

Design-Build Projects: Informational Meeting

I-695 at Wilkens Ave. Inner Loop & at
Frederick Rd. Interchange
Reconstruction

I-70 Phase 2D from East of Patrick St.
to West of South St.

Design-Build Projects

Funding and award of these contracts will be conditioned upon the availability of federal funds and the ability of these contracts to meet any special requirements of the final authorization bill. If either of these conditions cannot be met, the projects may be cancelled or delayed.

Design-Build Projects

I-695 at Wilkens Ave. Inner Loop & at
Frederick Rd. Interchange
Reconstruction

**The scope of this project may be modified
based upon the availability of funds**

Project Classification "J" - \$50,000,001 -
\$75,000,000

I-695 at Wilkens Ave. and Frederick Rd.

The project consists of the following major elements of work:

- replacement of the I-695 Inner Loop bridge over Wilkens Ave.
- replacement of the Frederick Road bridge over I-695 including aesthetic enhancements
- construction of retaining walls
- excavation
- pavement rehabilitation and construction
- traffic barrier
- curb and gutter, sidewalks, and sidewalk ramps
- maintenance of traffic
- stormwater management / erosion & sediment control
- signing, lighting, pavement marking, signalization
- utility relocations
- landscaping

I-695 at Wilkens Ave. Inner Loop

Replacement of the I-695 Inner Loop bridge over Wilkens Ave.

➤ Existing structure

- ❖ Four Span Steel Girder Bridge
- ❖ Width – 71.5 ft width including a 4 ft. median shoulder, 4 – 12 ft. lanes, and a 14 ft. deceleration/exit lane.

➤ Proposed Structure

- ❖ Two Span Continuous Composite Steel Plate Girder Bridge – 230 ft. total
- ❖ Width – 115 ft width to accommodate 2 future travel lanes on I-695 along with full shoulders.
- ❖ Proposed structure plans have been designed to a TS&L level. The Design-Builder shall complete the final design.

I-695 at Wilkens Ave. Inner Loop

- Aesthetics to match the Outer Loop Bridge over Wilkens Ave.

Pier



Abutments



I-695 at Frederick Road

Replacement of the Frederick Road bridge over I-695

- Existing structure
 - ❖ Four Span Steel Girder Bridge
 - ❖ Width – 65 ft. width including 2 – 17 ft. through lanes, a 10 ft. center turn lane, and 6.5 ft. sidewalks.
 - ❖ Includes a 12” diameter bridge mounted gas main, 16” diameter bridge mounted water main, and fiber optic bridge mounted duct bank.

- Proposed Structure
 - ❖ Two Span Continuous Composite Steel Plate Girder Bridge – 206’ ft. total
 - ❖ Width – 93 ft width to accommodate 2 – 12 ft. through lanes, 4 – 12 ft. left turn lanes, a 4 ft. median, 2 – 4 ft. shoulders, and 2 – 5’-8” sidewalks.
 - ❖ 12” gas main and 16” water main to be relocated as part of construction. Fiber optics will be relocated with directional drill.
 - ❖ Proposed structure plans have been designed to a TS&L level. The Design-Builder shall complete the final design.

