New Castle-Rye 16127
Preliminary Design

New Hampshire DOT
Department of Transportation

New Castle-Rye Bridge
Public Advisory Committee Meeting
April 24, 2014

HDR | Hoyle, Tanner & Associates, Inc.

Meeting Agenda

- Welcome & introductions
- Today's presentation – progress update and discussion of fixed bridge
  - Project Update
  - Update on Historic Resources Review
  - Review of Fixed Bridge
  - Comparison of Fixed and Bascule Bridge
- Moving Forward

Project Update

- Met with SHPO February 6 to discuss project
  - SHPO required input from Advisory Council on Historic Preservation in order to move forward with agreements to replace bridge
  - Received direction from Advisory Council on Historic Preservation March 3
  - Next steps in Historic Review Process is to resubmit Effects Memo, propose and negotiate historic mitigation and draft Memorandum of Agreement.
- Early March – began review of fixed option
- Met with Coast Guard April 22

Historic Resources

- Discussed potential mitigation ideas with SHPO on February 6
  - New Hampshire Historic Property Documentation
  - Portable display panels for the Town of New Castle
  - Interpretive panel to be located at the bump out on bridge
  - Investigating other possible options
- Effects Memo and Memorandum of Agreement to be submitted after review of Fixed Bridge Alternative is complete.

Review of Fixed Bridge

- Fixed bridge at existing grade not initially considered viable alternative due to anticipated impacts
  - Dredging, USCG usage, future growth of Marina
  - Raising bridge not viable – small increases in elevation would have dramatic impacts
  - USACE maintained channel
- Concerns raised about potential cost savings with fixed bridge instead of bascule
- NHDOT has decided to investigate this Alternative

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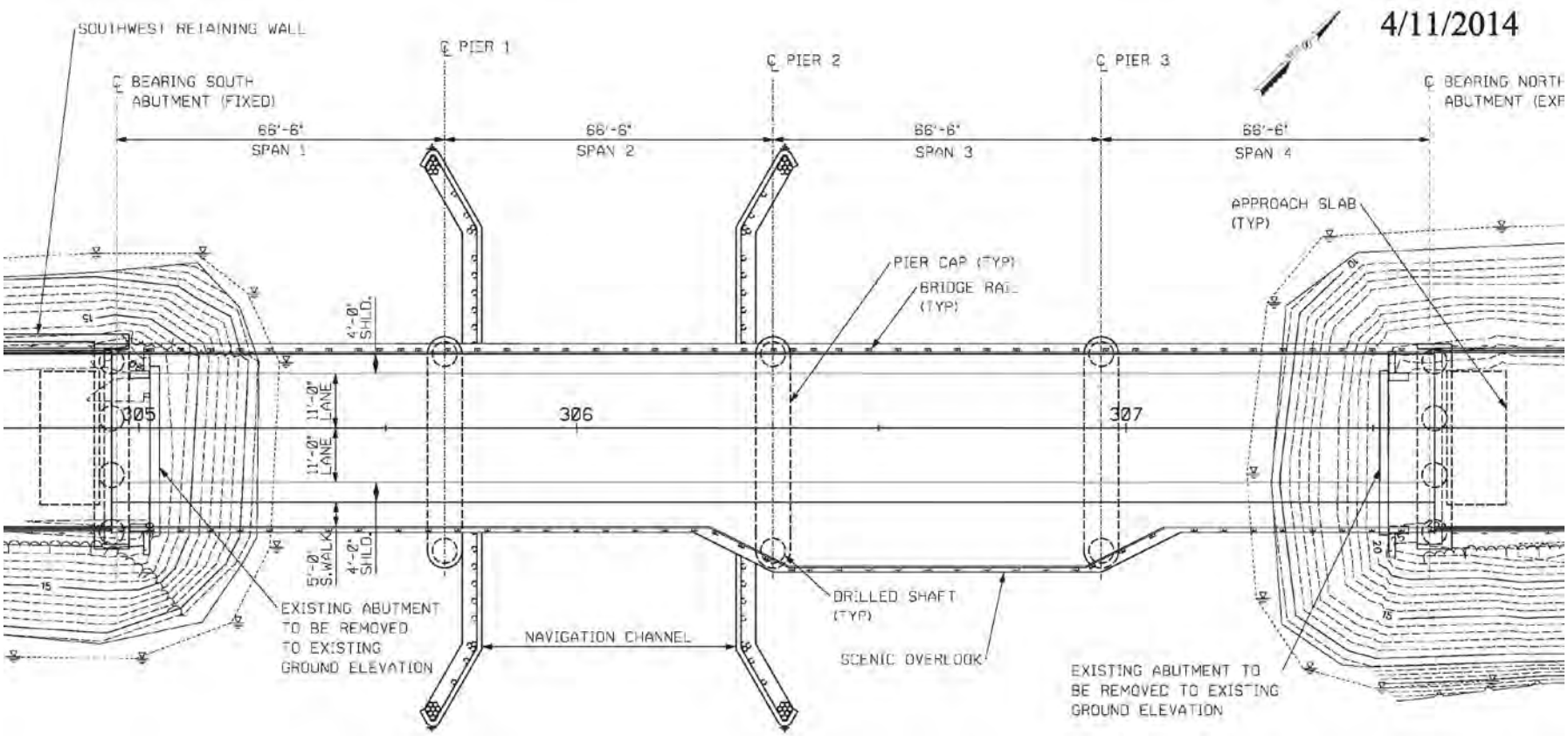
Review of Fixed Bridge



