



Long Bridge Project Atlantic Gateway Program



Long Bridge Project Limits

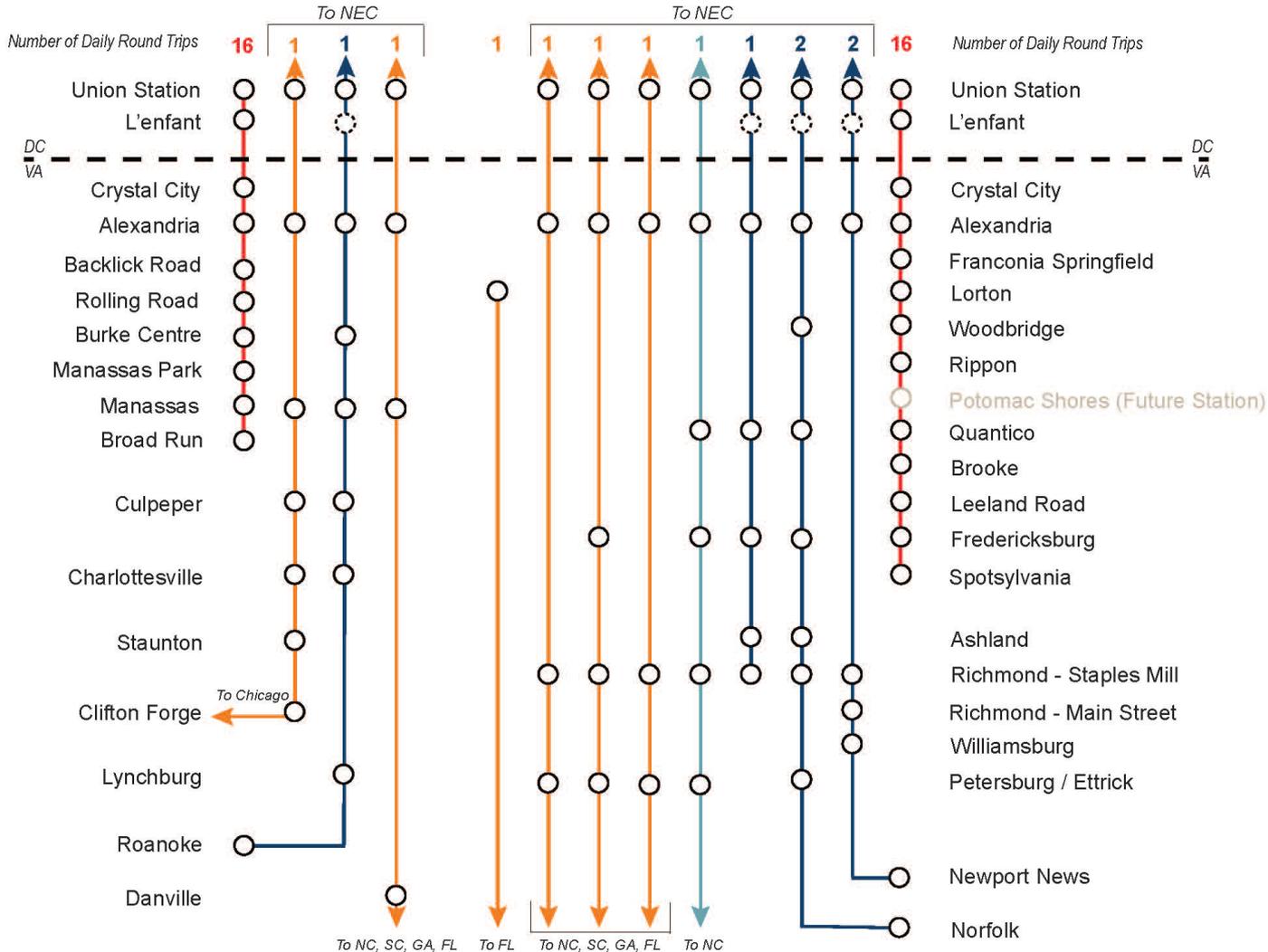


- Original Structure Built in 1808
- Two-track steel through-girder/through-truss railroad bridge constructed in 1904
- Reinforced in 1942 during WWII for heavy loads

- Swing span last opened in 1965
- Only railroad bridge connecting Virginia to DC – next closest crossing is at Harpers Ferry, WV



Long Bridge Rail Traffic



It All Travels over the Long Bridge!



