

# Conceptual Alternatives Development

## Designing to Meet Project Purpose and Need

### Rail Connectivity

- Must maintain rail connectivity along the NEC (during construction and operations).
- Must provide sufficient capacity.

### Navigational Requirements

- Must maintain navigation along the Susquehanna River (during construction and operations).

### Logical Termini

- Must have rational end points and consider existing infrastructure.
- USDOT grant defines project limits—NEC from MP 57.3 in Perryville to MP 63.5 in Havre de Grace.

### Feasibility and Constructibility

- Must be feasible and practicable from a construction and engineering perspective.

### Optimize Infrastructure

- Optimize existing infrastructure and accommodate planned infrastructure.