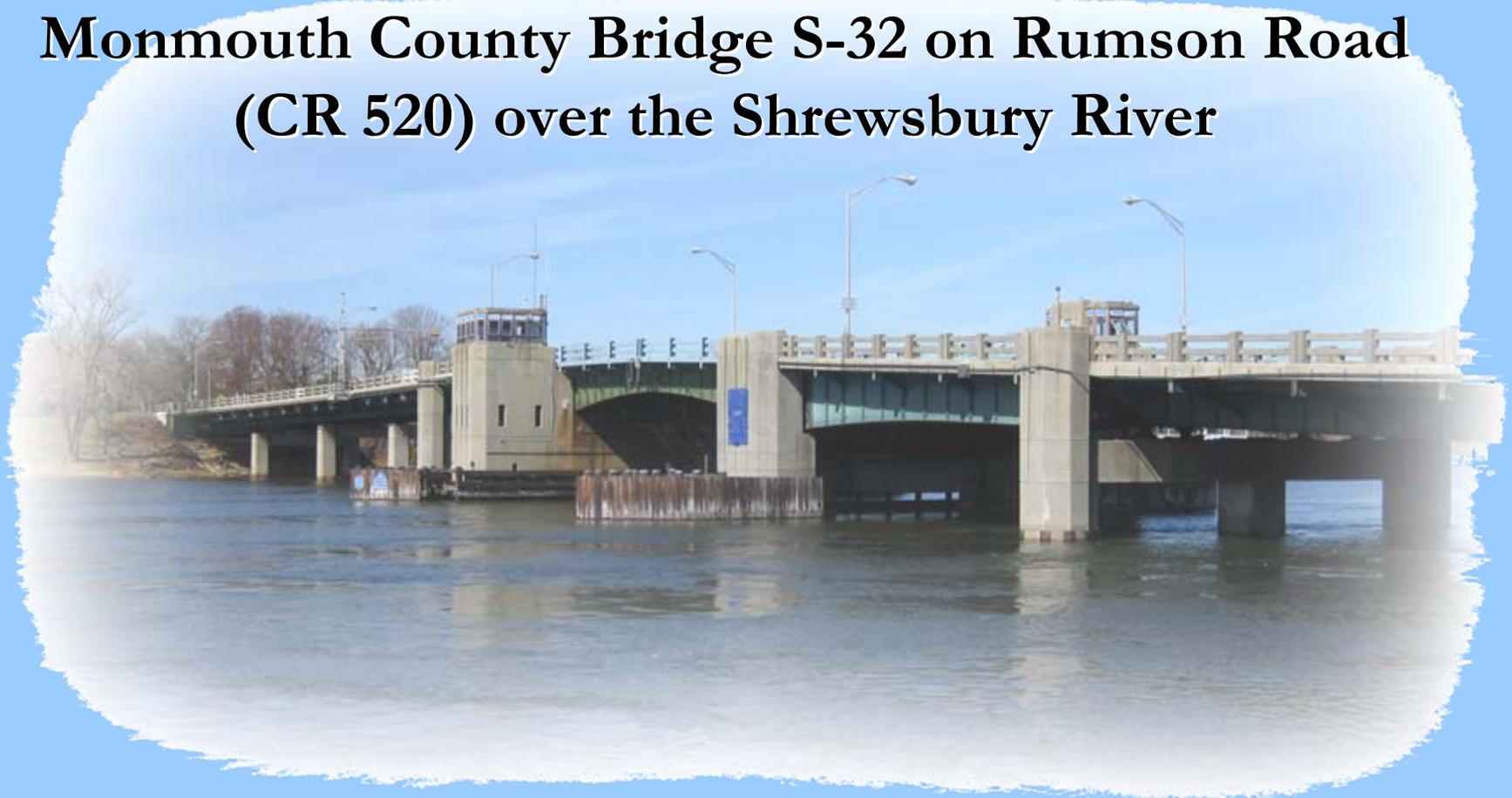


NJTPA - Local Concept Development Study Monmouth County Bridge S-32 on Rumson Road (CR 520) over the Shrewsbury River



