



1510 – B Third Street
Tillamook, Oregon 97141
www.tillamook.or.us

Building (503) 842-3407
Planning (503) 842-3408
Sanitation (503) 842-3409
FAX (503) 842-1819
Toll Free 1(800) 488-8280

Land of Cheese, Trees and Ocean Breeze

Estuary/Floodplain Development Permit Request #851-23-000095-PLNG: Tillamook River Bridge - ODOT

*NOTICE TO MORTGAGEE, LIENHOLDER, VENDOR OR SELLER:
ORS 215 REQUIRES THAT IF YOU RECEIVE THIS NOTICE,
IT MUST BE PROMPTLY FORWARDED TO THE PURCHASER*

NOTICE OF ADMINISTRATIVE REVIEW Date of Notice: June 2, 2023

Notice is hereby given that the Tillamook County Department of Community Development is considering the following:

#851-23-000095-PLNG: An Estuary and Floodplain Development Permit for the replacement of existing piles for the Tillamook River Bridge on the Tillamook River along Highway 131. The applicant is Caroline Crisp of the Oregon Department of Transportation.

Written comments received by the Department of Community Development prior to 4:00 p.m. on June 16, 2023 will be considered in rendering a decision. Comments should address the standards upon which the Department must base its decision. A decision will be rendered no sooner than the next business day, June 20, 2023.

Notice of the application, a map of the subject area, and the applicable criteria are being mailed to all property owners within 250-feet of the exterior boundaries of the subject parcel for which an application has been made and other appropriate agencies at least 14-days prior to this Department rendering a decision on the request.

A copy of the application, along with a map of the request area and the applicable criteria for review are available for inspection at the Department of Community Development office located at 1510-B Third Street, Tillamook, Oregon 97141, or on the Tillamook County Department of Community Development website: <https://www.co.tillamook.or.us/commdev/landuseapps>

If you have any questions about this application, please call the Department of Community Development Lynn Tone, at 503-842-3408 x 3423 or ltone@co.tillamook.or.us.

Sincerely,

Melissa Jenck, CFM, Senior Planner

A handwritten signature in blue ink that reads "Melissa Jenck". The signature is written in a cursive style.

Sarah Absher, CFM, Director

Enc. Maps, Applicable Ordinance Standards

Applicable Ordinances & Development Standards

Tillamook County Land Use Ordinance (TCLUO)

<https://www.co.tillamook.or.us/gov/ComDev/planning/luo.htm>

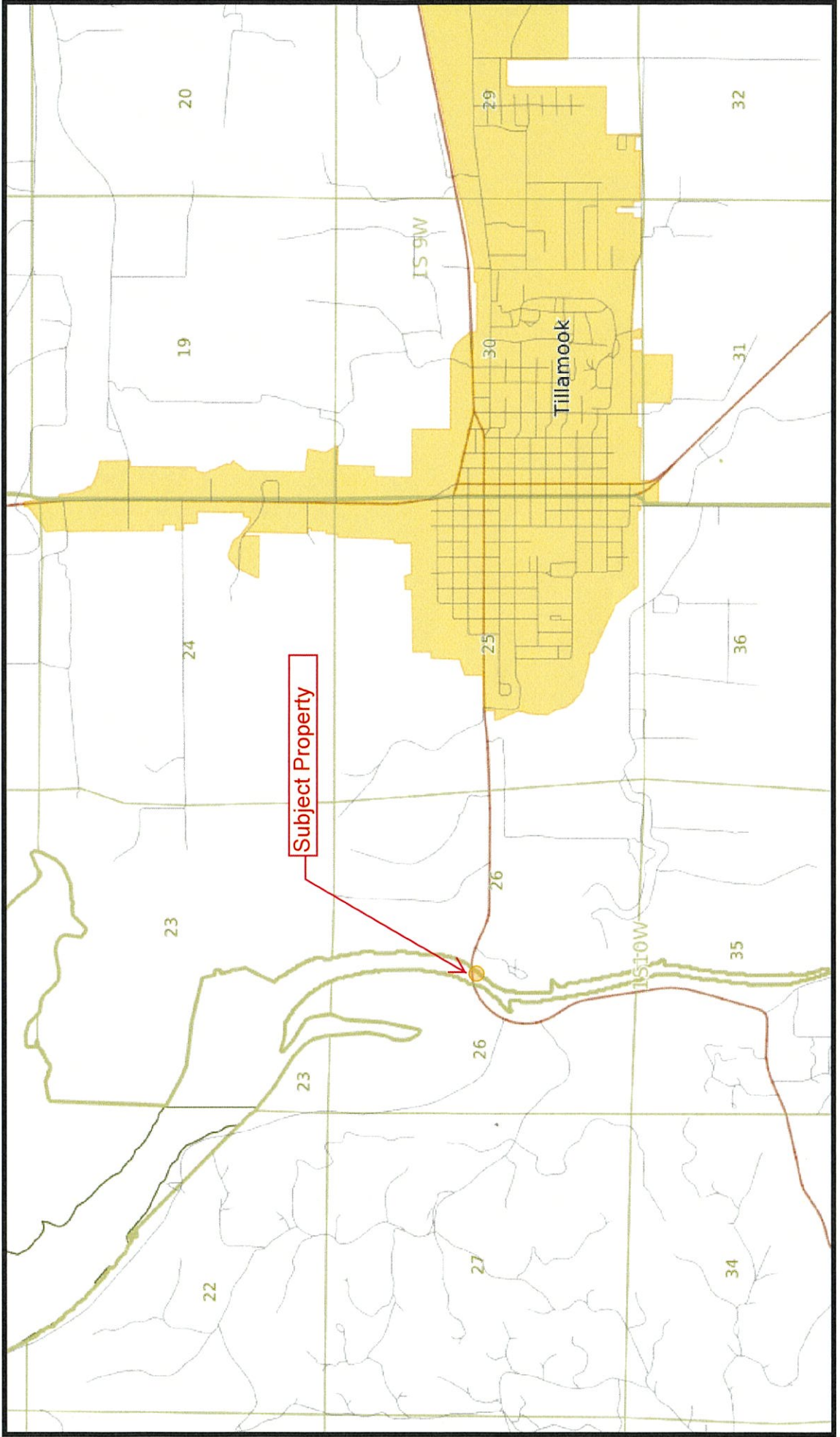
- Section 3.106: Estuary Conservation 1 (EC1) Zone
- Section 3.120: Regulated Activities and Impacts Assessments
- Section 3.140: Estuary Development Standards
- Section 3.510: Flood Hazard Overlay (FH)
- Section 4.140: Requirements for Protection of Water Quality and Streambank Stabilization