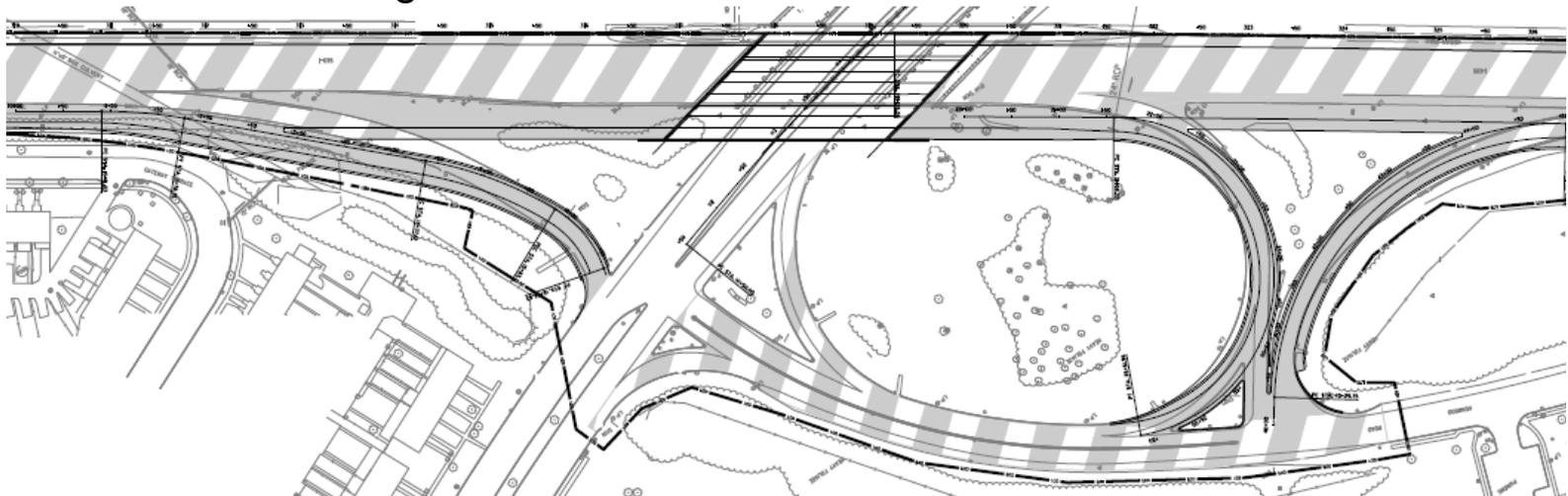
I-695 at Frederick Road

- Aesthetics to include brick architectural treatment, ornamental lighting, and ornamental fencing similar to elements at Reisterstown Rd., York Rd., and Dulaney Valley Rd. bridges over I-695



I-695 at Wilkens Ave. Inner Loop

- Rehabilitation of existing pavement on the IL from Leeds Ave. to Edmondson Ave. and on the OL from south of Frederick Rd. to Edmondson Ave.
- Roadway widening for approximately 1 mile and construction of 3 retaining walls.
- Relocation of the IL ramp to EB Wilkens Ave.
- Reconfiguration of existing ramps to tie into new bridge and pavement
- Stormwater management

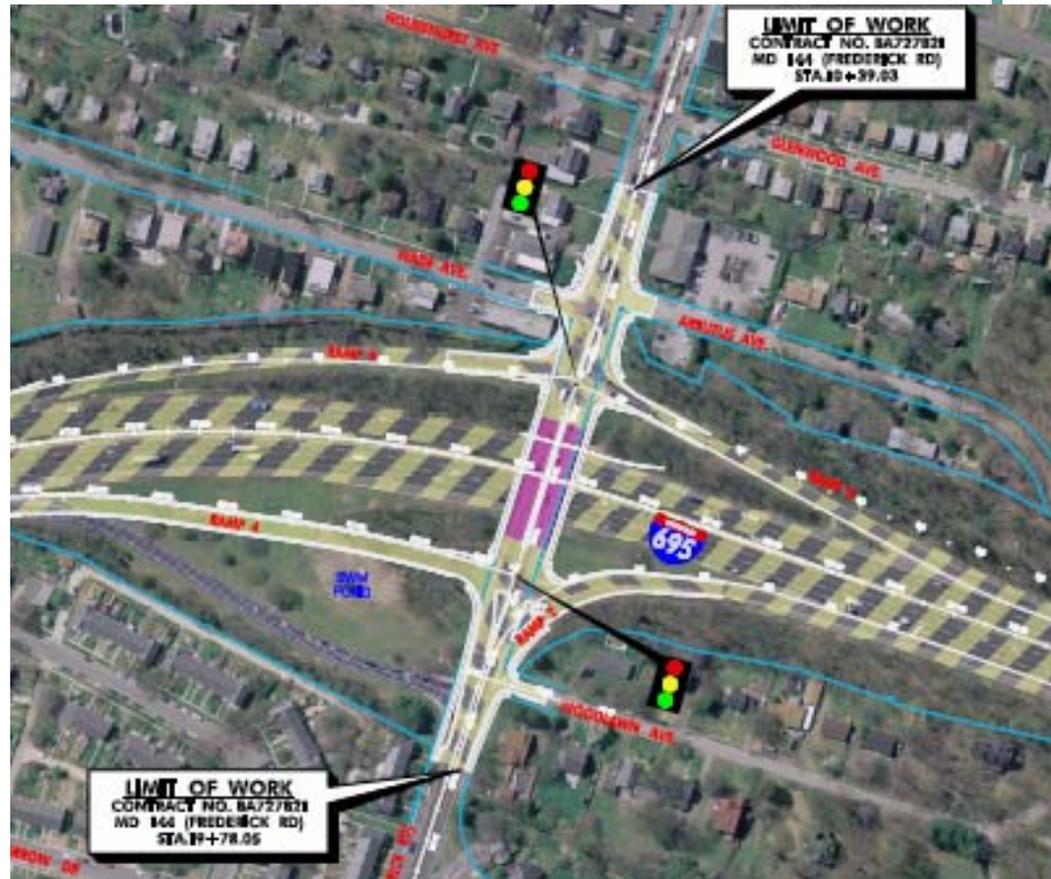


Maryland Department of Transportation
State Highway Administration

Office of Highway Development

I-695 at Frederick Rd.

- Relocation of ramp from IL of I-695
- Approach roadway widening on Frederick Road.
- Reconstruction of curb and gutter, sidewalk, and curb ramps.
- Stamped Stone pattern PCC medians and islands.
- Reconstruction of 2 traffic signals
- Design and relocation of water main
- Third Party utility relocation coordination
- Stormwater Management



I-695 at Wilkens Ave. and Frederick Rd.