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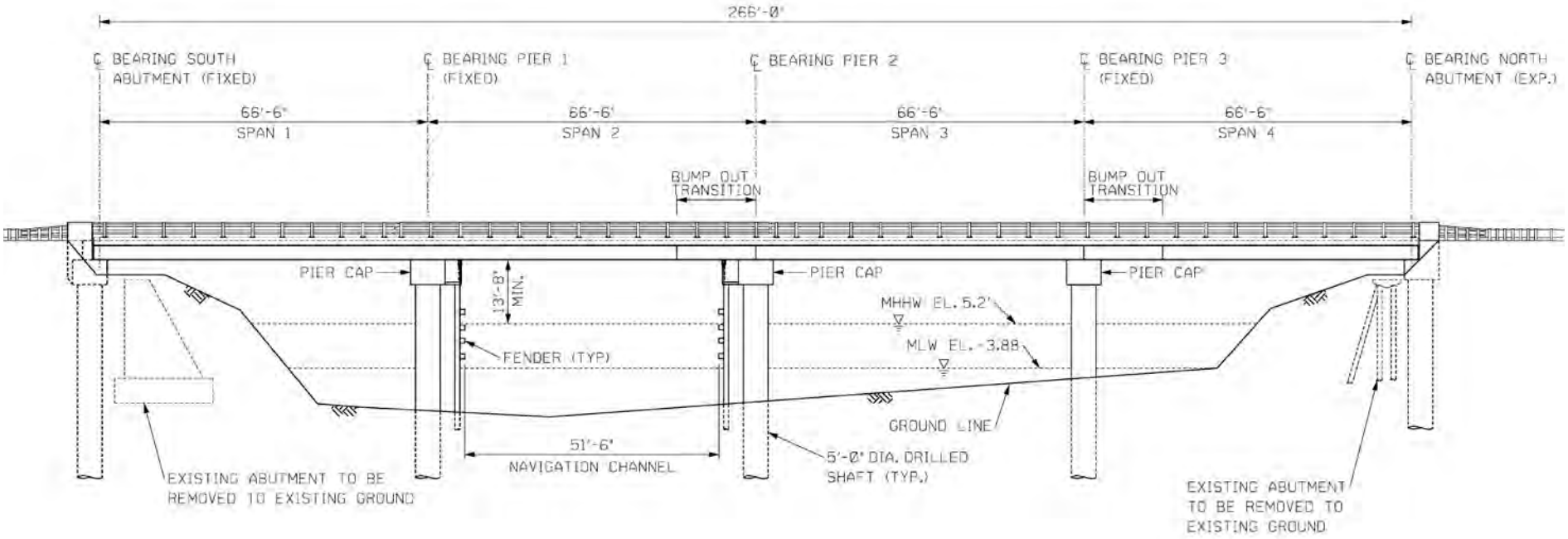