EXHIBIT

A



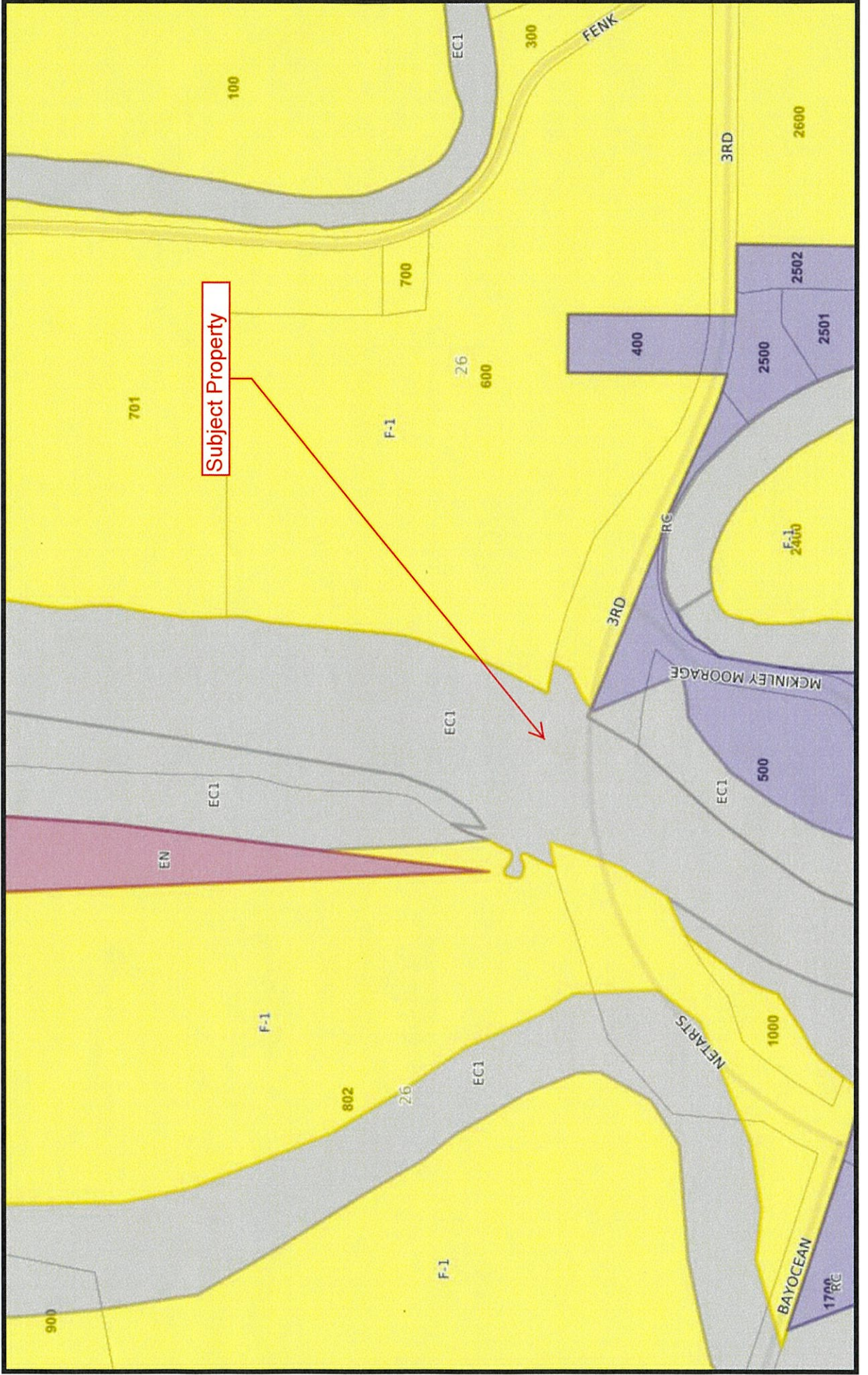
Tillamook County GIS





Tillamook County GIS

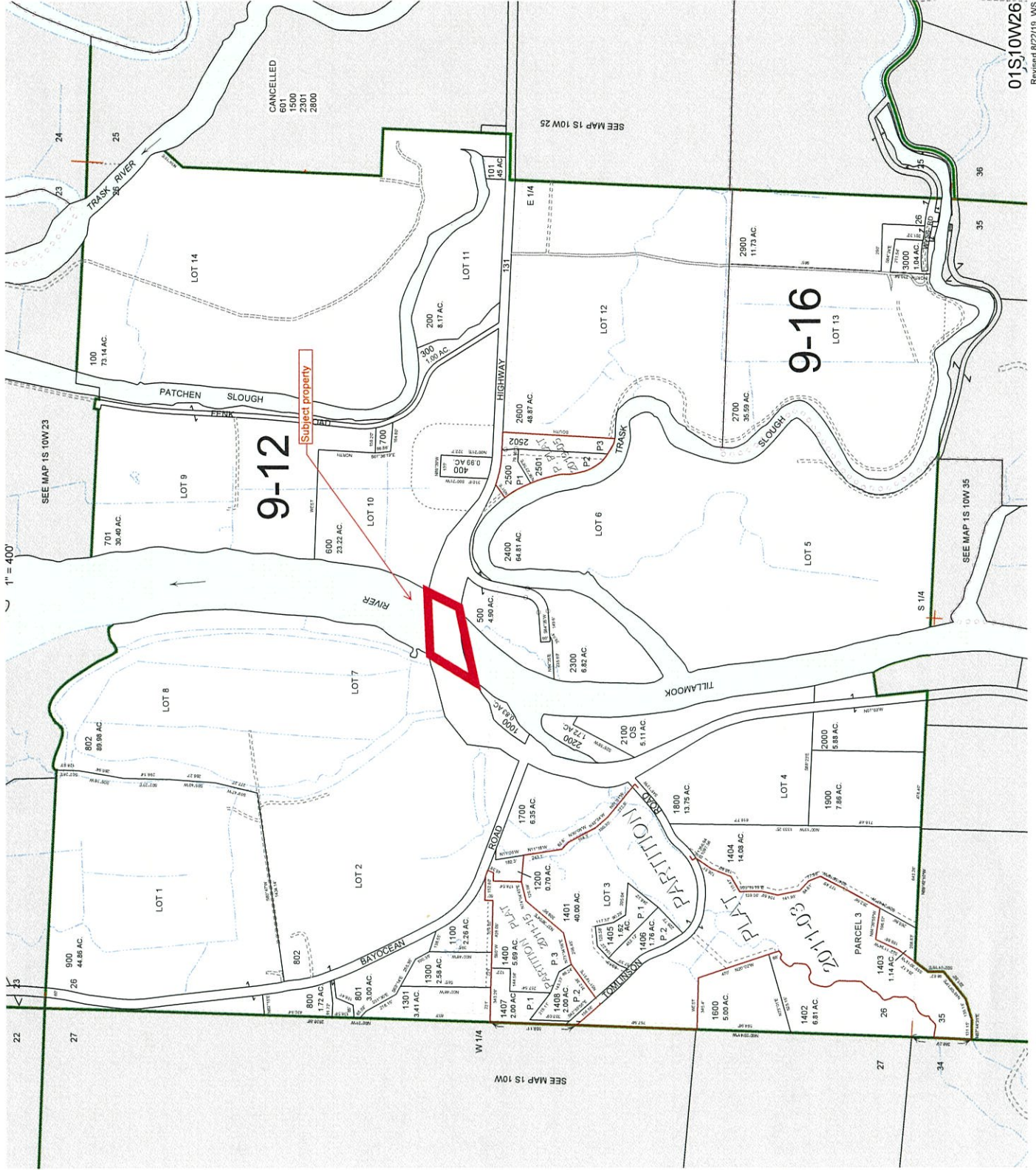
Zoning Map



THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY

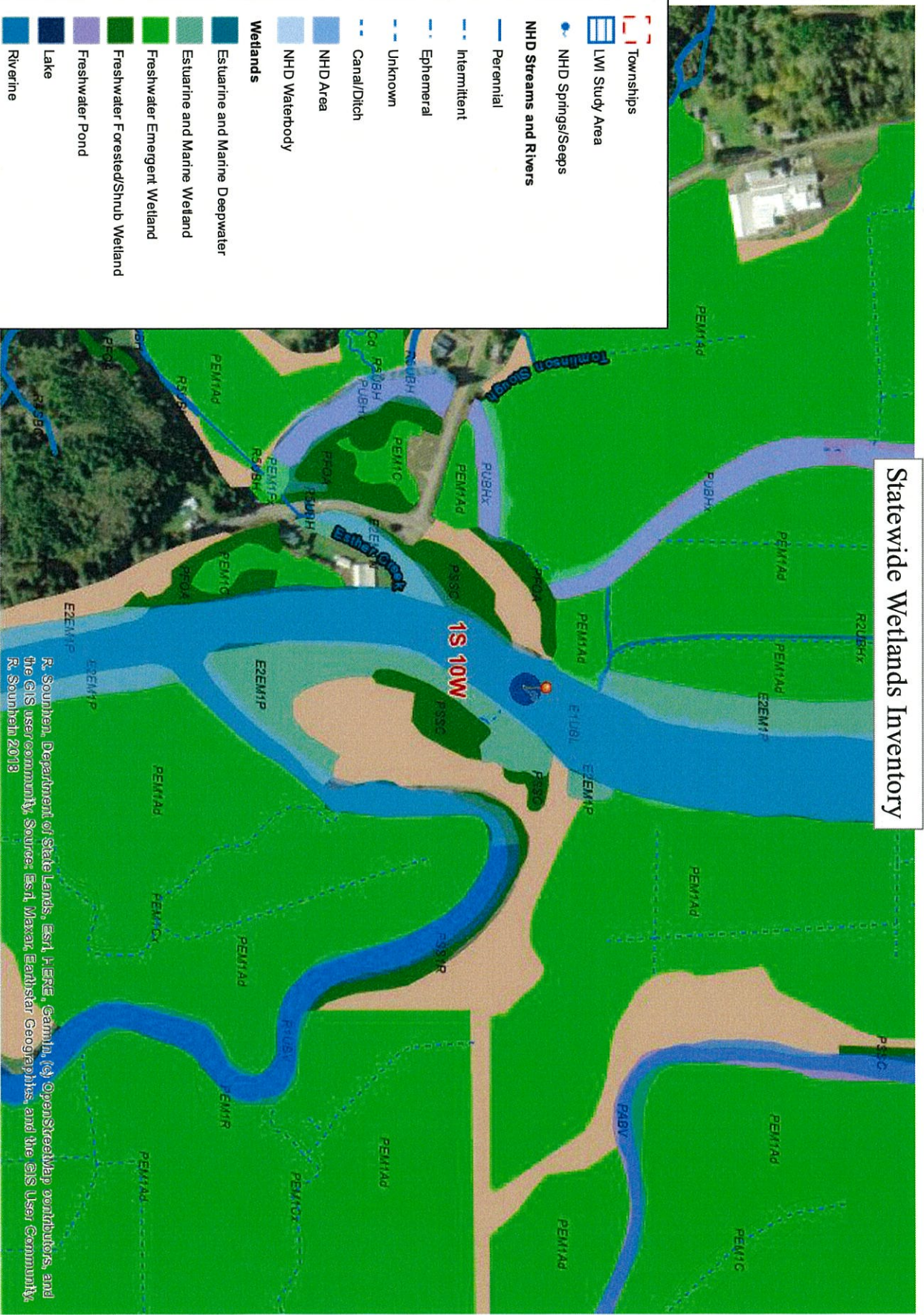
SECTION 26 T.1S. R.10W. W.M.
TILLAMOOK COUNTY

