



3 June 2020

### **PUBLIC NOTICE (PN 06-20)**

The Commander, Thirteenth Coast Guard District has received a request for a preliminary Navigation Determination (PND) from the Oregon Department of Transportation (DOT) in preparation for compiling a Coast Guard Bridge Permit application for a major modification of the I-205 Abernethy Bridge Project. At the request of the Coast Guard, Oregon DOT has prepared a navigation impact report (NIR) for the Project.

Based on the I-205 Abernethy Bridge NIR, the Coast Guard is preparing to issue a preliminary navigation determination. This PN is soliciting for comments exclusively related to *navigation*. The public is highly encouraged to carefully review this notice and provide comments with regard to the proposed bridge's ability to meet the reasonable needs of navigation.

**WATERWAY AND LOCATION:** Willamette River, river mile 25.5, Clackamas County, OR.

**CHARACTER OF WORK:** The project purpose is to add one additional motor vehicle lane in each direction and seismically upgrade the existing I-205 Abernethy Bridge, which is a fixed, 15-span steel girder and box girder bridge that carries motor vehicle traffic over the Willamette River on U.S. Interstate Highway 205 (I-205). The navigational clearances proposed for the modified bridge are shown below.

#### **MINIMUM NAVIGATIONAL CLEARANCE of the PERMANENT BRIDGE: (at ordinary high water, OHW)**

	<u>Existing</u>	<u>Proposed</u>
Horizontal:	325 feet	265 feet
Vertical:	76 feet	76 feet

#### **MINIMUM NAVIGATIONAL CLEARANCE during construction period (4 years):**

Horizontal:	150 feet
Vertical:	76 feet

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Note: NAVD 88 datum

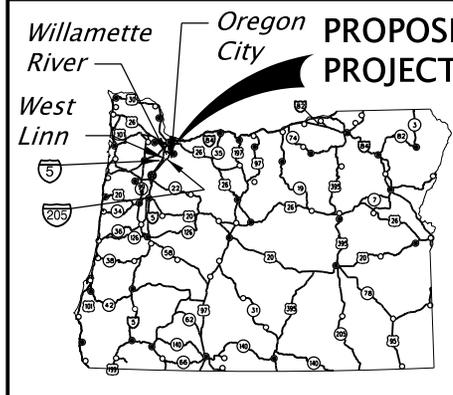
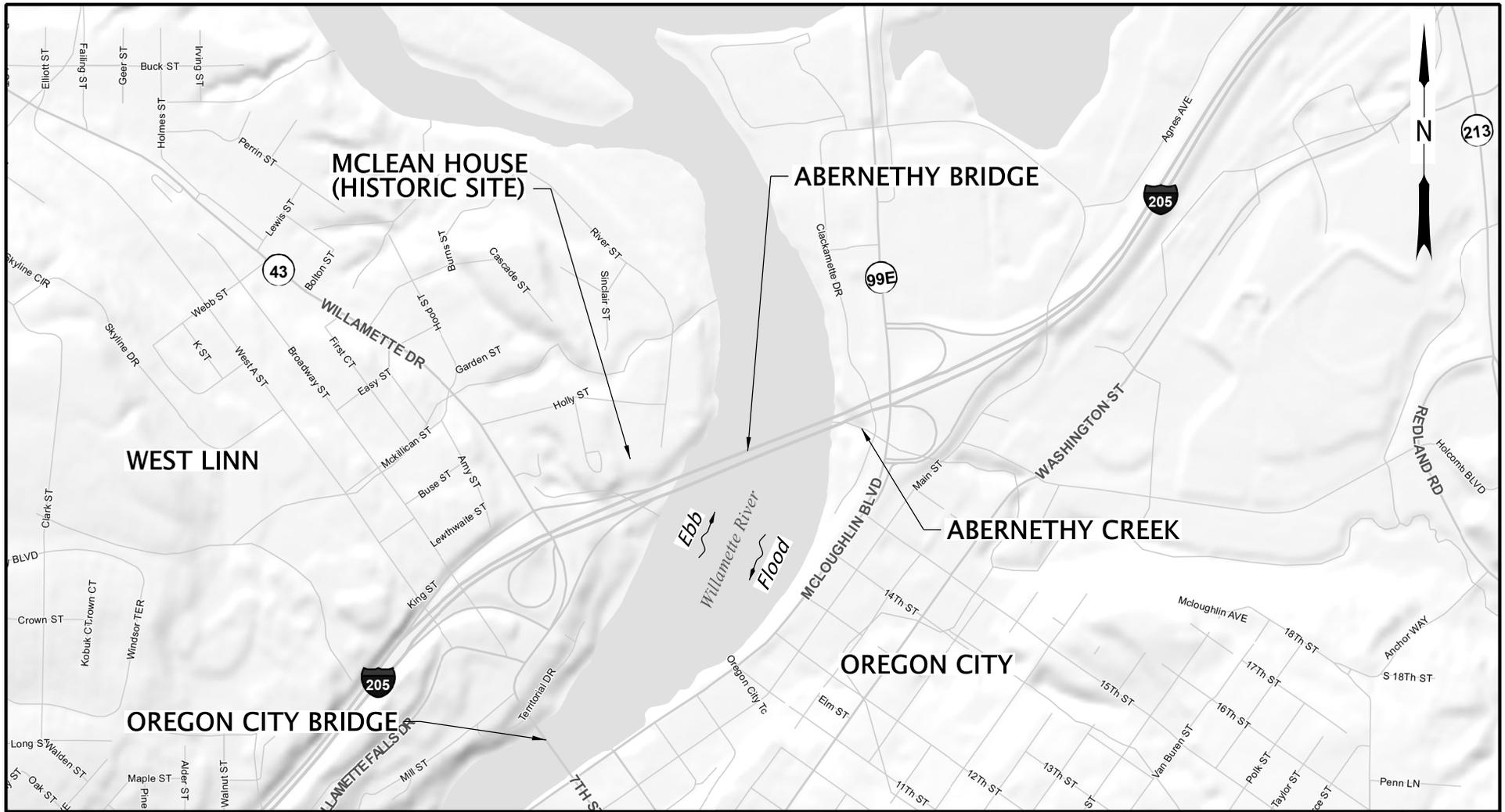
**SOLICITATION OF COMMENTS:** Mariners and maritime stakeholders are requested to express their views, in writing, on the proposed bridge and its possible impact on navigation, if any, giving sufficient detail to establish a clear understanding of their reasons for support of, or opposition to, the proposed work.