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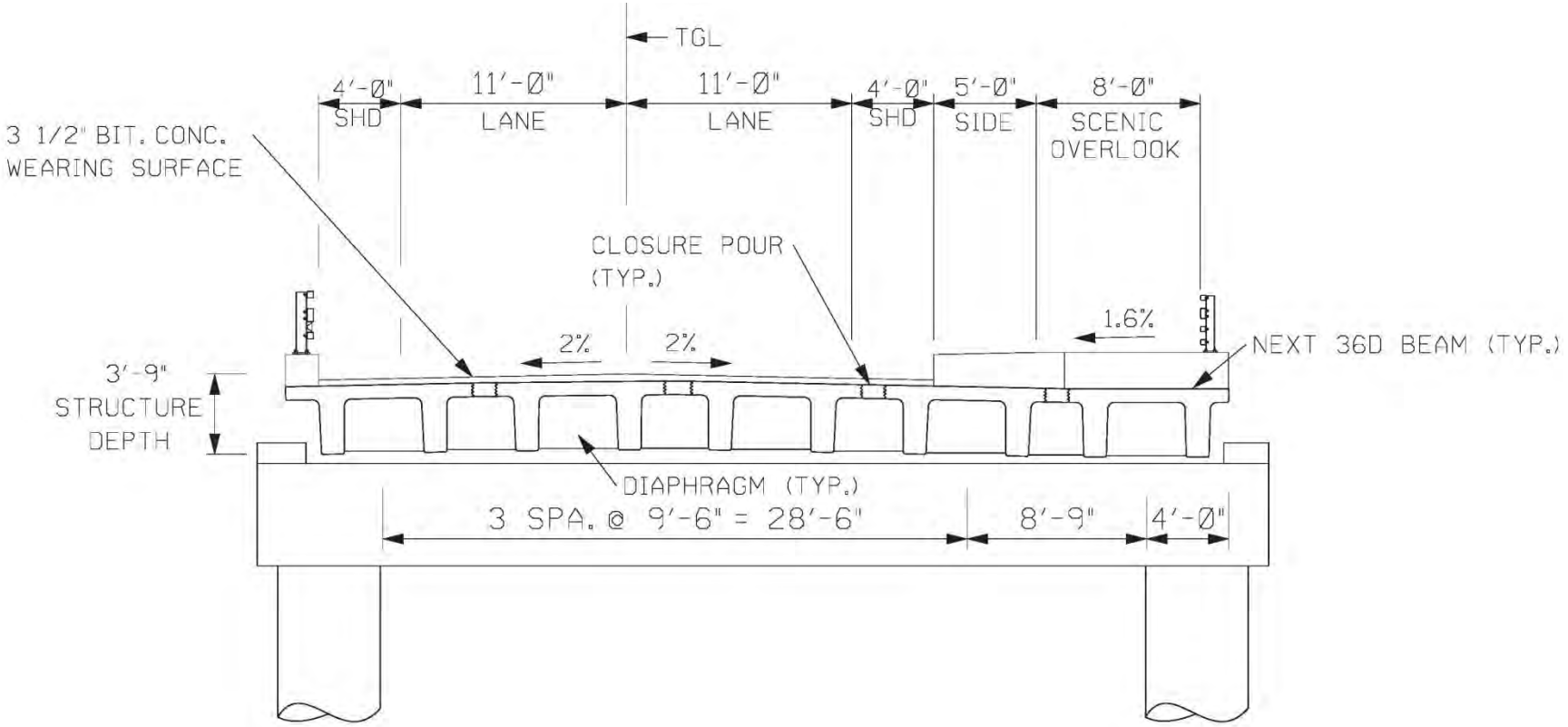
Review of Fixed Bridge