Current Issues

- **Existing Long Bridge bottleneck due to:**
 - 3 tracks on each side, 2 track bridge
 - Speed restrictions in effect on bridge
- **Traffic is split 70/30 between passenger/freight**
- **Bridge is at capacity during AM/PM peak**
- **No rail network redundancy**



Current & Future Train Volumes

Train Operator	Current # of Trains per Day	2040 # of Trains per Day	Percent Increase
VRE	34	92	171%
MARC	0	8	--
Amtrak	24	44	83%
CSXT	18	42	133%
Norfolk Southern	0	6	--
Total	76	192	

On Time Performance		
	Current (Observed)	No Action (2040)
Commuter	91%	25%
Intercity Long Distance	70%	12%
Intercity Regional		7%

Tables from November 2018 DDOT Long Bridge public meeting materials



- **Feasibility Study (2015)**
 - Identified short-term and long-term multimodal opportunities
 - Preliminary development of eight conceptual alternatives
 - Explored multiple bridge designs
- **Pre-NEPA Study (2015-2017)**
 - Long range service plan
 - Initiated EIS process (including draft Purpose and Need)
 - Initiated Section 106 process



- **Environmental Impact Statement (2017-2020)**
 - Concepts screened
 - Alternatives developed
 - Draft EIS released with Preferred Alternative September 5, 2019
 - Complete Section 106 process
 - Combined Final EIS/Record of Decision (ROD) expected mid-2020



Long Bridge Preferred Alternative



- 1 A new two-track bridge over the GWMP
- 2 A new two-track bridge over the Potomac River
- 3 Two new, separate, two-track bridges over I-395
- 4 A new four-track bridge over Ohio Drive SW
- 5 A new four-track bridge over the Washington Channel
- 6 A new four-track bridge over Maine Avenue SW