01S10W26



01S,10W26
Revised 9/22/19, WS

Statewide Wetlands Inventory

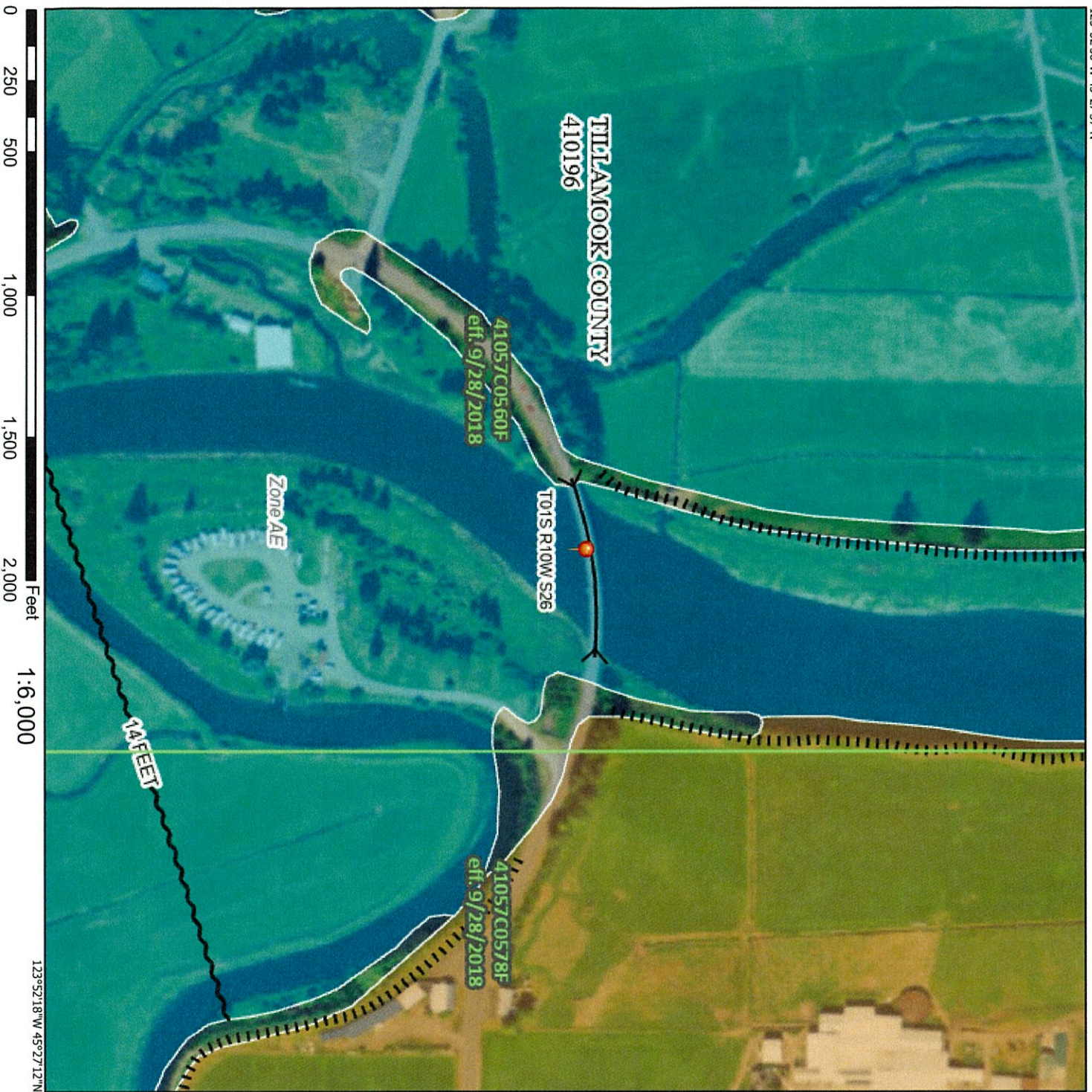


	Townships
	LWI Study Area
	NHD Springs/Seeps
	NHD Streams and Rivers
	Perennial
	Intermittent
	Ephemeral
	Unknown
	Canal/Ditch
	NHD Area
	NHD Waterbody
Wetlands	
	Estuarine and Marine Deepwater
	Estuarine and Marine Wetland
	Freshwater Emergent Wetland
	Freshwater Forested/Shrub Wetland
	Freshwater Pond
	Lake
	Riverine
	SWI Predominantly Hydric Soil Map Units
	SWI Agate-Windu Soils

The Statewide Wetlands Inventory (SWI) represents the best data available at the time this map was published and is updated as new data become available. In all cases, actual field conditions determine the presence, absence and boundaries of wetlands and waters (such as creeks and ponds). An onsite investigation by wetland professionals can verify actual field conditions.

National Flood Hazard Layer FIRMette

123°52'56"W 45°27'37"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

	Without Base Flood Elevation (BFE) Zone A, V, A99
	With BFE or Depth Zone AE, AO, AH, VE, AR
	Regulatory Floodway

0.2% Annual Chance Flood Hazard, Area of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone J

Future Conditions 1% Annual Chance Flood Hazard Zone X

Area with Reduced Flood Risk due to Levee. See Notes, Zone X

Area with Flood Risk due to Levee Zone D

NO SCREEN Area of Minimal Flood Hazard Zone X

Effective LOMRs

OTHER AREAS

Area of Undetermined Flood Hazard Zone

GENERAL STRUCTURES

Channel, Culvert, or Storm Sewer

Levee, Dike, or Floodwall

20.2 Cross Sections with 1% Annual Chance

17.5 Water Surface Elevation

Coastal Transect

Base Flood Elevation Line (BFE)

Limit of Study

Jurisdiction Boundary

Coastal Transect Baseline

Profile Baseline

Hydrographic Feature

OTHER FEATURES

Digital Data Available

No Digital Data Available

Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/2/2023 at 4:24 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

EXHIBIT

B



DEVELOPMENT PERMIT

OFFICE USE ONLY
Date Stamp
<input type="checkbox"/> Approved <input type="checkbox"/> Denied
Received by:
Receipt #: 131186
Fees: 11,000.-
Permit No: 851-23 - 000095 - PLNG

Applicant (Check Box if Same as Property Owner)

Name: ODOT (Caroline Crisp). Phone: 503-313-6812
 Address: 350 W Marine Dr
 City: Astoria State: OR Zip: 97103
 Email: Caroline.Cirsp@odot.oregon.gov.

Property Owner

Name: Phone:
 Address:
 City: State: Zip:
 Email:

Description of Work: Proposed maintenance work on an existing state highway bridge. Description of work includes repairing 6 timber piles. Rotten sections will be removed by embedding a circular steel tube 2-feet below the ground surface. The tube would be backfilled with concrete to serve as a support. Rotten sections will be removed and new parts spliced onto the bridge piles. A floating platform will be used to access the piles.

Location:

Site Address: OR 131 (Netarts Highway) at MP 7.49. State ROW.

Map Number:	01S	10W	26	State ROW
	Township	Range	Section	Tax Lot(s)

Complete all applicable fields:

Regulatory Floodway:	Estuary:	<input checked="" type="checkbox"/>	Floodplain:	
New:	Addition:	Replacement:	Remodel:	Demolish:
Dwelling: Bridge	Accessory Structure:			
Culvert Diameter:	Bridge Length: 650 ft.			
Length:	Width: 31.2 ft.			
Fence Height:	Retaining Wall Height:			
Streambank Stabilization:	Other: <u>Bridge Maintenance</u>			
Fill/Removal/Grading: 24 CY	Vegetation Removal: 0 CY			

Structure/Damage \$: N/A	5 Year Construction \$:
<i>Substantial improvement/damage threshold 50% cost vs. value</i>	

Flood Insurance Rate Map (FIRM) Panel Info

Tillamook County	Panel Number: 41057C
Effective Date:	Property Flood Zone(s):
Floodway: Y N	Project Flood Zone(s):
Stream/Waterbody Name:	

Elevation Data (NAVD 88)

Base Flood Elevation:	First Habitable Floor:
Lowest Floor/Horizontal Member:	
Enclosed Area:	Flood Vent Area:

Other Required Permits

COE	DEQ	

Authorization

This permit application does not assure permit approval. The applicant and/or property owner shall be responsible for obtaining any other necessary federal, state, and local permits. The applicant verifies that the information submitted is complete, accurate, and consistent with other information submitted with this application.

Property Owner Signature (Required) _____ Date _____

Applicant Signature _____ Date _____

Land Use Compatibility Statement

Prepared for the Tillamook County, OR – April 23, 2020

The Oregon Department of Transportation (ODOT) has requested that Tillamook County (1) determine whether the above referenced project is consistent with the County's comprehensive plan, and (2) identify the land use approvals and development permits that will be required. The response is provided below. ¹

A. Consistency with comprehensive plan ²

- Project is consistent with comprehensive plan
 Project is not consistent with comprehensive plan

B. Land use approvals and development permits required

- Plan Amendment
 Conditional Use Permit
 Other Permits:
 Zone Change
 Development Permit
 None

(Please list in Comments)

Estuary + Floodplain Type II Development Permit

C. Comments

1. Development Regulated under TCLUD Section 3.106 + Section 3.510
 2. EC I zone requires review with standards per TCLUD Sections 3.122 + 3.140
 3. Estuary Development Permit is Type II Review per TCLUD Art. 10
- * Area is tidally influenced + is not Floodway.

D. Certification

Sarah Oscher

Planning Manager/Director

Tillamook County

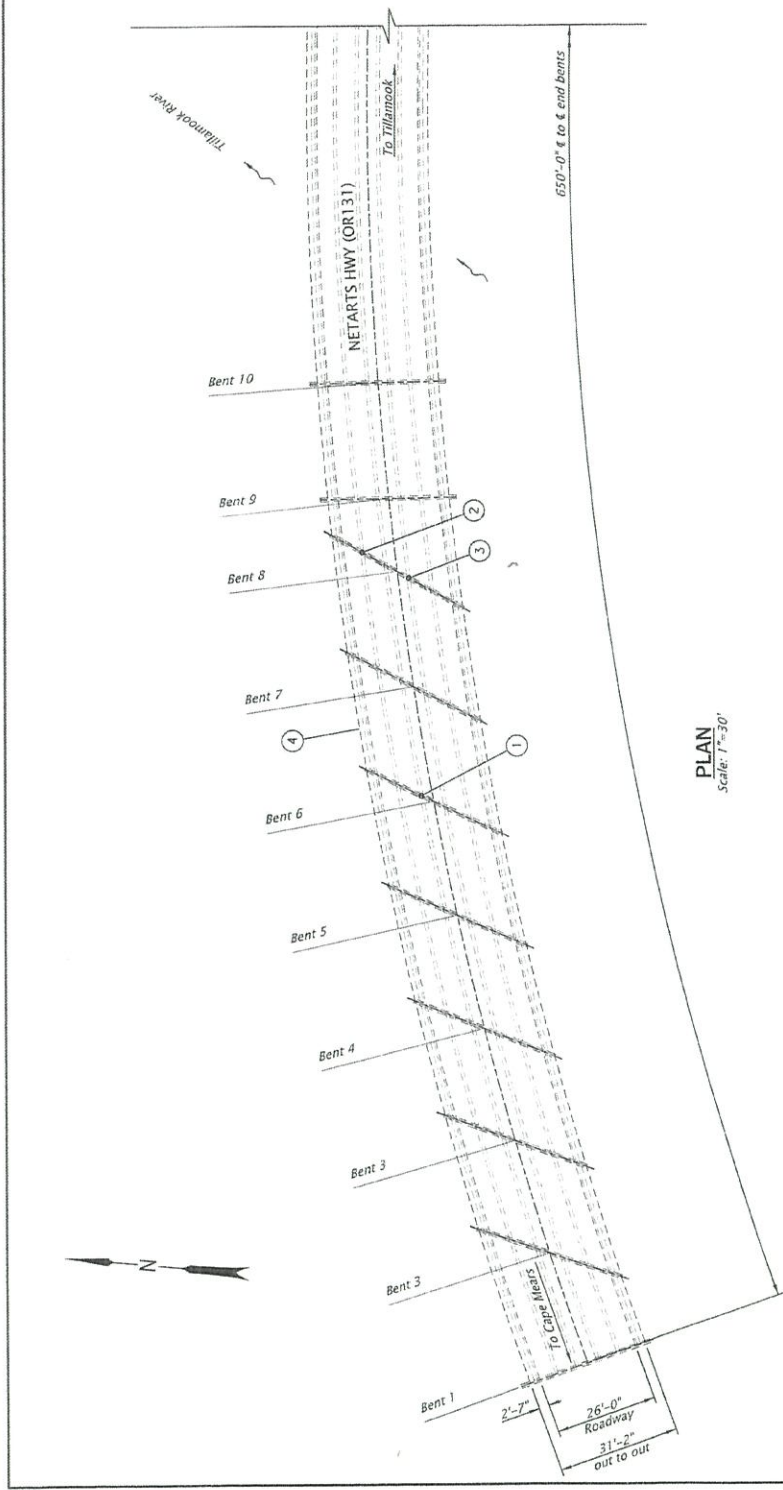
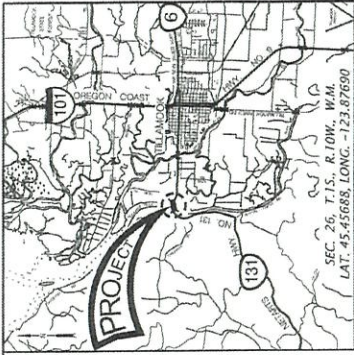
June 23, 2020

Date

* Consistency with CZMA may be required.
Please call DCO for confirmation

¹ This form was prepared by ODOT to comply with OAR 731-015. It may be modified by the responding local jurisdiction as they deem necessary. ODOT may present these findings to other regulatory agencies to satisfy the review requirements of those agencies.

