



Replacement of the West Nursery Road Bridges over MD 295 (Baltimore-Washington Parkway)

May - November 2012

Bridge Facts & Technical Data

Weekend Bridge Replacements Using Self-Propelled Modular Transporters

- Old Bridges:**
- Originally constructed in 1948
 - 300 tons each (approximate)
 - Steel parapets (side walls)
 - Two lanes each direction
 - No shoulders or bicycle lanes
- New Bridges:**
- Constructed in three months
 - Approximately 70 feet long
 - 500 tons each (approximate)
 - Concrete parapets (approximately five times heavier than steel, accounting for the weight difference between the old and new bridges)
 - Two lanes each direction
 - Bicycle-compatible shoulders (Five feet wide)
- SPMTs:**
- Two lines
 - 18 axles per line
 - Maximum speed approximately 3 mph
 - 175 tons (approximate), plus 110 tons for lattice towers, jack stands and transport beams
 - SPMTs delivered and assembled on-site two weeks prior to first bridge move



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Bridge Move Timeline

Bridge Replacements October 26-28 and November 2-4
using Self-Propelled Modular Transporters (SPMTs)

All times are approximate and apply to both weekends. One bridge replacement per weekend.

Friday-Saturday

8:00 pm	MD 295 - left lane closed in both directions
10:00 pm	West Nursery Road - closed at MD 295
10:00 pm	MD 295 - all lanes closed, ramp detour in effect
10:00 pm to 1:00 am	SPMT - move into position
1:00 am to 2:00 am	SPMT - secure and lift existing bridge
2:00 am to 3:00 am	SPMT - remove existing bridge to staging/demolition area
2:00 am to 10:00 pm	Form and pour bearing pads (all day Saturday)
4:00 am to 6:00 am	MD 295 - reopen all lanes

Saturday-Sunday

8:00 pm	MD 295 - left lane closed in both directions
10:00 pm	West Nursery Road - closed at MD 295
10:00 pm	MD 295 - all lanes closed, ramp detour in effect
10:00 pm to 3:00 am	SPMT - move new bridge into position
3:00 am to 5:00 am	SPMT - return to staging area
6:00 am to 8:00 am	MD 295 - reopen all lanes
8:00 am (approximate)	West Nursery Road - reopen at MD 295