Comments will be received for the record at the office of: Commander (dpw), Thirteenth Coast Guard District, 915 2<sup>nd</sup> Ave, Rm 3510, Seattle, WA or via email at [D13-SMB-D13-BRIDGES@uscg.mil](mailto:D13-SMB-D13-BRIDGES@uscg.mil) or by telephone (if unable to submit comments in writing) by calling 206-220-7282. Comments should be sent to arrive on or before 03 July 2020.

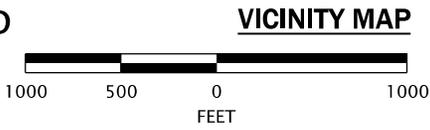
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STEVEN M. FISCHER  
Bridge Administrator  
Thirteenth Coast Guard District  
By direction of the District Commander

"This is a web-searchable copy and is not the official, signed version; however, other than the signature being omitted, it is a duplicate of the official version."



**PROPOSED PROJECT**



**VICINITY MAP**

CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD BRIDGE PERMIT

APPLICANT/OWNER: OREGON DEPARTMENT OF TRANSPORTATION

CONSULTANT/AGENT: HDR ENGINEERING & QUINCY ENGINEERING

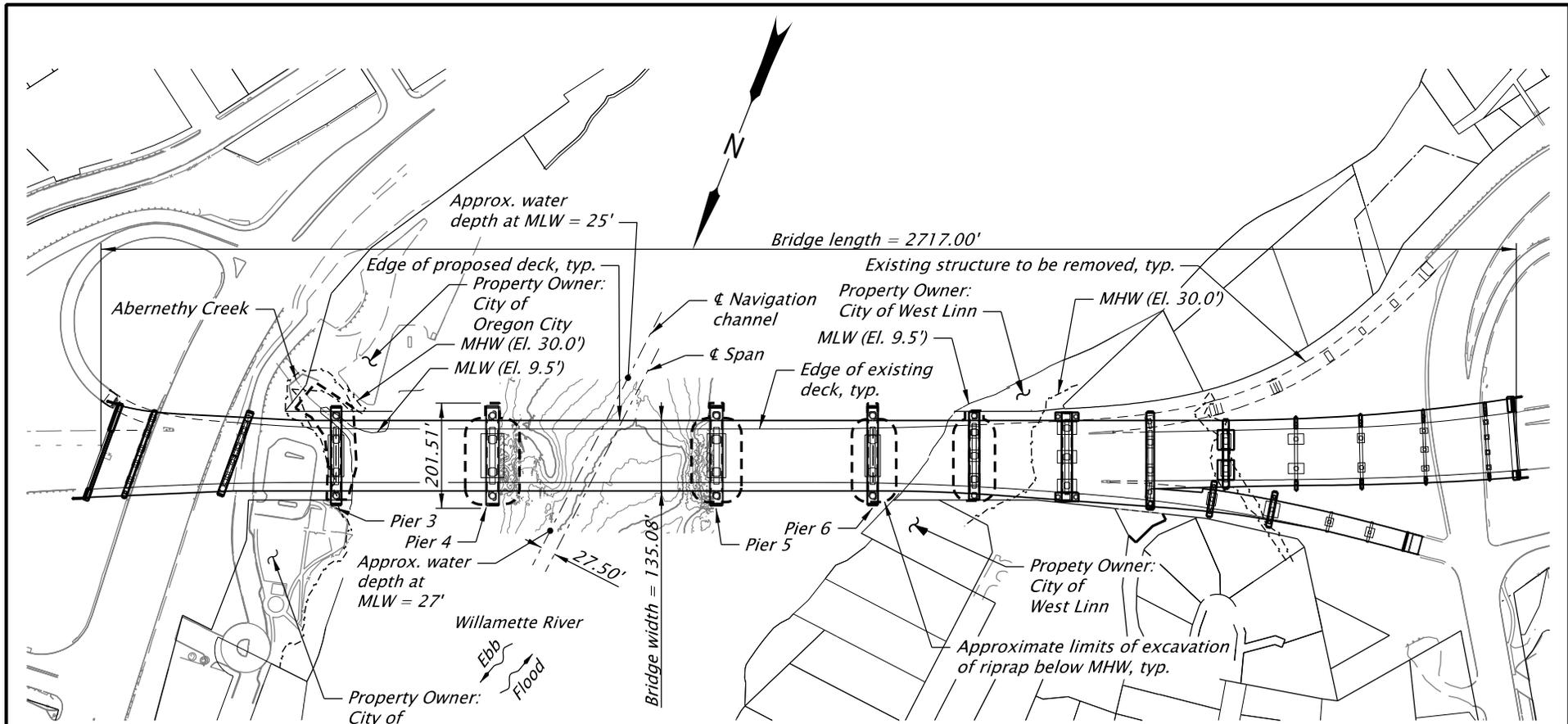


**ABERNETHY BRIDGE  
WILLAMETTE RIVER, MILE 25.5  
OREGON CITY - WEST LINN  
CLACKAMAS COUNTY, OREGON**

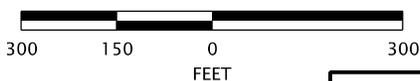
LOCATION/VICINITY MAP FOR COAST GUARD PERMIT

SHEET 1 OF 6

DATE  
05/06/20



**PLAN**



- Notes:**
1. Piers consist of concrete crossbeams, columns, and drilled shafts.
  2. Bridge work consists of widening and seismic retrofit. See sheet 5 for portions of existing structure to be removed and portions to remain adjacent to the navigation channel.

Water Body Name	Removal Volume (cy)	Fill Volume (cy)
Willamette River	39,760 - 44,490	28,696
Abernethy Creek	3,315	2,914

Unless noted otherwise, elevations shown are based on North American Vertical Datum (1988). Subtract 3.486' to convert to Mean Sea Level datum used in previous Coast Guard approved plans.