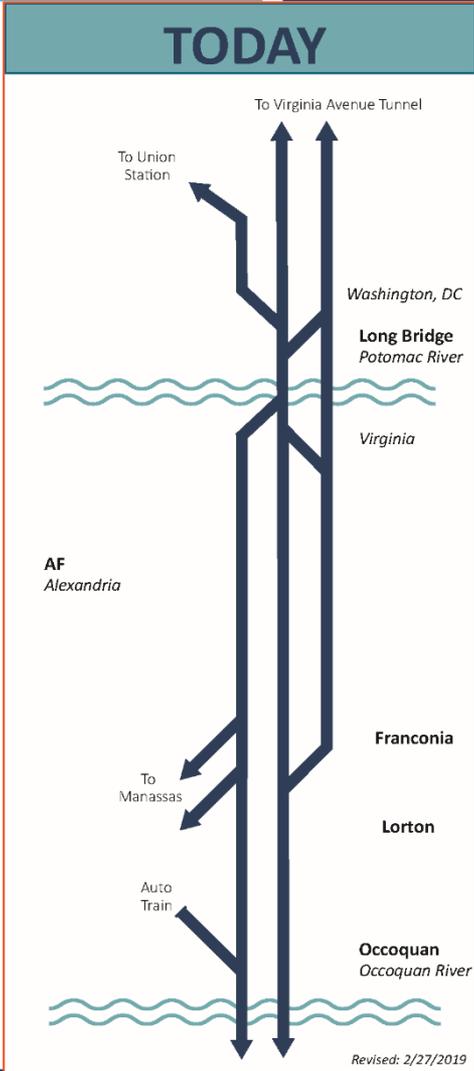


Benefits of Long Bridge

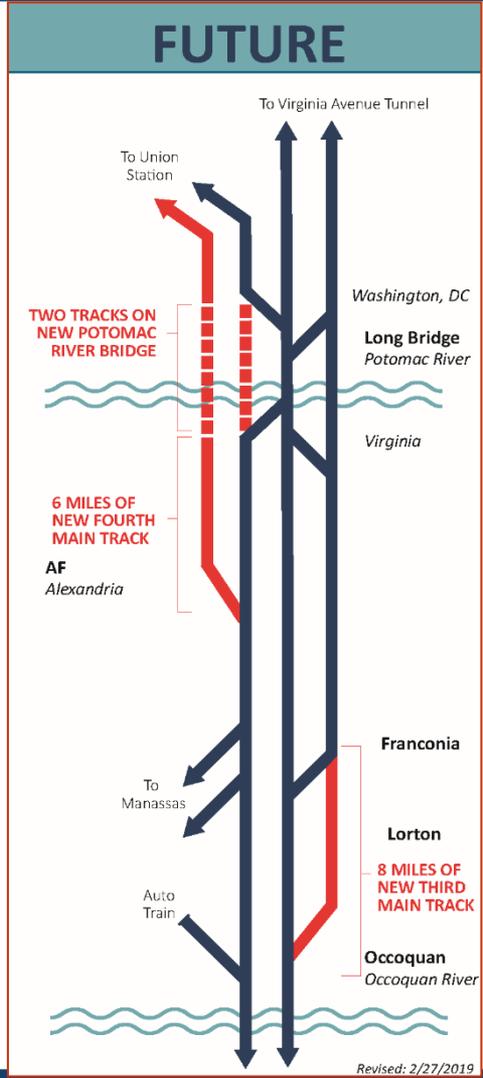
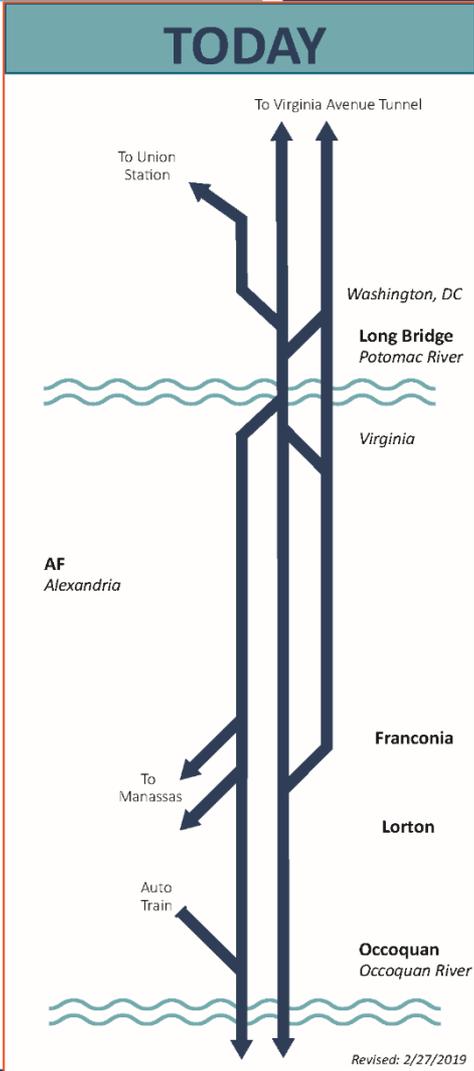
- **Expanded Capacity Enables:**
 - Over 18,000 new freight and passenger train crossings
 - 1 million trucks taken off the roads
 - 5 million cars taken off the roads
 - Safety improved by reducing crashes

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- **Expanded Capacity Enables:**
 - Over 18,000 new freight and passenger train crossings
 - 1 million trucks taken off the roads
 - 5 million cars taken off the roads
 - Safety improved by reducing crashes
 - Over \$6 billion in additional contributions to Washington Region economy from rail commuters
 - \$17 million in annual rail passenger time savings in 2040 due to on time performance improvements
 - Direct, accessible bicycle/pedestrian connection between Arlington and DC



Long Bridge: Part of Virginia's Atlantic Gateway Solution



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Long Bridge Preliminary Engineering





Long Bridge

THANK YOU!