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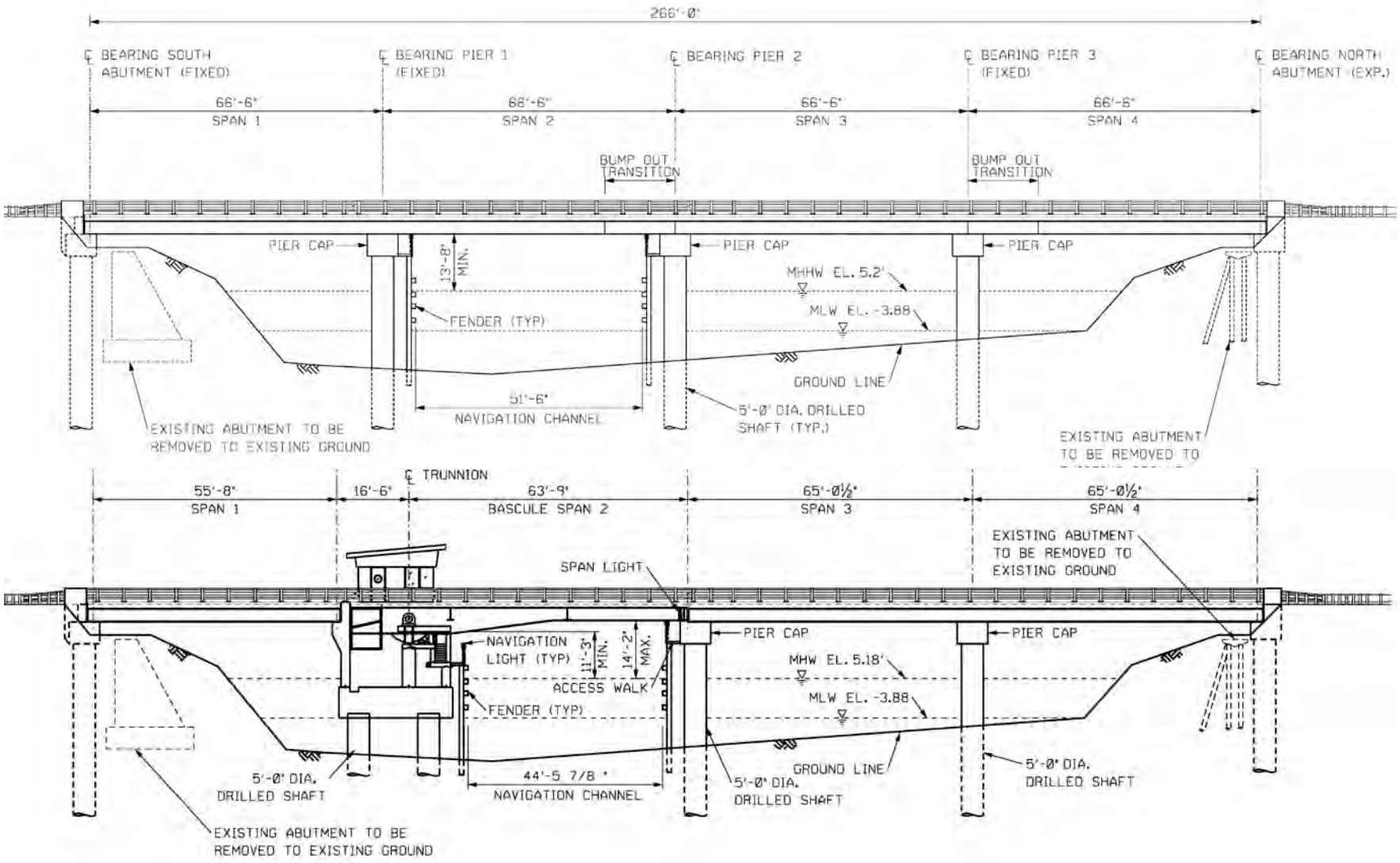

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Bascule Bridge Replacement

Comparison of Alternatives

Capital Cost comparisons

Alternative	Roadway Cost	Wall Cost	Bridge Cost	Engineering	Total
Bascule Bridge	$482,317	$280,000	$14,590,000	$1,230,000	$16,583,000
Fixed Bridge	$482,317	$280,000	$5,280,000	$528,000	$6,570,000

Moving Forward

- Meeting with Dredge Management Task Force (DMTF) April 30
- Public Informational Meeting – To Be Determined
- Historic Resources
  - Submit Determination of Effect
  - Memorandum of Agreement
- Project advertised in 2017

Thank You