MHW = Shoreline

CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD BRIDGE PERMIT

APPLICANT/OWNER: OREGON DEPARTMENT OF TRANSPORTATION

CONSULTANT/AGENT: HDR ENGINEERING & QUINCY ENGINEERING

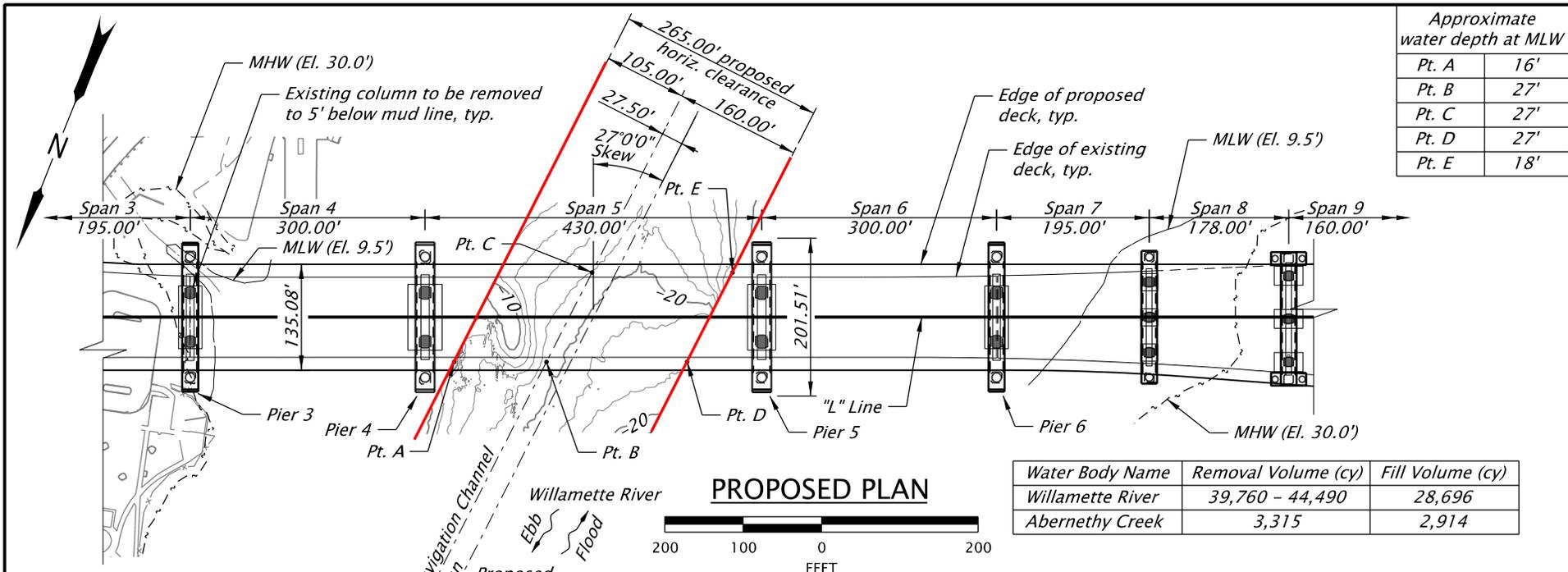


**ABERNETHY BRIDGE**  
**WILLAMETTE RIVER, MILE 25.5**  
**OREGON CITY - WEST LINN**  
**CLACKAMAS COUNTY, OREGON**

**OVERALL PLAN VIEW FOR COAST GUARD PERMIT**

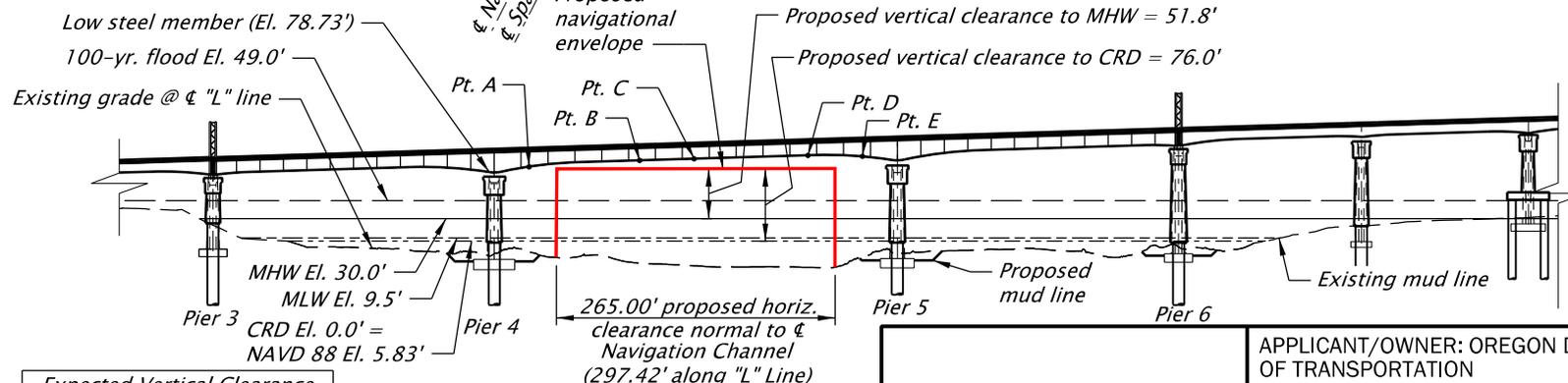
**SHEET 2 OF 6**

DATE  
 05/06/20



Approximate water depth at MLW

Pt. A	16'
Pt. B	27'
Pt. C	27'
Pt. D	27'
Pt. E	18'



Expected Vertical Clearance

Location	to MHW	to CRD
Pt. A	54.8'	79.0'
Pt. B	61.5'	85.7'
Pt. C	63.2'	87.4'
Pt. D	66.7'	90.9'
Pt. E	65.5'	89.7'

Unless noted otherwise, elevations shown are based on North American Vertical Datum (1988). Subtract 3.486' to convert to Mean Sea Level datum used in previous Coast Guard approved plans.