² Projects identified in a locally-adopted Transportation System Plan are considered to be consistent with the comprehensive plan. (The TSP is an element of the comp plan.) Roadway maintenance and minor improvements, which are not typically identified in a TSP, are also considered to be consistent.



PLAN
Scale: 1"=30'

GENERAL NOTES:

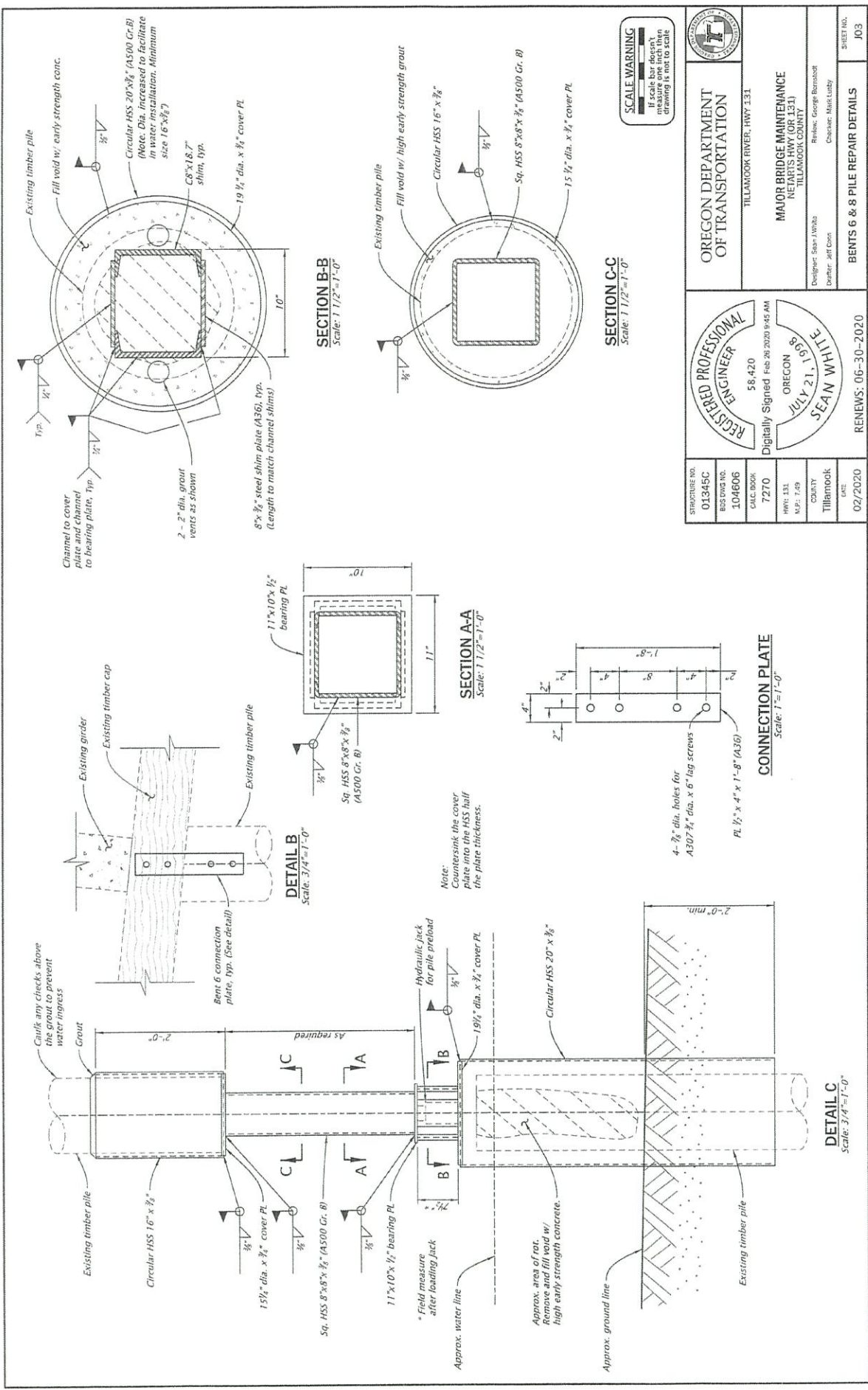
- 1) Repair Bent 6 Pile 3, see sheet J02.
 - 2) Repair Bent 8 Pile 2, see sheet J02.
 - 3) Repair Bent 6 Pile 4, see sheet J02.
 - 4) Repair line bracing, spans 6 and 14.
- Provide all materials and perform all work according to the Oregon Standard Specifications for Construction 2018.
- Repair designed in accordance with the Seventh Edition of the 2014 AASHTO LRFD Bridge Design Specifications and ODOT BDM with the following Live Loads:
- Strength II Limit State:
 ODOT Type STP-4D Permit Truck
 ODOT Type STP-4E Permit Truck
 ODOT Type STP-5BW Permit Truck
- For No Live Load, Strength IV Limit State.
- Provide ASTM A36 structural steel unless specified on plans.
- Produce welds according to the latest edition of AWS D1.1.
- Provide fasteners according to ASTM A307 Gr. A, unless otherwise specified on plans. Hot-dip galvanize after fabrication.

WORK ITEMS:

- 1) Repair Bent 6 Pile 3, see sheet J02.
- 2) Repair Bent 8 Pile 2, see sheet J02.
- 3) Repair Bent 6 Pile 4, see sheet J02.
- 4) Repair line bracing, spans 6 and 14.

SCALE WARNING
If scale bar doesn't measure one inch then drawing is not to scale

		REGISTERED PROFESSIONAL ENGINEER 58,420 OREGON Digitally Signed Feb 26 2020 9:45 AM JULY 21, 1998 SEAN WHITE	RENEWALS: 06-30-2020
STRUCTURE NO. 01345C	SHEET NO. 104604	DATE BOOK 7270	COUNTY Tillamook
HWP: 131 MFP: 7.49	DESIGNER: Sean J. White PUBLISHER: Jeff Coon	CHECKER: Mark Ludy	SHEET NO. J01
OREGON DEPARTMENT OF TRANSPORTATION TILLAMOOK RIVER, HWY 131 MAJOR BRIDGE MAINTENANCE NETARTS HWY OR 131 TILLAMOOK COUNTY			PLAN AND GENERAL NOTES



Channel to cover plate and channel to bearing plate, typ

2 - 2" dia. grout vents as shown

8"x 3/8" steel shim plate (A36), typ. (Length to match channel shims)

19 1/2" dia. x 3/4" cover PL

8" x 8" x 8" HSS (A500 Gr. B)

Circular HSS 20"x 20" (A500 Gr. B) (Note: Dia. increased to facilitate in water installation. Minimum size 16"x 18")

15 1/2" dia. x 3/4" cover PL

Sq. HSS 8"x 8"x 8" (A500 Gr. B)

11"x 10"x 1/2" bearing PL

11"x 10"x 1/2" bearing PL

11"x 10"x 1/2" bearing PL

Hydraulic jack for pile preload

19 1/2" dia. x 3/4" cover PL

Circular HSS 20"x 20"

Approx. area of rot. pile to be filled w/ high early strength concrete.

Approx. ground line

Existing timber pile

Existing timber pile

Existing girder

Existing timber cap

Existing timber pile

Bent 6 connection plate, typ. (See detail)

Caulk any checks above the grout to prevent water ingress

Grout

2'-0"

As required

15 1/2" dia. x 3/4" cover PL

Circular HSS 16" x 3/8"

Existing timber pile

Field measure after loading jack

Approx. water line

2'-0" min.

STRUCTURE NO. 01345C

BBS DWG NO. 104806

CALC. BOOK 7270

HWY. 131

MAP. 7-59

COUNTY Tillamook

DATE 02/2020

REGISTERED PROFESSIONAL ENGINEER

58,420

Digitally Signed Feb 20 2020 9:45 AM

OREGON JULY 21, 1998

SEAN WHITE

RENEWS: 06-30-2020

OREGON DEPARTMENT OF TRANSPORTATION

TILLAMOOK RIVER, HWY 131

MAJOR BRIDGE MAINTENANCE

NETARTIS HWY OR 131

TILLAMOOK COUNTY

Designer: Sean White

Checker: Mike Luby

Inspector: Jeff Cox

BENTS 6 & 8 PILE REPAIR DETAILS

SHEET NO. J03

Rotation: 0° Scale: 1/8" = 1'-0"



DEVELOPMENT PERMIT

OFFICE USE ONLY
Date Stamp
<input type="checkbox"/> Approved <input type="checkbox"/> Denied
Received by:
Receipt #:
Fees:
Permit No: 851-____-____-PLNG

Applicant (Check Box if Same as Property Owner)

Name: ODOT (Caroline Crisp). Phone: 503-313-6812
 Address: 350 W Marine Dr
 City: Astoria State: OR Zip: 97103
 Email: Caroline.Cirsp@odot.oregon.gov.