Public Information Center



February 27, 2012



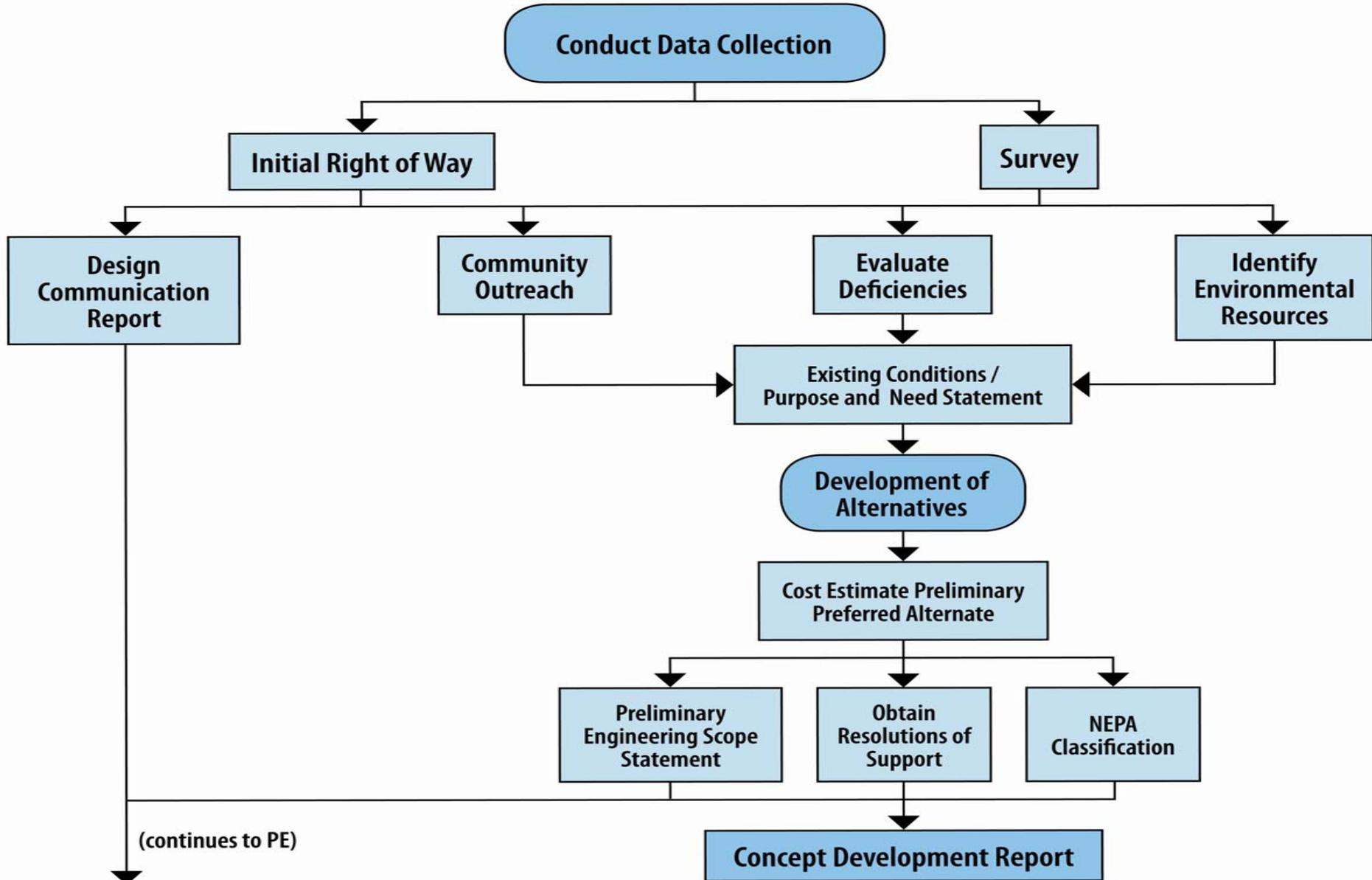
Project Overview and Background

- Rumson-Sea Bright Bridge S-32 was built in 1952.
- Routine maintenance can no longer address deficiencies.
- Bridge is in need of major rehabilitation or replacement.
- NJTPA/Monmouth County Local Concept Development (LCD) Study initiated October 2011.
- New program provides opportunity to advance this project with public input and agency collaboration.