MHW = Shoreline  
CRD = Columbia River Datum

CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD BRIDGE PERMIT

- Notes:**
- No protection system will be constructed.
  - Bridge work consists of widening and seismic retrofit. See sheet 5 for portions of existing structure to be removed and portions to remain adjacent to the navigation channel.

APPLICANT/OWNER: OREGON DEPARTMENT OF TRANSPORTATION  
CONSULTANT/AGENT: HDR ENGINEERING & QUINCY ENGINEERING

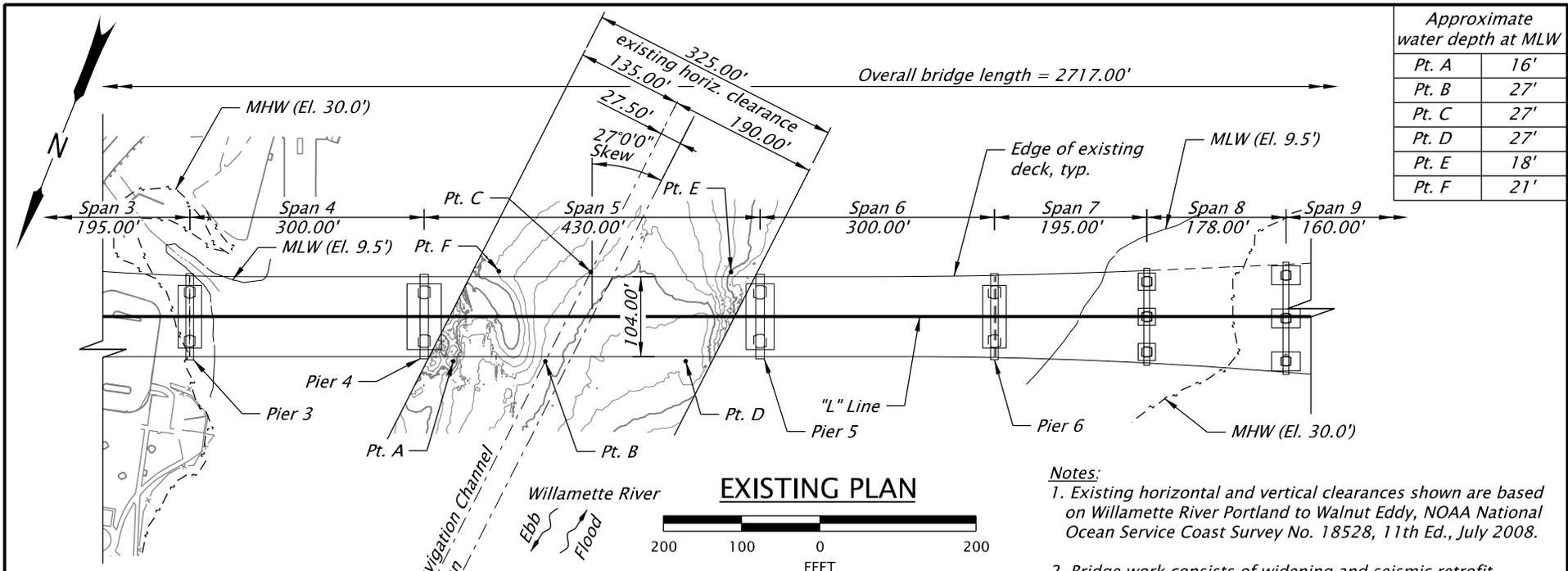


**ABERNETHY BRIDGE**  
WILLAMETTE RIVER, MILE 25.5  
OREGON CITY - WEST LINN  
CLACKAMAS COUNTY, OREGON

