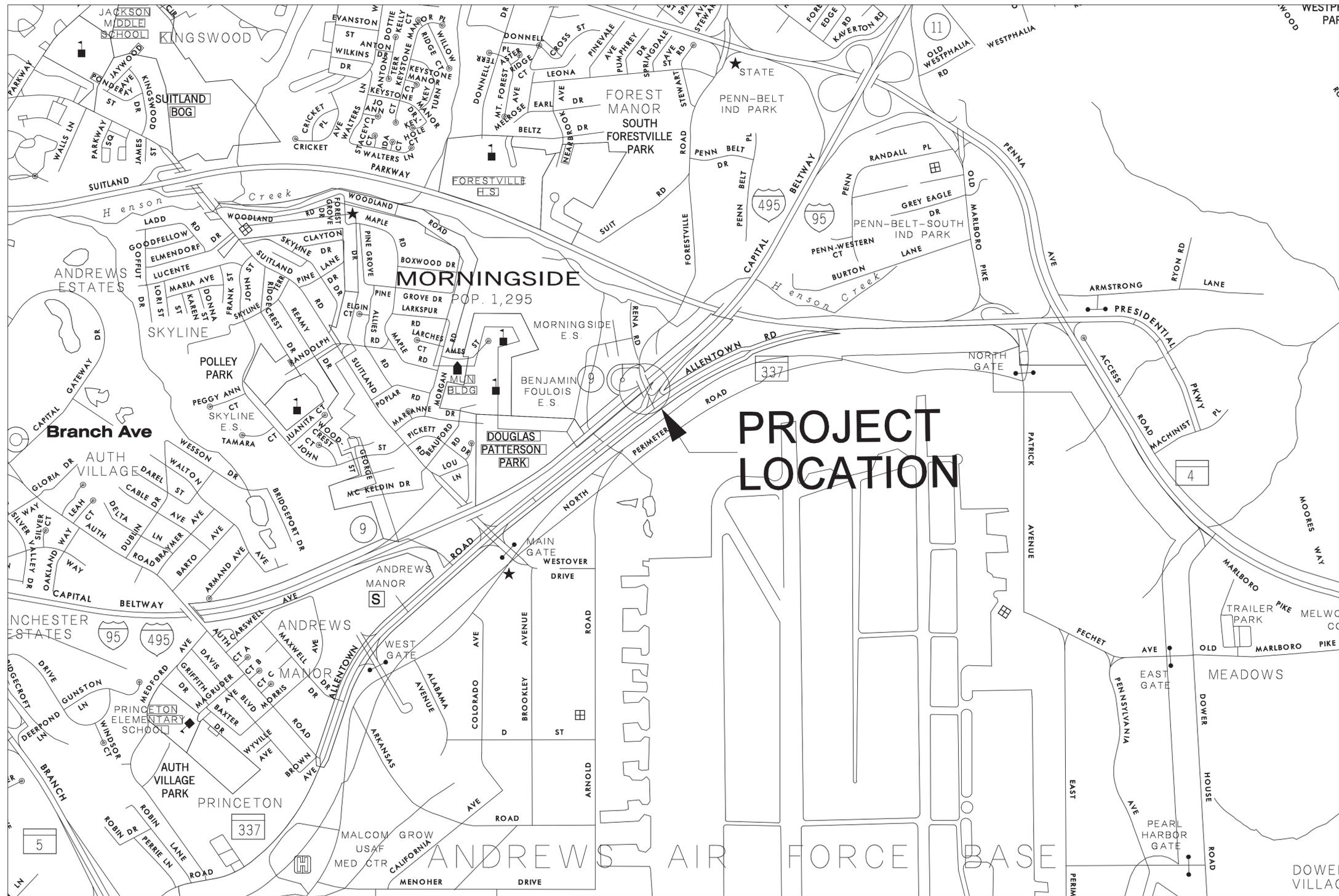


Replacement of Deck on Forestville Road Bridge over I-95/I-495



**PROJECT
LOCATION**

Project Location



Replacement of Deck on Forestville Road Bridge over I-95/I-495

Questions & Answers

Why is the work necessary?

This project is a part of SHA's bridge system preservation. The Forestville Road Bridge, originally constructed in 1964, is in need of repairs due to the condition of the concrete bridge deck. The proposed work will include removal and replacement of the deteriorated concrete deck, sidewalk and safety fence. This work will extend the service life of the bridge an additional 30 to 50 years. The bridge is structurally safe, but the current repair work needs to be addressed. The rest of the structure is in good condition.

