

 Office of Structures <i>Guidelines and Procedures</i> <i>Memorandum</i>	DESIGN
	Number: D-79-19(4)
	Date: 03-16-2018
Design for Future Deck Replacement	Approval: 

In order to address maintenance of traffic during future bridge deck replacements, all substructure units shall be designed to support full live load with portions of the superstructure completely removed. For purposes of design assume deck will be replaced one-half at a time. For example, with hammerhead piers particular attention should be paid to the foundation pressures and the reinforcement requirements between the cap and stem, and the stem and the footer.

Designers shall also consider maintenance of traffic during future deck replacements when establishing the superstructure typical section. A minimum of four (4) stringers should be provided on all bridges so that there will be at least two stringers to support a single lane of traffic when the deck is replaced in half sections.