Property Owner

Name: Phone:
 Address:
 City: State: Zip:
 Email:

Description of Work: Proposed maintenance work on an existing state highway bridge. Description of work includes repairing 6 timber piles. Rotten sections will be removed by embedding a circular steel tube 2-feet below the ground surface. The tube would be backfilled with concrete to serve as a support. Rotten sections will be removed and new parts spliced onto the bridge piles. A floating platform will be used to access the piles.

Location:

Site Address: OR 131 (Netarts Highway) at MP 7.49. State ROW.

Map Number:	01S	10W	26	State ROW
	Township	Range	Section	Tax Lot(s)

Complete all applicable fields:

Regulatory Floodway:	Estuary: <input checked="" type="checkbox"/>	Floodplain:		
New: <input type="checkbox"/>	Addition: <input type="checkbox"/>	Replacement: <input type="checkbox"/>	Remodel: <input type="checkbox"/>	Demolish: <input type="checkbox"/>
Dwelling: Bridge NA	Accessory Structure: NA			
Culvert Diameter: NA	Bridge Length: 650 ft.			
Length: NA	Width: 31.2 ft.			
Fence Height: NA	Retaining Wall Height: NA			
Streambank Stabilization: NA	Other: <u>Bridge Maintenance</u>			
Fill/Removal/Grading: 24 CY	Vegetation Removal: 0 CY			

Flood Insurance Rate Map (FIRM) Panel Info

Tillamook County	Panel Number: 41057C05604
Effective Date: 9/28/2018	Property Flood Zone(s): AE
Floodway: N	Project Flood Zone(s): NA
Stream/Waterbody Name: Tillamook River	

Elevation Data (NAVD 88)

Base Flood Elevation: 14	First Habitable Floor: NA
Lowest Floor/Horizontal Member: NA	
Enclosed Area: NA	Flood Vent Area: NA

Structure/Damage \$: N/A	5 Year Construction \$: NA
Substantial improvement/damage threshold 50% cost vs. value	

Other Required Permits

COE	DEQ	
NWP #3	401 Certificate	

Authorization

This permit application does not assure permit approval. The applicant and/or property owner shall be responsible for obtaining any other necessary federal, state, and local permits. The applicant verifies that the information submitted is complete, accurate, and consistent with other information submitted with this application.

Caroline Crisp

Digitally signed by Caroline Crisp
 Date: 2023.05.22 16:38:46 -07'00'

Property Owner Signature (Required)

Date

Caroline Crisp

Digitally signed by Caroline Crisp
 Date: 2023.05.22 16:39:02 -07'00'

Applicant Signature

Date

TLCUO SECTION 3.510(14)(b) Development Permit Review Criteria:

(1) The fill is not within a Coastal High Hazard Area.

i. This is correct, the fill is not within a Coastal High Hazard Area.

(2) Fill placed within the Regulatory Floodway shall not result in any increase in flood levels during the occurrence of the base flood discharge.

i. It is a repair of the piling, no additional surface area. Not creating any increased capacity to flood.

(3) The fill is necessary for an approved use on the property.

i. Yes, the fill is necessary and an approved use. The bridge needs repair.

(4) The fill is the minimum amount necessary to achieve the approved use.

i. Yes, the fill is in the minimum amount necessary to achieve the approved use.

(5) No feasible alternative upland locations exist on the property.

i. No, it is a bridge so it will inherently be in the floodplain. No feasible alternatives.

(6) The fill does not impede or alter drainage or the flow of floodwaters.

i. No, the fill does not impede or alter drainage or flow of waters. A pair of pilings no additional surface area.

(7) If the proposal is for a new critical facility, no feasible alternative site is available.

i. No critical facility is being built.

(8) For creation of new, and modification of, Flood Refuge Platforms, the following apply, in addition to (14)(a)(1-4) and (b)(1-5):

This project will not create or modify a flood refuge Platform.

i. The fill is not within a floodway, wetland, riparian area or other sensitive area regulated by the Tillamook County Land Use Ordinance

ii. The property is actively used for livestock and/or farm purposes,

iii. Maximum platform size = 10 sq ft of platform surface per acre of pasture in use, or 30 sq ft per animal, with a 10-ft wide buffer around the outside of the platform,

iv. Platform surface shall be at least 1 ft above base flood elevation,

v. Slope of fill shall be no steeper than 1.5 horizontal to 1 vertical,

vi. Slope shall be constructed and/or fenced in a manner so as to prevent and avoid erosion.

Conditions of approval may require that if the fill is found to not meet criterion (5), the fill shall be removed or, where reasonable and practical, appropriate mitigation measures shall be required of the property owner. Such measures shall be verified by a certified engineer or hydrologist that the mitigation measures will not result in a net rise in floodwaters and be in coordination with applicable state, federal and local agencies, including the Oregon Department of Fish and Wildlife.

Exhibit A:
Supporting
Documents

Narrative: Tillamook River Bridge Repair - Hwy 131

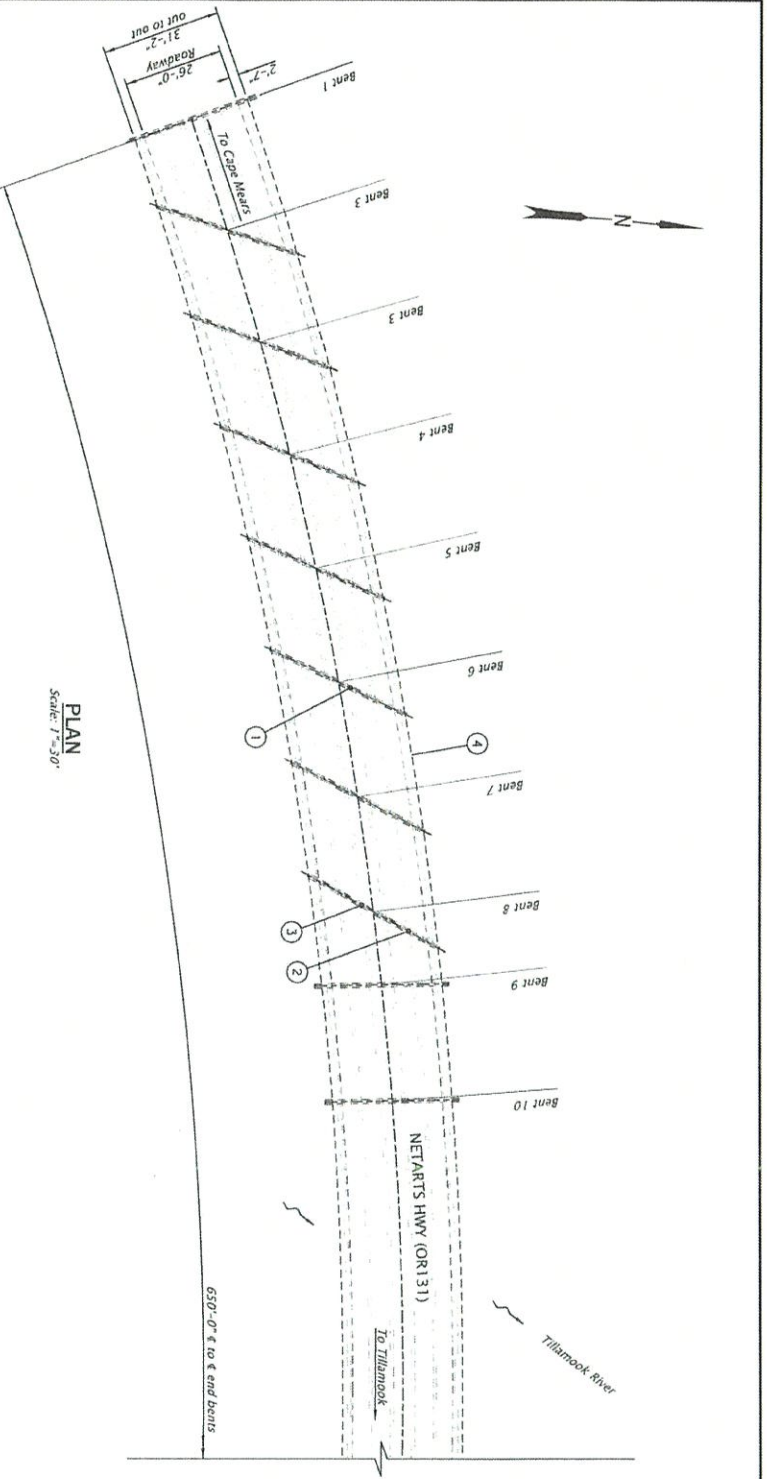
(Please see application page and plan set for approximate location of repair)

Description:

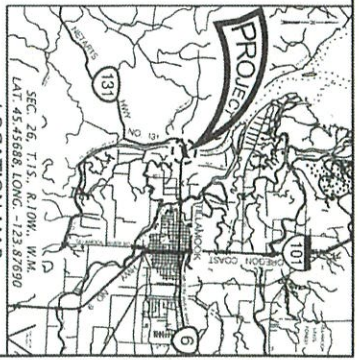
1. Nature of Activity- This ODOT maintenance project will repair 6 timber piles (within 5 bents) on the current serviceable structure. The work entails splicing the timber piles, so that the rotten sections can be removed and repaired. This will be achieved by embedding a circular, steel tube approximately 2-feet below the ground surface. The 15 3/4" diameter steel sleeve would be then back-filled with concrete to serve as the base support for the repaired piles. Work below the highest measured tide includes pushing the steel tube into the ground with a hydraulic jack and removing mud. Fill is limited to concrete poured inside the steel tube. There is 4 ft.2 of discharge (concrete) per pile (total of around 24 ft.2 for the 6 piles). Volume impacts would be 1 cy per pile (around 6 cy for the 6 piles). Since the bents are in the river, a floating dock is needed to access the piles. The dock involves a non-treated wood frame with a plywood deck, which will be floated on the water during low tides. Access will be from the bridge with no causing no impacts to the adjacent mud flats/salt marshes. The project will take about 21-days to complete with approximate 3 hour shifts during the low tides.
2. Project Purpose - The purpose of the project is to repair failing bridge components to avoid load restrictions, while maintaining a safe highway system for the traveling public.
3. Description of Avoidance, Minimization, and Compensation - The project will repair rotten timber piles, which will not result in modifications that changes the character, scope, or size of the existing structure. To minimize ground disturbance, a floating dock would be used to place the steel tube and repair the piles. All staging and construction materials will be on the existing bridge. Construction of the project will occur in one season during the extended ODFW in-water work period to minimize disturbances. To avoid inadvertent discharges, erosion control features will be used during construction. Compensation mitigation will not be needed due the negligible loss of Waters of the US.