**PROPOSED RIVER SPANS PLAN AND ELEVATION VIEW FOR COAST GUARD PERMIT**

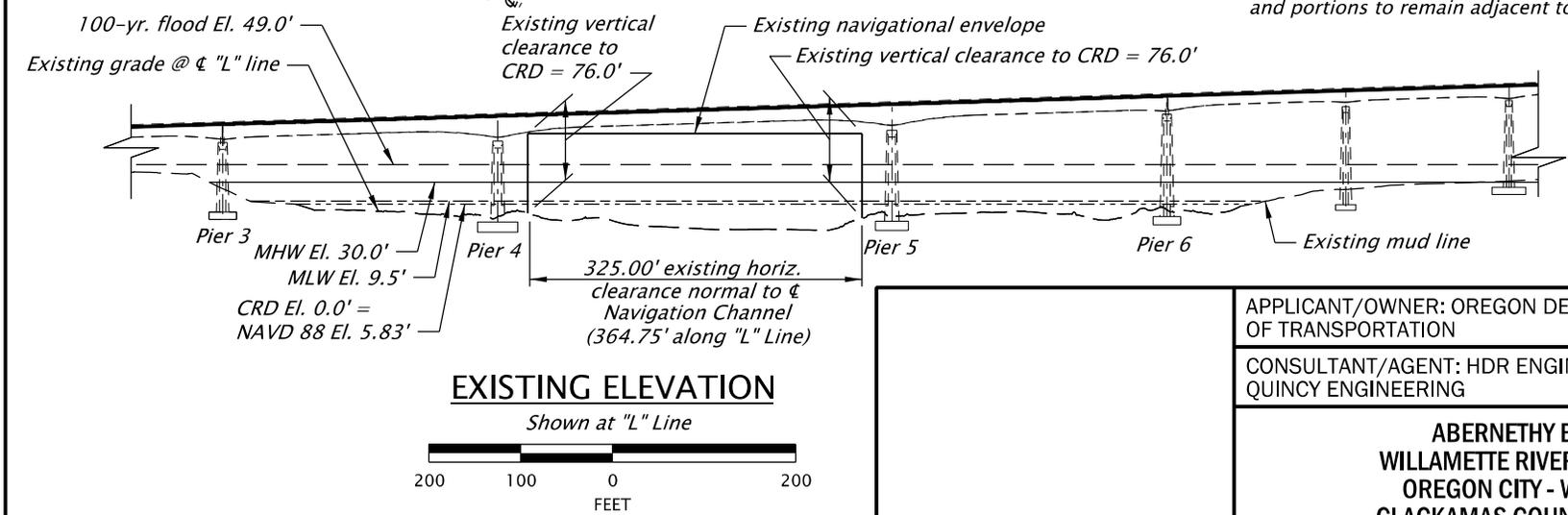
SHEET 3 OF 6

DATE  
05/06/20



Approximate water depth at MLW	
Pt. A	16'
Pt. B	27'
Pt. C	27'
Pt. D	27'
Pt. E	18'
Pt. F	21'

- Notes:**
- Existing horizontal and vertical clearances shown are based on Willamette River Portland to Walnut Eddy, NOAA National Ocean Service Coast Survey No. 18528, 11th Ed., July 2008.
  - Bridge work consists of widening and seismic retrofit. See sheet 5 for portions of existing structure to be removed and portions to remain adjacent to the navigation channel.