Local Concept Development Process

Local Concept Development	Local Preliminary Engineering	Final Design/ Right of Way Acquisition	Construction
Purpose and Need Statement	Approved Design Exception Report	Construction Contract Documents and PS&E package	Completed Construction
Date Collection and Environmental Screening Report	Cost Estimates (Final Design, ROW and Construction)	Environmental Reevaluations	As-Built
Selection of Preliminary Preferred Alternative	Approved Environmental Document	Environmental Permits	Update and Finalize Design Communications Report
NEPA Classification	Approved Project Plan	Acquisition on ROW	Close-out Documentation
Concept Development Report	Preliminary Engineering Report	Update Design Communications Report	
Create Design Communications Report	Update Design Communications Report		

Local Concept Development Process



Environmental Process

- Federally funded project requires NEPA (National Environmental Protection Act) documentation
- Identify environmental resources and concerns
- Avoid, minimize and or mitigate impacts with Preferred Alternative
- Coordination with permitting agencies
- Process includes public input and community development

Existing Bridge Condition

- Bridge in serious overall condition – 2009 Bridge Inspection Report
- Sufficiency Rating = 25 (out of 100)
- Superstructure in poor condition – Rating = 4 out of 10
- Bridge may soon need to be load posted due to advancing deterioration of steel support members
- Deck and substructure in fair condition – Rating = 5 out 10
- Bridge needs \$10M in remedial repairs.

Existing Bridge Condition



Photo 1: South elevation



Photo 2: Bridge roadway looking east

Existing Bridge Condition



Photo 3: Bridge opening



Photo 4: Typical spalling in top of bridge deck

Existing Bridge Condition



Photo 5: Typical incipient spalls in underside of bridge deck - Spans 1 through 4



Photo 6: Typical spalls with exposed rebar in underside of bridge deck - Spans 1 through 4

Existing Bridge Condition



Photo 7: Eastern flanking span (Span 7) superstructure, heavy corrosion and rusting of floorbeams, section loss of one floorbeam



Photo 8: Bascule span superstructure, corrosion and deterioration of floorbeams

Existing Bridge Condition



Photo 9: Bascule span superstructure, corrosion and deterioration of floorbeams



Photo 10: Typical floor beam and stringers of bascule span superstructure

Existing Bridge Condition



Photo 11: Typical corroded/rusted bascule span floorbeam



Photo 12: North girder of bascule span – heavy corrosion/rusting in bottom flange and holes in web

Existing Bridge Condition



Photo 13: Typical heavy corrosion/rusting of girders and floorbeams, south approach spans



Photo 14: Typical heavy corrosion/rusting of floorbeams and stringers - bridge approach spans

Existing Bridge Condition



Photo 15: Typical heavy corrosion/rusting of approach span stringers



Photo 16: Typical severe corrosion of approach span bearings

Existing Bridge Condition



Photo 17: Severe embankment erosion at west abutment



Photo 18: Pier 8 - Moderate to severe scaling and marine growth in tidal zones

Project Status

- Work began November 2011
- Data Collection Nearly Complete
 1. Field Survey
 2. Environmental Screening
 3. Verification of Utilities
 4. Obtain Bridge Inspection Reports, Traffic Data, Accident Data
 5. Identify Existing Substandard Design Elements
 6. Stakeholders and Public Involvement
 7. Project Fact Sheet
 8. Develop Project Purpose and Need