<p>PIN</p> <ul style="list-style-type: none"> Approximate location based on user input and does not represent an authoritative property location 	<p>MAP PANELS</p> <ul style="list-style-type: none"> Selected FloodMap Boundary Digital Data Available No Digital Data Available Unmapped 	<p>SPECIAL FLOOD HAZARD AREAS</p> <ul style="list-style-type: none"> Without Base Flood Elevation (BFE) Zone A, V, ADP With BFE or Depth Regulatory Floodway Zone AE, AO, AH, X 	<p>OTHER AREAS OF FLOOD HAZARD</p> <ul style="list-style-type: none"> Area of Minimal Flood Hazard Zone X Effective LDMRs Area of Undetermined Flood Hazard Zone Z Otherwise Protected Area Coastal Barrier Resource System Area
<p>Cross Sections with 1% Annual Chance Water Surface Elevation</p> <ul style="list-style-type: none"> Coastal Transsect Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary Coastal Transsect Baseline Profile Baseline Hydrographic Feature 	<p>OTHER FEATURES</p> <ul style="list-style-type: none"> Channel, Culvert, or Storm Sewer Levee, Dike, or Floodwall 	<p>GENERAL STRUCTURES</p> <ul style="list-style-type: none"> Area with Flood Risk due to Levee Zone D Area with Reduced Flood Risk due to Levee, See Notes, Zone X Future Conditions 1% Annual Chance Flood Hazard Zone X Area with Flood Risk due to Levee Zone D 	<p>OTHER AREAS OF FLOOD HAZARD</p> <ul style="list-style-type: none"> Area with Flood Risk due to Levee Zone D



PLAN
Scale: 1"=30'



GENERAL NOTES:

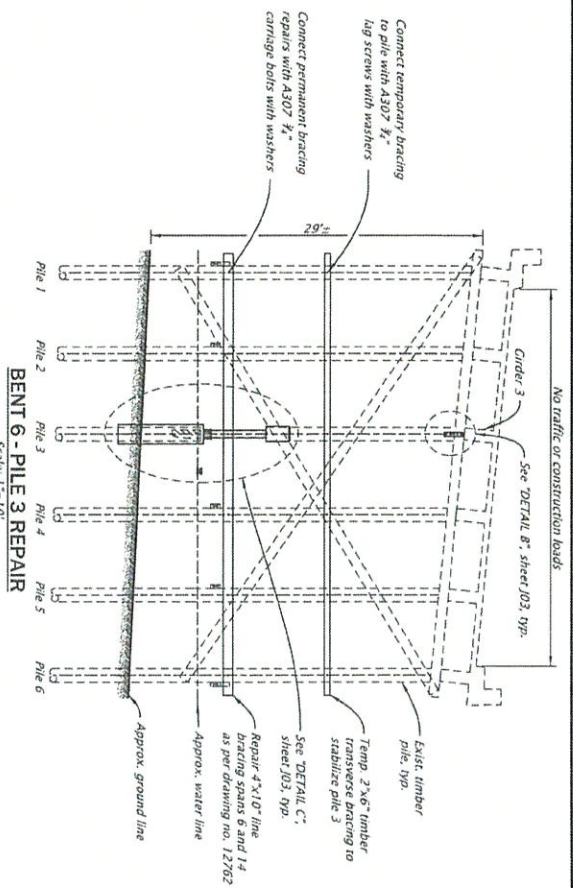
- Provide all materials and perform all work according to the Oregon Standard Specifications for Construction 2018.
- Repair designed in accordance with the Seventh Edition of the 2014 AASHTO LRFD Bridge Design Specifications and ODOT BDW with the following Live Loads:
- Strength II Limit State:
 ODOT Type STR-40 Permit Truck
 ODOT Type STR-45 Permit Truck
 ODOT Type STR-58W Permit Truck
- For No Live Load, Strength IV Limit State.
- Provide ASTM A36 structural steel unless specified on plans.
- Produce welds according to the latest edition of AWS D1.1.
- Provide fasteners according to ASTM A307 Gr. A, unless otherwise specified on plans. Hot-dip galvanize after fabrication.

WORK ITEMS:

- 1 Repair Bent 6 Pile 3, see sheet J02.
- 2 Repair Bent 8 Pile 2, see sheet J02.
- 3 Repair Bent 8 Pile 4, see sheet J02.
- 4 Repair pile bracing, spans 6 and 14.

SCALE WARNING
If scale bar doesn't match drawing is not to scale

STRUCTURE NO. 01345C		REGISTERED PROFESSIONAL ENGINEER 58,420 Digitally Signed Feb 26 2020 9:45 AM OREGON JULY 21, 1995 SEAN WHITE RENEWS: 06-30-2020	OREGON DEPARTMENT OF TRANSPORTATION TILLAMOOK RIVER, HWY 131 MAJOR BRIDGE MAINTENANCE NE TILLAMOOK COUNTY TILLAMOOK COUNTY	PLAN AND GENERAL NOTES SHEET NO. J01
BOS. ENG. NO. 104604				
CALC. BOOK 7270				
DATE 02/2020				
HWY. 131 M.E. 740	CONTR. TILLAMOOK	DESIGNED BY SEAN WHITE	CHECKED BY MARK LUDBY	DATE 02/2020

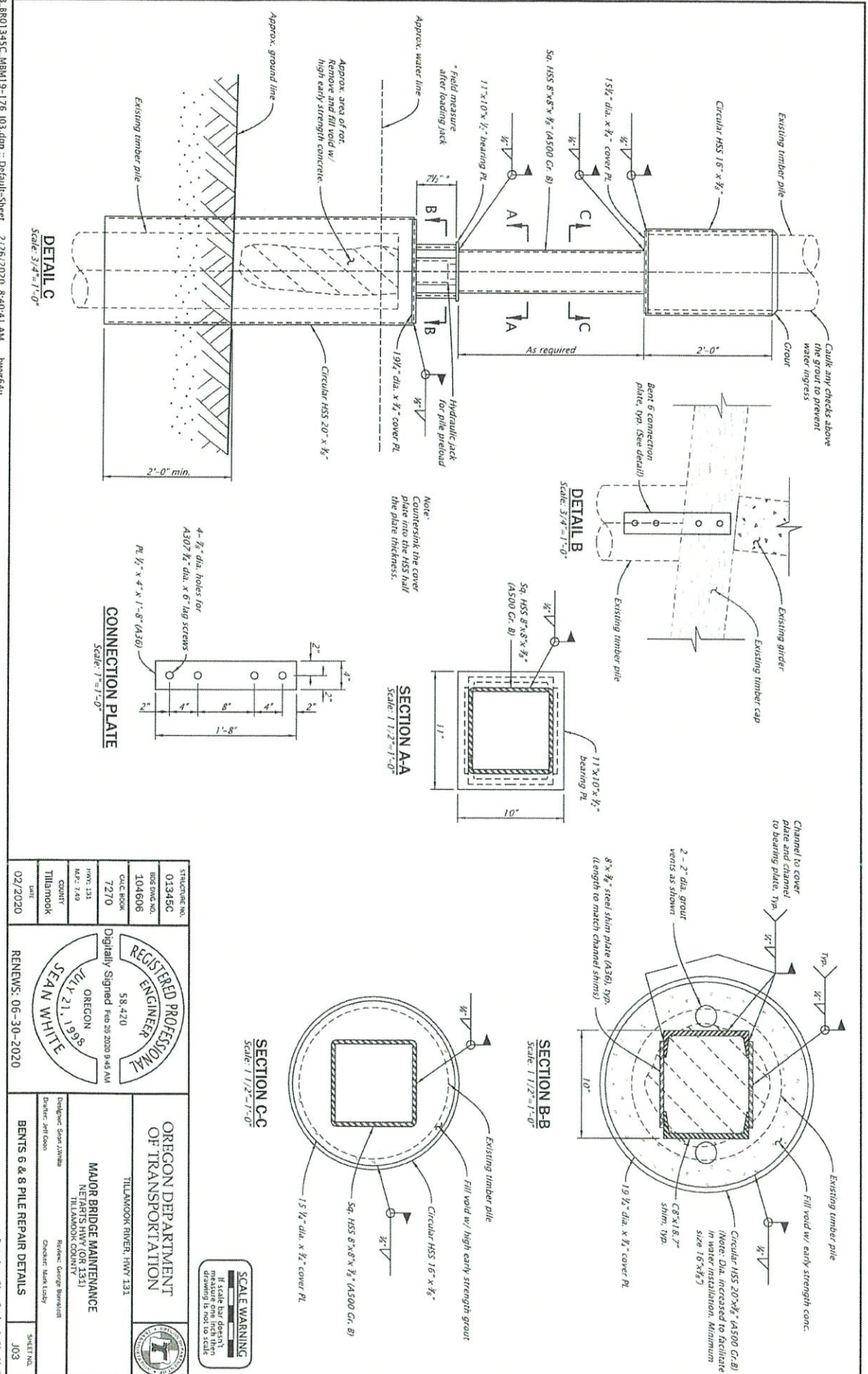


- PILE REPAIR GENERAL NOTES (Bents 6 & 8 similar)**
- Traffic control must be in place as noted prior to proceeding with step 3.
 - Drill the portion of exposed pile to verify that a 2" (minimum) solid timber shell remains.
 - If there is less than a 2" solid shell remaining, contact the engineer of record.
 - At Bent 6, install connection plate (see DETAIL B, Sheet J03) and temporary transverse bracing.
 - Cut and remove a portion of existing timber pile as shown.
 - Use a chainsaw to cut the pile to a minimum 2' minimum into stream bed.
 - Ramp water out from inside of steel pipe pile.
 - Remove all of the remaining rotten timber core. Treat remaining timber with borate rod or copper naphthenate from OPL.
 - Fill voids with high early strength concrete. Use steel rod to ensure proper consolidation. Leave a gap to facilitate welding of cover plate.
 - Field weld cover plate in place.
 - Use grout tents to complete the pour. Wait for concrete strength to reach 2500 psi before preloading pile.
 - Field weld upper steel pile casing and shore in place.
 - Field weld square HSS pile to upper steel pile splice.
 - Set 20 ton hydraulic jack between bearing plates and preload the pile, see table.
 - Field measure, cut, and weld in place channel shims. Ensure tight fit with good bearing.
 - Unload and remove hydraulic jack.
 - Field weld 3/8" shim plates. Plates shall be same height as channel shims.
 - Grout void between upper steel pile casing and timber pile with non-shrink grout. Slope top of grout to shed water away from timber.