Will traffic be impacted?

Yes, traffic will be impacted during construction. The proposed concept for maintaining traffic will close one lane across the bridge for the duration of the construction. The other lane will be open for southbound traffic only. Northbound traffic will be detoured to MD 4, Pennsylvania Ave.

Have any other alternatives been considered?

Several options to rehabilitate this bridge while minimizing impacts to the public have been considered. A complete closure of the roadway and detouring traffic to adjacent roadways was evaluated. This option would allow the project to be completed in the shortest time period (6 months). However, the detour routes would not have the capacity to handle the additional volume of traffic, which would result in long traffic delays.

Another option that was evaluated was to maintain one lane of traffic across the bridge in both direction by using a temporary traffic signal at each end of the bridge to alternate northbound and southbound traffic. This option would cause long delays at the signals.

Maintaining both lanes of traffic during construction is not possible because the bridge is too narrow and would create a dangerous condition for construction workers and the traveling public.

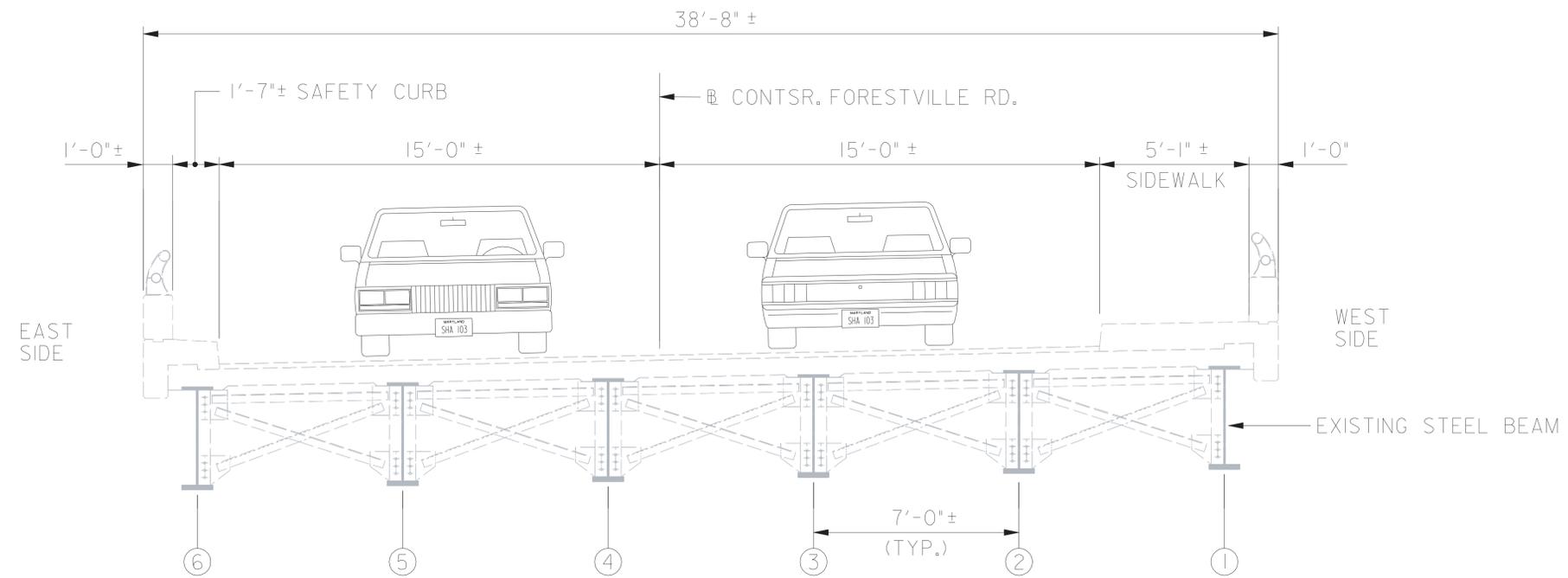
The preferred option of maintaining traffic in the southbound direction allows traffic to utilize the roadway with only minor delays. The bridge work will be done in two stages.

When will work be completed?

