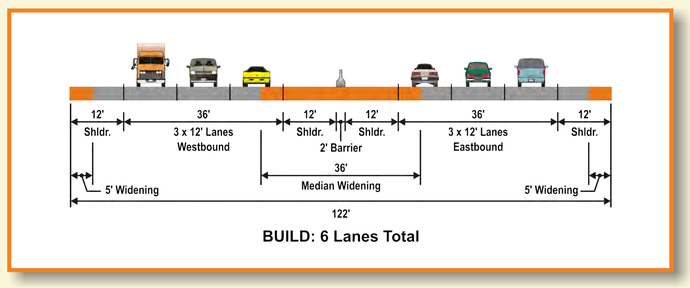
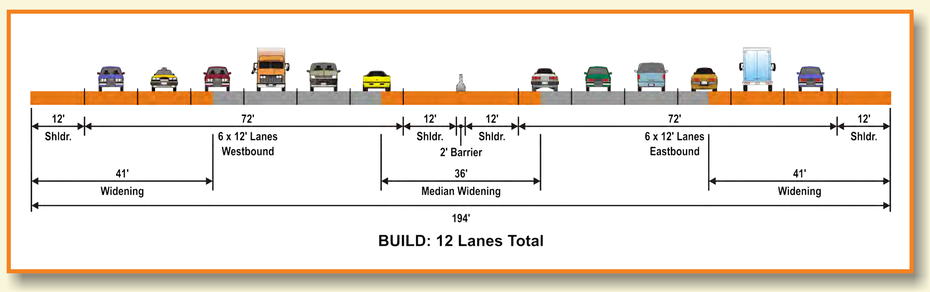
I-64 Hampton Roads Bridge Tunnel Environmental Impact Statement

HRBT
Hampton Roads Bridge Tunnel EIS

Alternatives Proposed for Elimination

Alternative	Description	Screening Analysis
Build-6 Option Includes a total of 6 lanes along Study Corridor 	■ Adds no travel lanes to I-64 in Hampton ■ Adds one travel lane each direction to the HRBT ■ Adds one travel lane in each direction to I-64 in Norfolk	■ Would not provide enough additional capacity to reduce congestion ■ Partially addresses roadway deficiencies
Build-12 Option Includes a total of 12 lanes along Study Corridor 	■ Adds three travel lanes each direction to I-64 in Hampton ■ Adds four travel lanes each direction to the HRBT ■ Adds four travel lanes each direction to I-64 in Norfolk	■ Provides excessive capacity with minimal added benefit compared to Build-10 Alternative Concept ■ Addresses roadway deficiencies
Dedicated Transit Option Provides a dedicated transit lane (rail or bus) along Study Corridor  	■ One lane in each direction would be added to I-64 and HRBT ■ Lanes would be exclusively used for transit	■ Would not provide enough additional capacity to reduce congestion ■ Would not address roadway deficiencies
Ferry Option Provides a vehicle / passenger ferry to cross Hampton Roads 	■ Ferry terminals would be located in Hampton and Norfolk near existing HRBT	■ Would not provide sufficient capacity to address congestion ■ Would not address roadway deficiencies

High Bridge Option (Suspension or Cable-Stayed)

Provides a bridge over the Hampton Roads channel

Suspension Bridge

Cable-Stayed Bridge

- **Suspension Bridge**
  - Vertical clearance: 250 feet
  - Primary span length: 6,400 feet
  - Tower height: 600-900 feet
- **Cable-Stayed Bridge**
  - Vertical clearance: 250 feet
  - Primary span length: 3,500 feet (Maximum)
  - Tower height: 600-900 feet

Stakeholder Concerns

- Increased driver apprehension
- Limits to shipping channel width
- Increased security concerns / vulnerability
- Encroachment on restricted air space
- Probable impacts to existing hydrodynamic system within channel