



MONMOUTH COUNTY

Local Concept Development Study for Monmouth County Bridge S-32 on Rumson Road (CR520) over the Shrewsbury River Borough of Rumson and Borough of Sea Bright, Monmouth County, NJ

PROJECT INFORMATION

Monmouth County is conducting a study for major rehabilitation or replacement of the existing Bridge S-32 on Rumson Road over the Shrewsbury River to improve its structural deficiencies and to maintain a critical transportation connection between the Boroughs of Sea Bright and Rumson as well as a flood evacuation route for the community of Sea Bright. Due to its age, the bridge has deteriorated over time and routine maintenance can no longer address the deficiencies.

The Project Background

The existing bridge is in serious condition. Several factors contribute to this assessment:

Load Capacity: The non-redundant design is fracture critical and existing components are overstressed under modern design loads. The bridge will soon need to be load posted.

Condition: The superstructure is in poor physical condition including moderate to severe corrosion of members, steel section losses, and section loss to rivet heads. The substructure is in generally fair condition but has a high potential vulnerability to scour. Most of the bridge electrical equipment is original and is nearing the end of its serviceable life.

Highway Safety: Parapets and railings do not meet current crash standards. Approach guide rails and bridge end treatments do not meet current design standards.

Public Safety: There is no intercommunication system for local communication, fire alarm system, aircraft warning lights or lighting protection for the control and gate houses.

Seismic: The bridge is susceptible to seismic forces and does not meet current seismic design standards.

The Proposed Study

The current phase of this project is Concept Development (CD). During this phase a well defined and well justified Purpose and Need Statement will be developed focusing on the need to improve safety and maintain the current crossing over the Shrewsbury River. The CD Phase elements also include data collection; coordination with the North Jersey Transportation Planning Authority, New Jersey Department of Transportation, Federal Highway Administration, local stakeholders, and permitting agencies; the development of a reasonable number of sensible and practical conceptual alternatives; the development of a Preliminary Preferred Alternative, and to investigate all aspects of the project. These aspects will include environmental, right of way, access, utilities, design, community involvement, constructability, and cost.



The primary tasks of stakeholders are to assist in the development of the Project Purpose and Need Statement, assist in the development of conceptual alternatives, identify possible fatal flaws, and to assist in the selection of the Preliminary Preferred Alternative (PPA) based on the Project Purpose and Need.

Concept Development Project Schedule (Major Milestones)

Develop Project Purpose and Need Statement	May 2012
Development of Conceptual Alternatives	July 2012
Selection of Preliminary Preferred Alternative	November 2012
Submission of Draft Concept Development Report	February 2013
Completion of Concept Development Phase	April 2013

Anticipated Community Involvement Schedule

Public Information Center for Purpose and Need Statement	February 2012
Obtain Stakeholder Input for Developed Alternatives	May/June 2012
Local Officials Meeting	September 2012
Public Information Center	October 2012
Local Officials Meeting	April 2013

Resolutions of Support for the Preliminary Preferred Alternative will be requested from both the Borough of Rumson and the Borough of Sea Bright prior to the completion of the Concept Development Report.

Contact Information

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