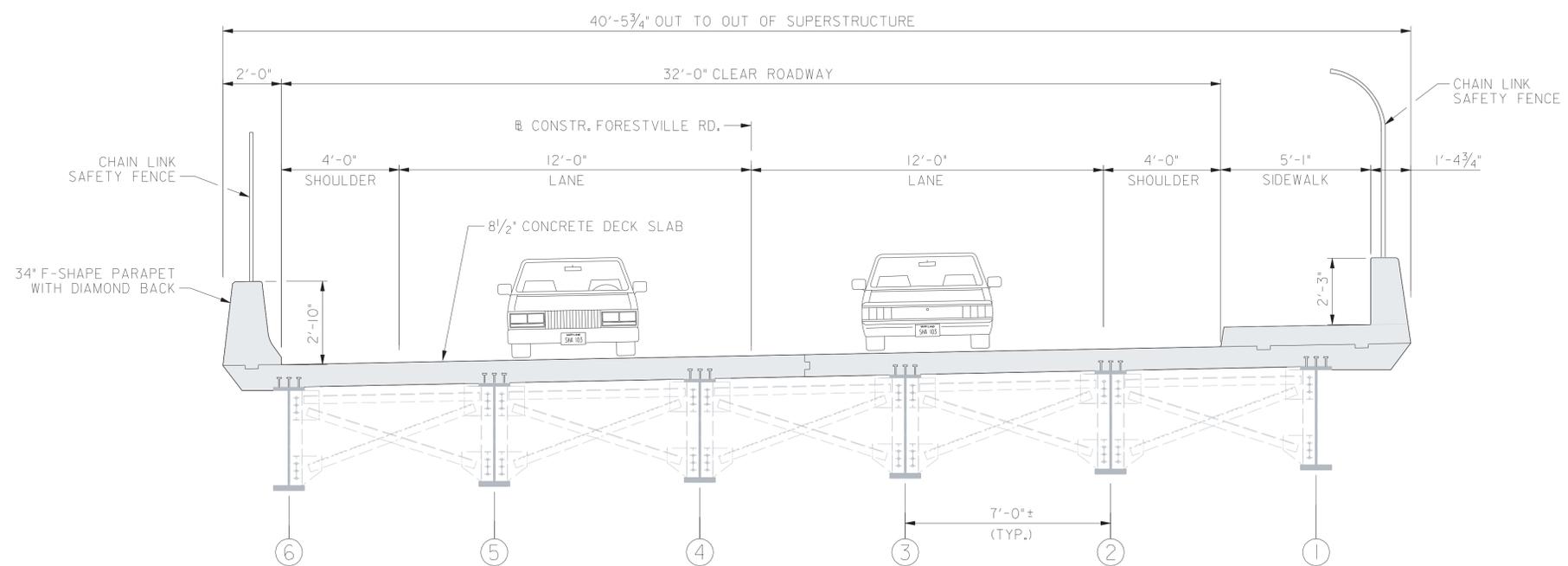
Work is expected to begin the Spring of 2010. Based on the scope of the work and experience on similar projects, it is anticipated that the project will take approximately 8 months to complete.



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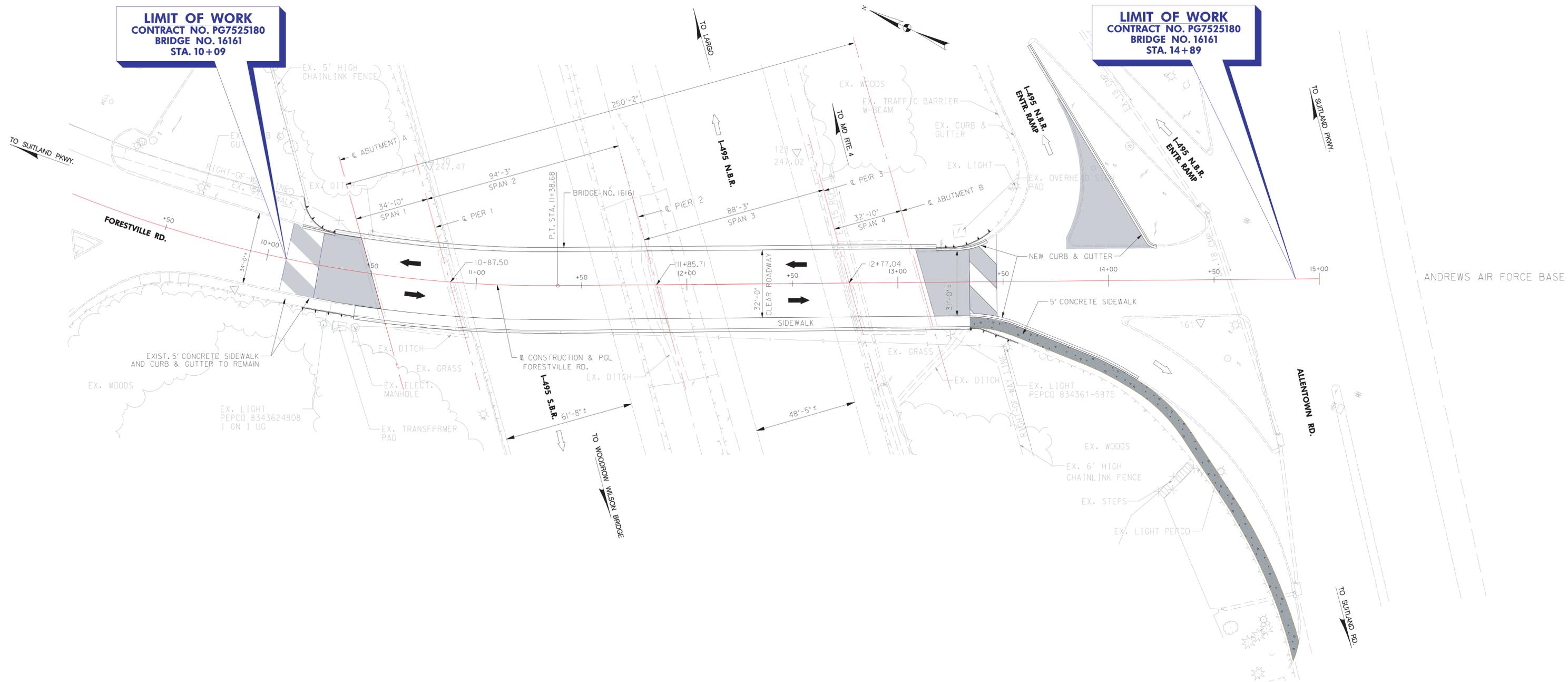
Bridge Typical Section - Existing