Bent No.	Pile No.	(lbs)	(kN)
6	3	25,000	6,300
8	2	25,000	6,300
8	4	25,000	6,300

SCALE WARNING
 If scale bar doesn't
 match drawing is not to scale

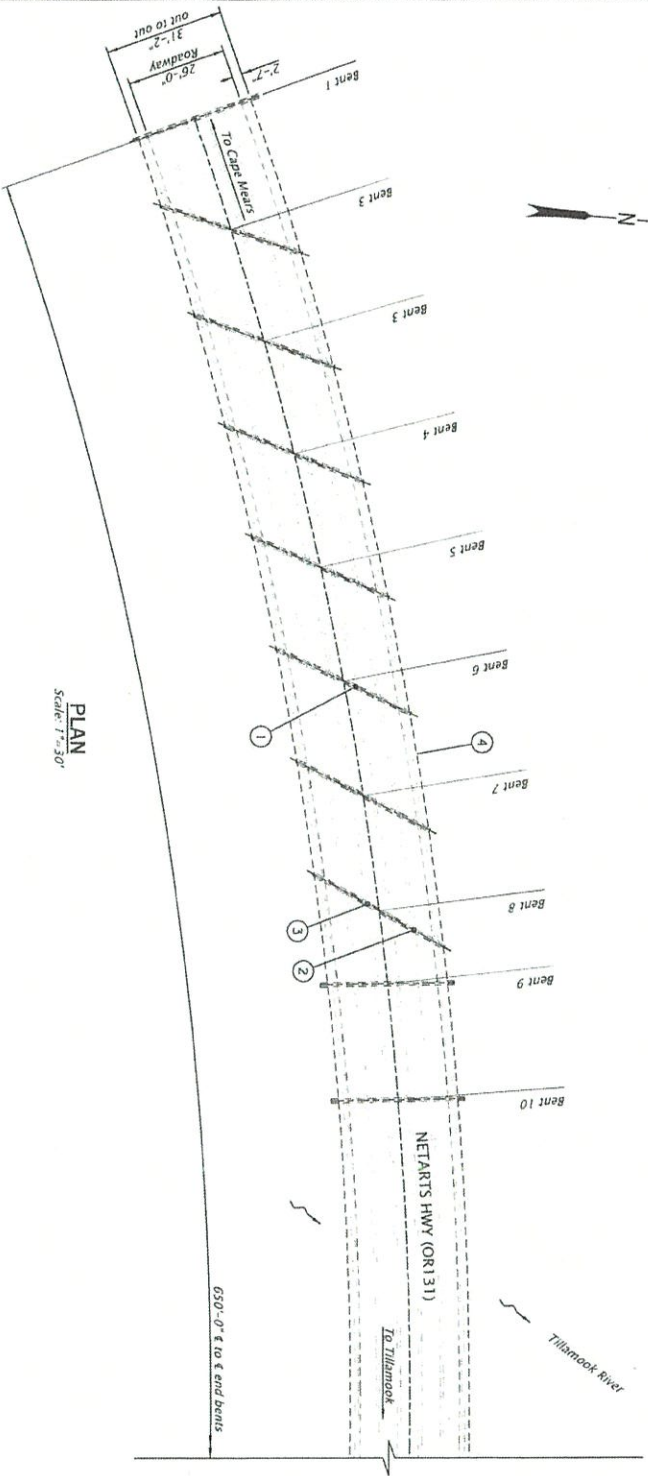
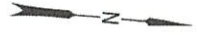
STRUCTURE NO. 01345C	REG. NO. 58,420		OREGON DEPARTMENT OF TRANSPORTATION TILLAMOOK RIVER, HWY 131 MAJOR BRIDGE MAINTENANCE NEAR STATION 131 TILLAMOOK COUNTY
BOE ENG. NO. 104605	DATE ISSUED 72710		
HWY. 131 M.P. 7.49	CONTRACT Tillamook	DESIGNED: SEAN WHITE	Checked: George Brumback
DATE 02/2020	REVISIONS: 06-30-2020	ENGINEER: SEAN WHITE	Checked: Brian Luby
		BENTS 6 & 8 PILE REPAIR	SHEET NO. J02



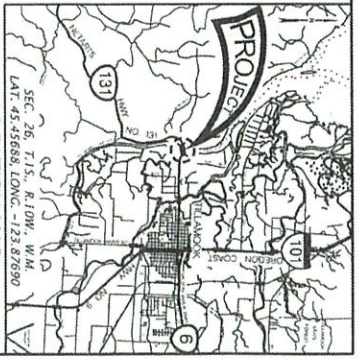
B:BR013455-C:\BHM19-176-103.dgn :: Detail-Sheet 2/26/2020 8:40:41 AM hwy654u

STRUCTURE NO.	013455C		REGISTERED PROFESSIONAL ENGINEER SEAN WHITE OREGON No. 58,420 Expires July 21, 2021
BOS. DIV. NO.	104606		
CDC BOOK	7210		
HOW. 131	M.P.: 749		
COUNTY	TILLAMOOK	OREGON DEPARTMENT OF TRANSPORTATION TILLAMOOK RIVER, HWY 131 MAJOR BRIDGE MAINTENANCE NE PARTS HWY (OR 131) TILLAMOOK COUNTY	
DATE	02/20/20	REVISIONS: 06-30-2020	Designer: Sean White Checker: Matt Luby BENTS 6 & 8 PILE REPAIR DETAILS
SHEET NO. J03		Ration: 0" Scale: 1/8"=1'-0"	

SCALE WARNING
 If scale bar doesn't measure one inch then drawing is NOT TO SCALE



PLAN
Scale: 1" = 30'



GENERAL NOTES:

- Provide all materials and perform all work according to the Oregon Standard Specifications for Construction 2015.
- Repair designs in accordance with the Seventh Edition of the 2014 AASHTO LRFD Bridge Design Specifications and ODOT BDM with the following Live Loads:
- Strength II Limit State:
 ODOT Type 57P-40 Permit Truck
 ODOT Type 57P-4E Permit Truck
 ODOT Type 57P-58W Permit Truck
- For No Live Load, Strength IV Limit State.
- Provide ASTM A36 structural steel unless specified on plans.
- Produce welds according to the latest edition of AWS D1.1.
- Provide fasteners according to ASTM A307 Gr. A, unless otherwise specified on plans. Hot-dip galvanize after fabrication.

WORK ITEMS:

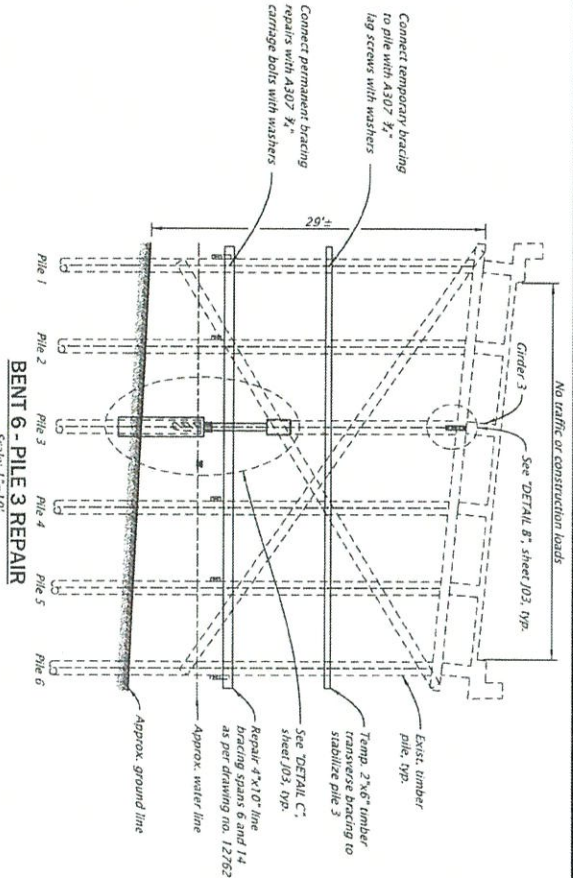
- 1 Repair Bent 6 Pile 3, see sheet J02.
- 2 Repair Bent 8 Pile 2, see sheet J02.
- 3 Repair Bent 8 Pile 4, see sheet J02.
- 4 Repair live bracing, spans 6 and 14.