PERMITS NEEDED:

- ❖ Stormwater Management Permit (from MDE)
- ❖ Erosion and Sediment Control Permit (from MDE)
- ❖ NPDES Notice of Intent (from MDE)
- ❖ Reforestation Site Review Permit (from DNR)

I-695 at Wilkens Ave. and Frederick Rd.

Questions?

Design-Build Projects

I-70 Phase 2D - From East of MD 144
To West of South Street

I-70 Phase 2D

From E. of MD 144 to W. of South St.

CLASSIFICATION: “J” – \$50,000,001 - \$75,000,000

LIMITS:

- ❖ **East of Patrick Street overpass**
- ❖ **West of South Street**

INVOLVES:

- ❖ **Replacement and Widening of Existing I-70 Bridges**
- ❖ **Raising profile of I-70**
- ❖ **Adding 1 through lane along EB and WB I-70**
- ❖ **Adding 1 auxiliary lane along EB and WB I-70**
- ❖ **Ramp Reconstruction**

I-70 Phase 2D

From E. of MD 144 to W. of South St.

The project consists of the following major elements of work:

- Bridge work
- Roadway work
- Retaining walls
- Paving – Base widening and resurfacing
- Transportation Management Plan
- SWM and E&S
- Signing, lighting, pavement marking, signalization
- Utility relocations
- Grouting / Sinkhole Remediation
- Railroad Crossing

I-70 Phase 2D

From E. of MD 144 to W. of South St.

I-70 Bridges over South Street and MTA Railroad

- Design 100% complete – Design/Bid/Build Element
No Alternates allowed.

- Existing structure
 - ❖ 2 - Four Simple Span Steel Beam Bridges
 - ❖ Width = 36'
 - ❖ Length = 165'

- Proposed Structure
 - ❖ 2 - Two Span Continuous Steel Girder Bridges
 - ❖ Width = 72'
 - ❖ Length = 260'

I-70 Phase 2D

From E. of MD 144 to W. of South St.

2 Retaining Walls along I-70

Retaining Wall along I-70 Eastbound at Hoke/Grove House

- Design Geometrics for 550' wall are complete
- Contractor shall choose an MSE wall supplier from the approved list in the contract documents.
- Wall panels shall have an ashlar stone finish to match the existing architectural treatments on the adjacent contract.

Retaining Wall along I-70 Westbound adjacent to Monocacy Blvd.

- 150' wall to retain I-70 fill

I-70 Phase 2D

From E. of MD 144 to W. of South St.

100% DESIGNED
PLANS FOR:

- ❖ Bridges
- ❖ Pond Liner
- ❖ Grouting / Sinkhole Remediation

I-70 Phase 2D

From E. of MD 144 to W. of South St.

ALTERNATE BID CONTRACT – 2 ALTS

ALTERNATE A:

- ❖ Reconstruction of Eastbound I-70 ramps at current ramp terminals

ALTERNATE B:

- ❖ Relocation of Eastbound I-70 ramps approx 200 ft south of current ramp terminals
- ❖ Relocation of railroad crossing at La Farge Quarry

MUST SUBMIT PRICES FOR BOTH ALTERNATES

I-70 Phase 2D

From E. of MD 144 to W. of South St.

PERMITS NEEDED:

- ❖ Erosion and Sediment Control Permit
- ❖ Stormwater Management Permit
- ❖ Airport Certification
- ❖ Tree / Reforestation Permit
- ❖ TCP / MOT Approvals

OTHER COORDINATION:

- ❖ Bridge over railroad
- ❖ Railroad grade crossing – Alternate B

I-70 Phase 2D

From E. of MD 144 to W. of South St.

UTILITY WORK:

❖ IN-CONTRACT

❖ Water

❖ Sewer

❖ Gas

❖ THIRD Party

❖ Telephone / Communication

❖ Electric

❖ Cable

Procurement Process

➤ Statement of Qualifications (SOQ)

- ❖ Cover Letter
- ❖ Design-Build Team Qualifications
 - ❖ Design-Build Project Manager, Design Project Manager, Construction Project Manager, and Environmental Compliance Manager

❖ **Must have Design-Build Experience**

- ❖ Designer Information – Key Staff Experience Summary and Firm Experience on comparable projects.
- ❖ Builder Information – Key Staff Experience Summary and Firm Experience on comparable projects.

Procurement Process

➤ Schedule

- ❖ Anticipated Advertisement – April 7, 2009
- ❖ Last day to submit questions on SOQ – April 10, 2009
- ❖ Answers posted to questions on SOQ – April 14, 2009
- ❖ Submit Statement of Qualifications – April 21, 2009
- ❖ Reduced Candidates List – April 28, 2009
- ❖ Last Day to Submit Questions on project – June 15, 2009
- ❖ Bid Opening – June 25, 2009

➤ Price Bids

Procurement Information

- Conflict of Interest
- Performance Based Specifications
- No pre-SOQ or pre-bid meeting
- Low Bid Award
- Electronic Advertisement
 - SHA Website
 - Use of ProjectWise
 - Project Specific Email Address
- Stipend

Design-Build Projects

Questions?