Bridge Typical Section - Proposed



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Limits of Proposed Project



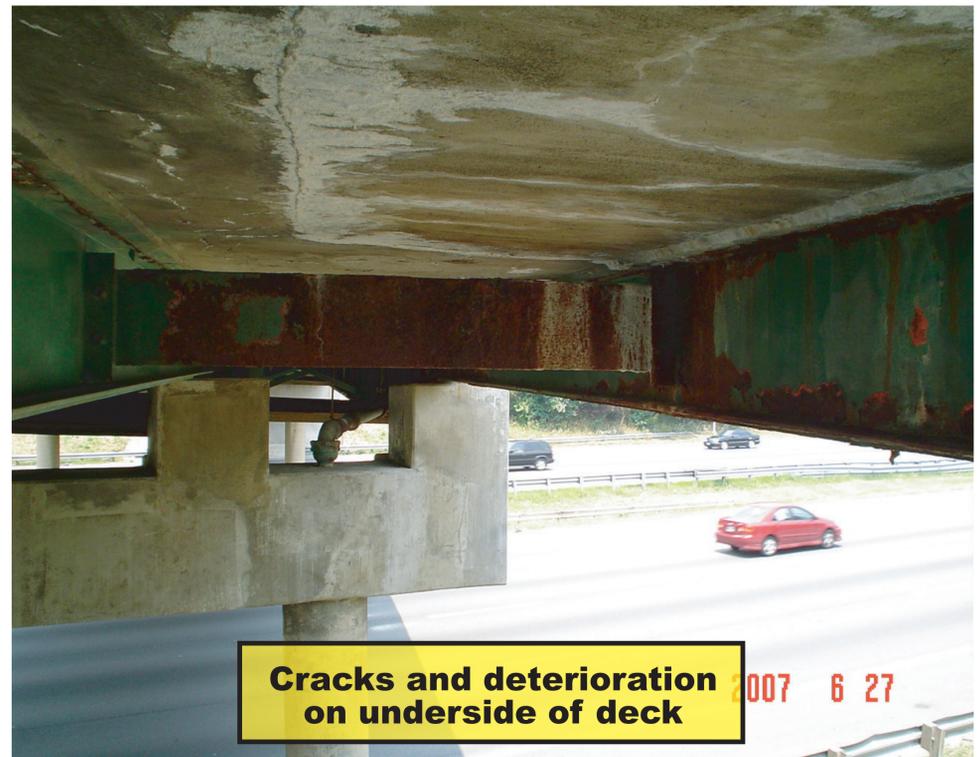
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Bridge typical section



Bridge Elevation



Cracks and deterioration on underside of deck



Deterioration of deck and concrete diaphragm



Debris shields along underside of deck



Deteriorated Sidewalk