APPLICANT/OWNER: OREGON DEPARTMENT OF TRANSPORTATION

CONSULTANT/AGENT: HDR ENGINEERING & QUINCY ENGINEERING



**ABERNETHY BRIDGE**  
**WILLAMETTE RIVER, MILE 25.5**  
**OREGON CITY - WEST LINN**  
**CLACKAMAS COUNTY, OREGON**

**EXISTING RIVER SPANS PLAN AND ELEVATION**  
**VIEW FOR COAST GUARD PERMIT**

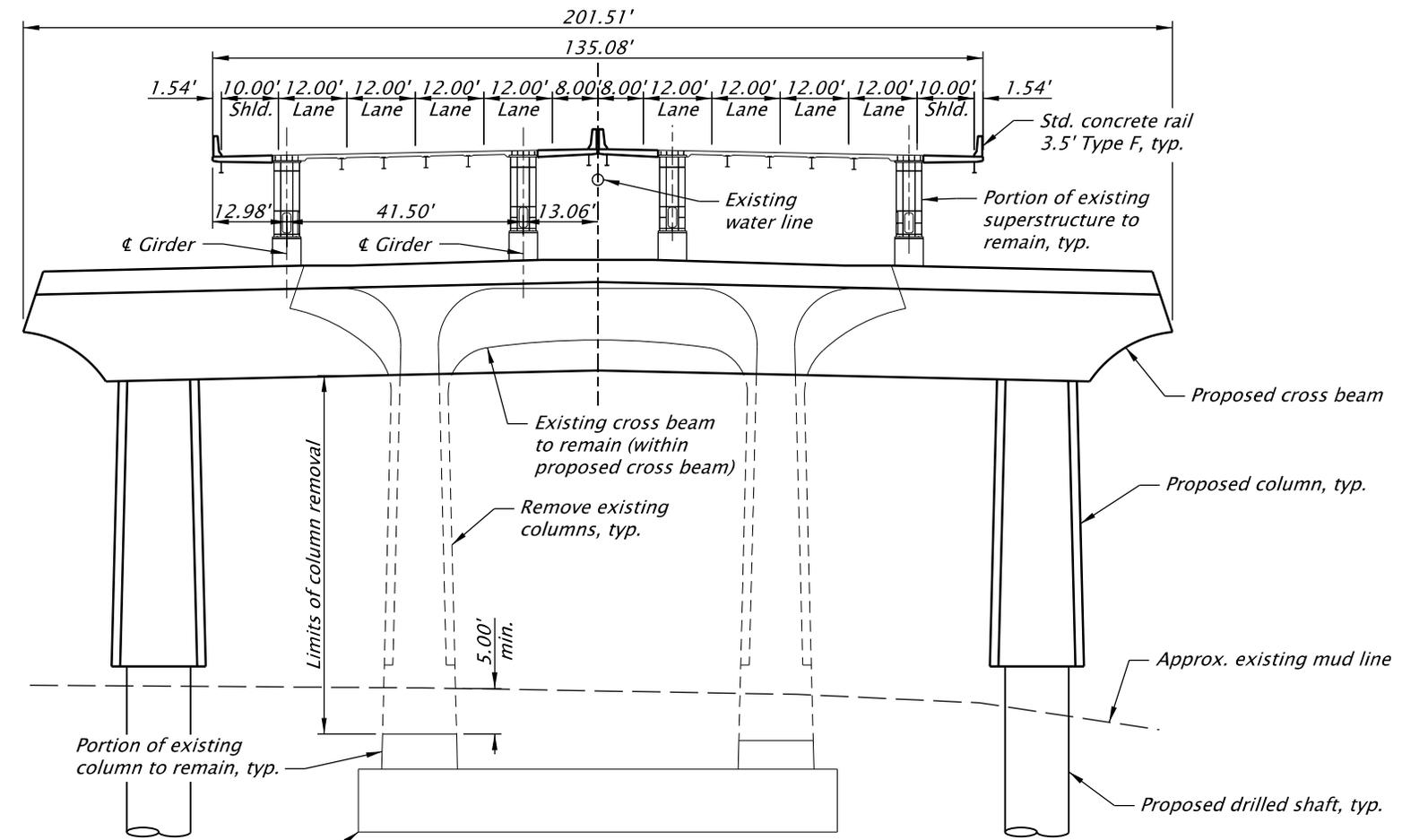
**SHEET 4 OF 6**

DATE  
 05/06/20

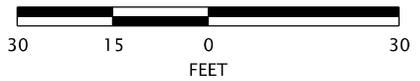
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CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD BRIDGE PERMIT



**TYPICAL SECTION**  
 Pier 4 shown. Piers 3 and 5-8 similar.



*Note:*  
 Existing columns to be removed to 5'  
 below existing mud line.