Project Schedule

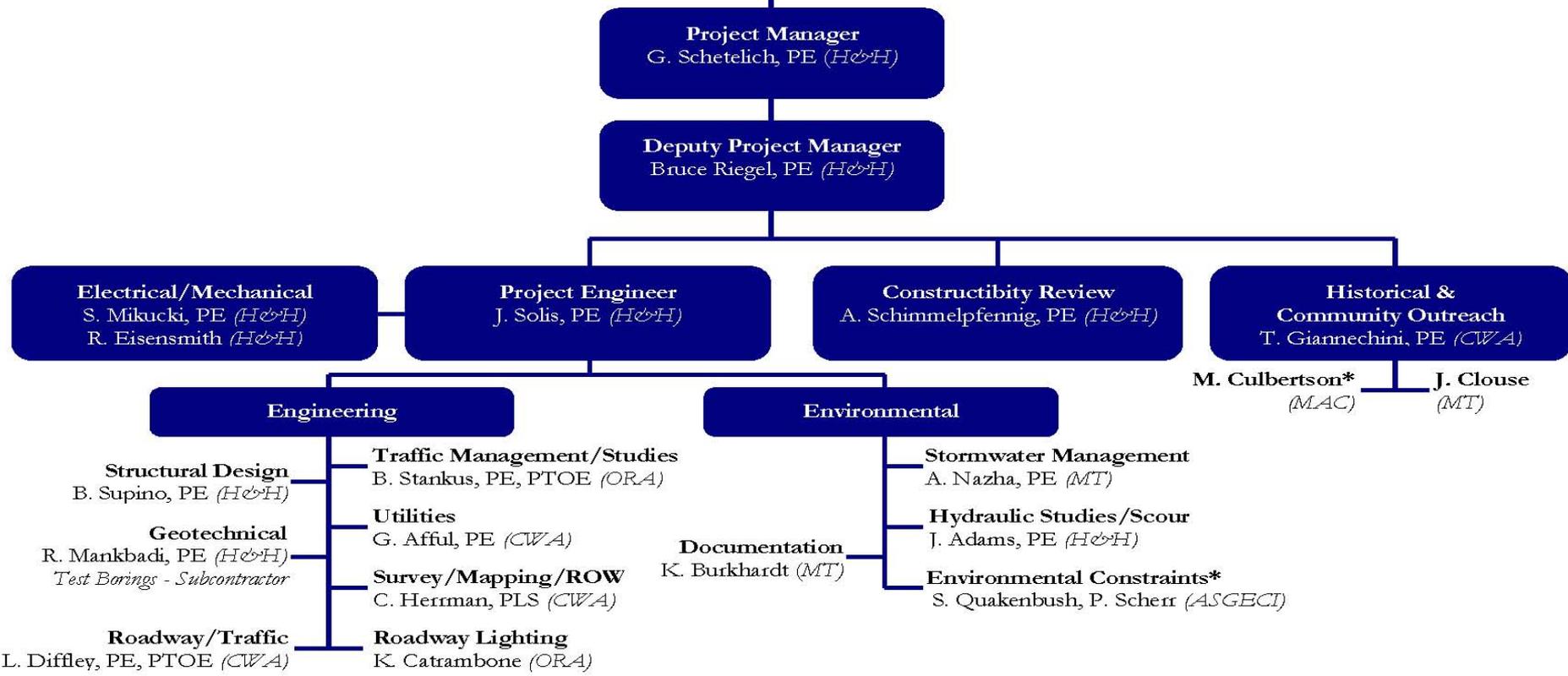
- 18 month completion schedule
- Major Milestones
 1. Project Purpose and Need – May 2012
 2. Development of Conceptual Alternatives – July 2012
 3. Select Preliminary Preferred Alternative – November 2012
 4. Submit Draft Concept Development Report – February 2013
 5. Completion of Concept Development Phase – April 2013

Community Involvement

- Community Involvement Schedule
 1. Stakeholders Meeting No.1 – February 15, 2012
 2. Public Information Center Meeting: Purpose & Need – February 27, 2012
 3. Stakeholders Meeting No.2: Input on Alternatives – May 2012
 4. Local Officials Meeting – September 2012
 5. Public Information Center Meetings: Input on Alternatives & Selection of Preliminary Preferred Alternatives – October 2012
 6. Local Officials Briefing – April 2013
- Comments from February 15, 2012 Stakeholders Meeting

Organization Chart

LOCAL CONCEPT DEVELOPMENT STUDY FOR CONTRACT A MONMOUTH COUNTY BRIDGE S-32 AND MONMOUTH COUNTY ROUTE 537



Project Contact Information

- Jon Moren, Monmouth County Project Manager, (732) 308-2963
- Monmouth County Web site address:
 - visitmonmouth.com
 - Click “Departments”
 - Click “Engineering”
 - Click “Bridge & Road Projects”
- Note: This Power Point Presentation will be posted on the Monmouth County website.
- Written comments towards Project Purpose & Need will be received until Friday, March 30, 2012.

Questions & Comments