CONCEPTUAL PLANS UTILIZED  
 TO OBTAIN COAST GUARD  
 BRIDGE PERMIT

APPLICANT/OWNER: OREGON DEPARTMENT  
 OF TRANSPORTATION

CONSULTANT/AGENT: HDR ENGINEERING &  
 QUINCY ENGINEERING

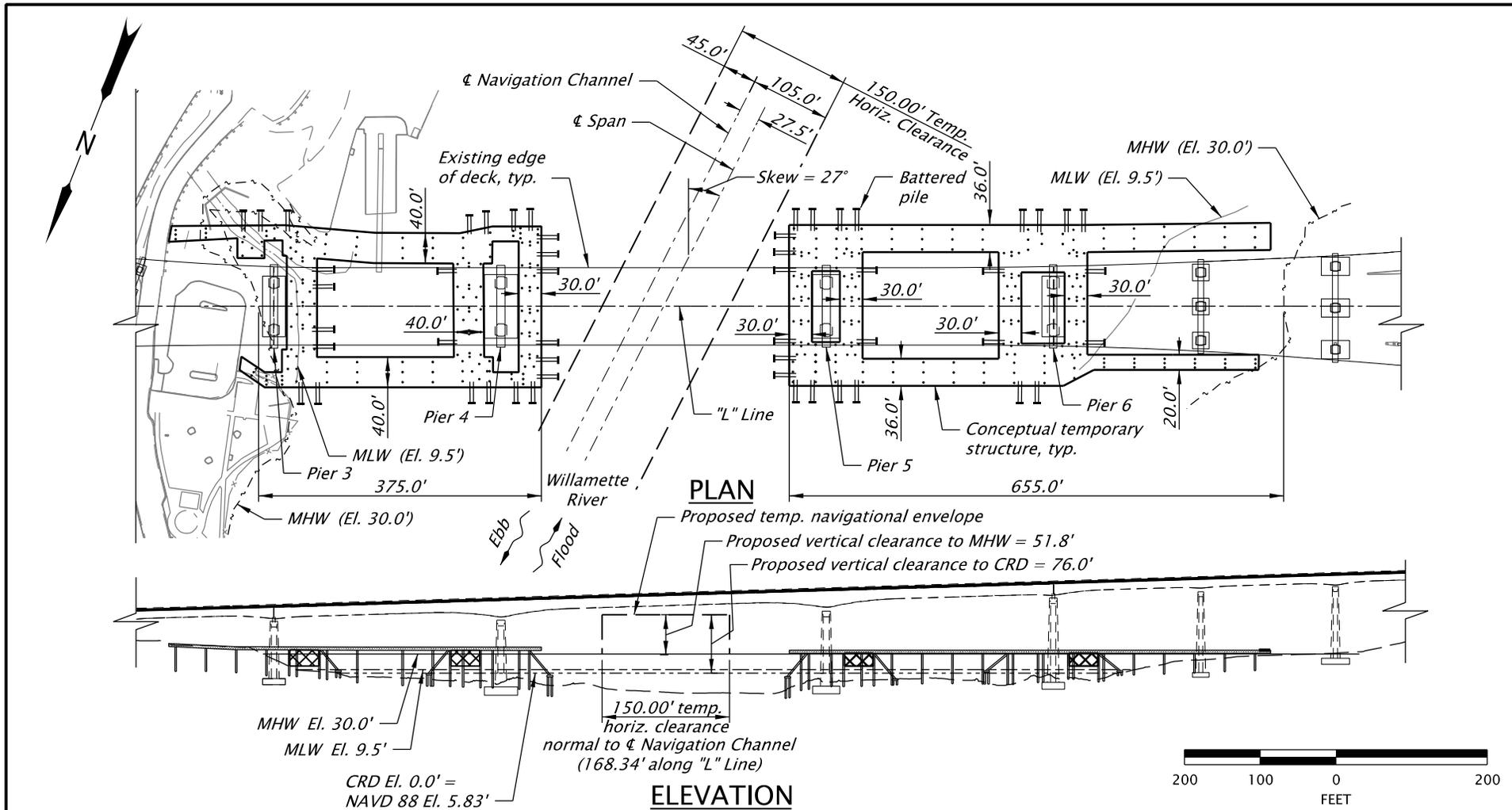


**ABERNETHY BRIDGE**  
**WILLAMETTE RIVER, MILE 25.5**  
**OREGON CITY - WEST LINN**  
**CLACKAMAS COUNTY, OREGON**

**TYPICAL SECTION VIEW**  
**FOR COAST GUARD PERMIT**

**SHEET 5 OF 6**

DATE  
 05/06/20



**Notes:**

Existing bridge is being widened. Only portions of the structure will be removed to allow for widening.

Only existing bridge structure and conceptual temporary structures are shown for clarity.

Dimensions shown for conceptual temporary work structure may be modified prior to construction plan approval. Horizontal and vertical clearances shown will be maintained.

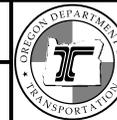
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CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD BRIDGE PERMIT

APPLICANT/OWNER: OREGON DEPARTMENT OF TRANSPORTATION

CONSULTANT/AGENT: HDR ENGINEERING & QUINCY ENGINEERING



**ABERNETHY BRIDGE**  
WILLAMETTE RIVER, MILE 25.5  
OREGON CITY - WEST LINN  
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TEMPORARY STRUCTURES FOR COAST GUARD PERMIT

SHEET 6 OF 6

DATE  
05/06/20