STRUCTURE NO.	01345C
REG. ENG. NO.	104604
DATE	02/2020
DATE	02/2020
REG. ENG. NO.	58,420
DATE	JULY 21, 1998
DATE	RENEWS: 06-30-2020
DATE	SEAN WHITE

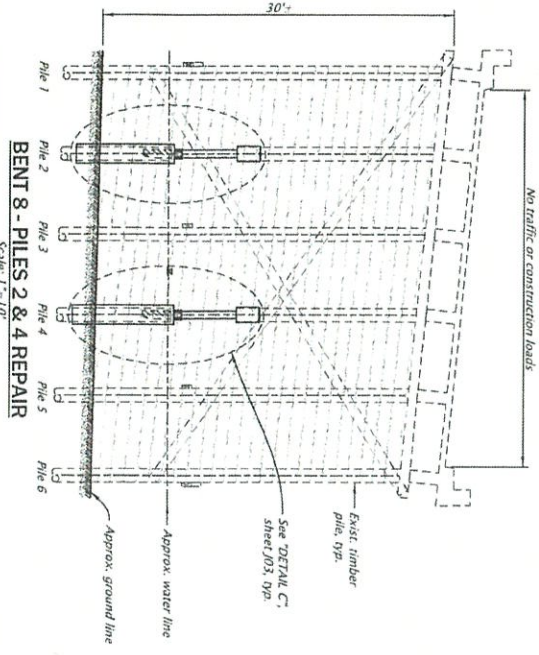
REGISTERED PROFESSIONAL ENGINEER
 SEAN WHITE
 JULY 21, 1998
 OREGON
 58,420
 RENEWS: 06-30-2020

OREGON DEPARTMENT OF TRANSPORTATION
 TILLAMOOK RIVER HWY 131
 MAJOR BRIDGE MAINTENANCE
 NETARTS HWY (OR 31)
 TILLAMOOK COUNTY

PLAN AND GENERAL NOTES
 SHEET NO. J01



BENT 6 - PILE 3 REPAIR
Scale: 1"=10'



BENT 8 - PILES 2 & 4 REPAIR
Scale: 1"=10'

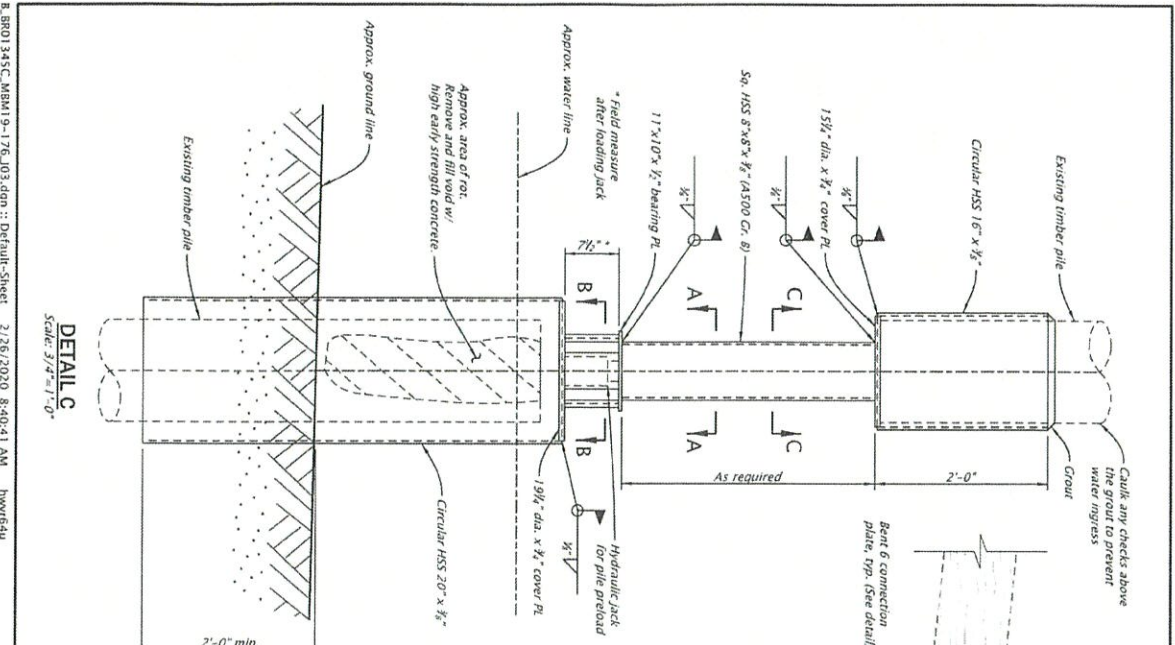
PILE REPAIR GENERAL NOTES (Items 6 & 8 similar)

1. Traffic control must be in place as noted prior to proceeding with step 3.
2. Drill the portion of exposed pile to verify that a 2" (minimum) solid timber shell remains.
-If there is less than a 2" solid shell remaining, contact the engineer of record.
3. At Bent 6, install connection plate (see 'DETAIL B', sheet J03) and temporary transverse bracing.
4. Cut and remove a portion of existing timber pile as shown.
5. Place oversized steel pipe pile over existing timber and use hydraulic rammer to seat pipe pile.
6. Pump water out from inside of steel pipe pile.
7. Remove all of the remaining rotten timber core. Treat remaining timber with borate rod or copper naphthenate from GPR.
8. Fill voids with high early strength concrete. Use steel rod to ensure proper consolidation. Leave a gap to facilitate welding of cover plate.
9. Field weld cover plate in place.
10. Use grout vents to complete the pour. Wait for concrete strength to reach 2,500 psi before preloading pile.
11. Place upper steel pile splice over timber pile and shore in place.
12. Field weld square HSS pile to upper steel pile splice.
13. Set up hydraulic jack between bearing plates and preload the pile, see table.
14. Field measure, cut, and weld in place channel shims. Ensure tight fit with good bearings.
15. Unload and remove hydraulic jack.
16. Field weld 3/8" shim plates. Plates shall be same height as channel shims.
17. Grout void between upper steel pile casing and timber pile with non-shrink grout. Slope top of grout to shed water away from timber.

Pile Preload Table (20 ton jack)			
Bent No.	Pile No.	(lbs)	(psi)
6	3	25,000	6,300
8	2	25,000	6,300
8	4	25,000	6,300

STRUCTURE NO.	013455C		REGISTERED PROFESSIONAL ENGINEER OREGON JULY 21, 2021 SEAN WHITE RENEWS: 06-30-2020
BOS. ENG. NO.	104605		
CYC. BROW.	72710	OREGON DEPARTMENT OF TRANSPORTATION TILLAMOOK RIVER, HWY 131 MAJOR BRIDGE MAINTENANCE NE PARTS HWY (OR 131) TILLAMOOK COUNTY	
HWY: 131		Designer: Sean White	Reviewer: George Barnhart
MAP: 740		Editor: Mark Cain	Checker: Mark Luby
CONTR:	Tillamook	BENTS 6 & 8 PILE REPAIR	
DATE:	02/2020		SHEET NO. J02

SCALE WARNING
If scale bar doesn't measure one from the drawing, then it's 250%



Scale: 3/4"=1'-0"

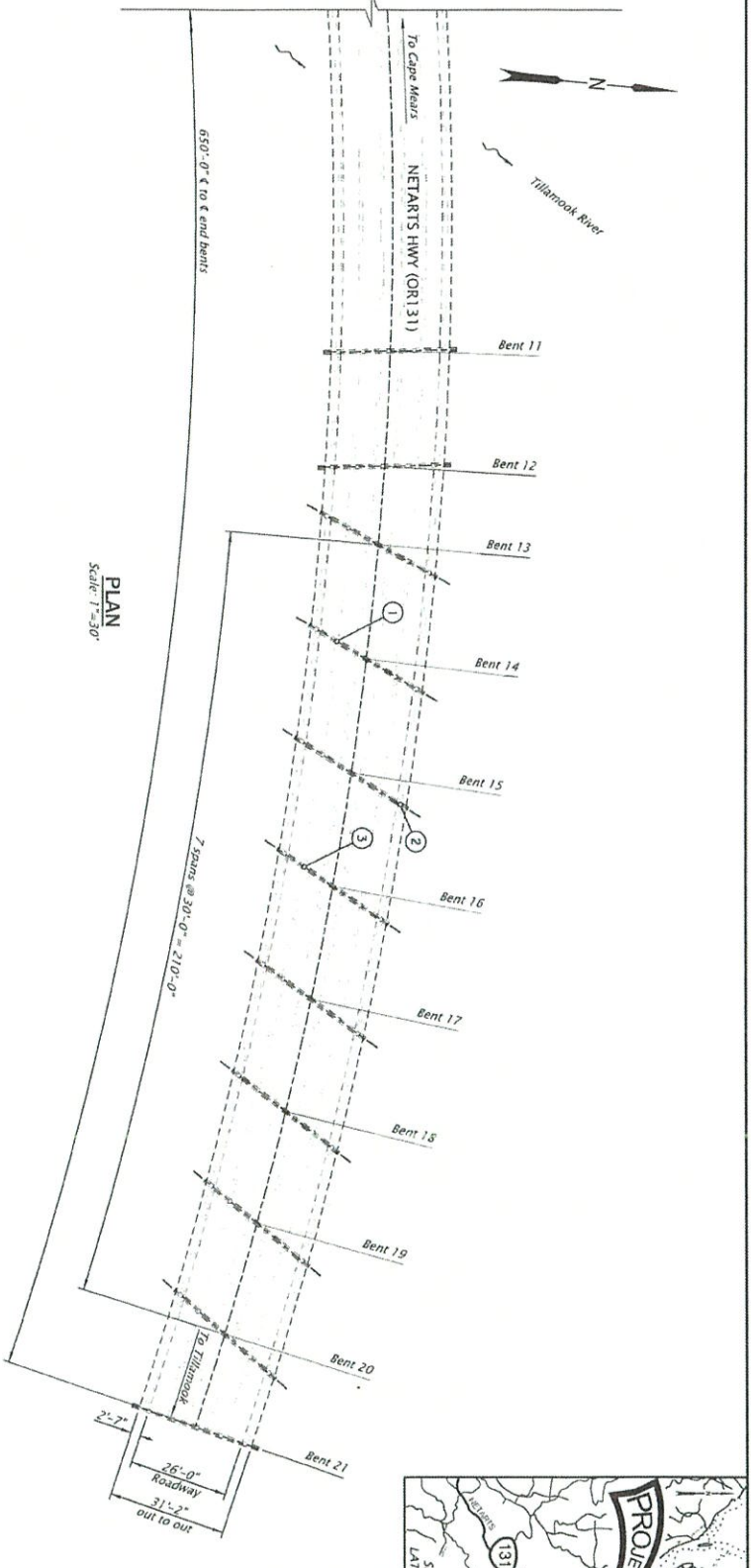
STRUCTURE NO.	01345C
BOS DWG NO.	104606
CALC BOOK	7270
DATE	02/20/20

REGISTERED PROFESSIONAL ENGINEER
 SEAN WHITE
 JULY 21, 1995
 58,420
 OREGON
 Digitally Signed Feb 20 2020 9:45 AM
 RENEWS: 06-30-2020

OREGON DEPARTMENT OF TRANSPORTATION
 TILLAMOOK RIVER, HWY 131
 MAJOR BRIDGE MAINTENANCE
 NE TILLAMOOK COUNTY
 TILLAMOOK, OREGON 97141

Designer: Sean White
 Checker: Mark Lutz
 BENTS 6 & 8 PILE REPAIR DETAILS
 SHEET NO. J03

SCALE WARNING
 If scale bar doesn't fit, drawing is not to scale



PLAN
Scale: 1"=30'

GENERAL NOTES

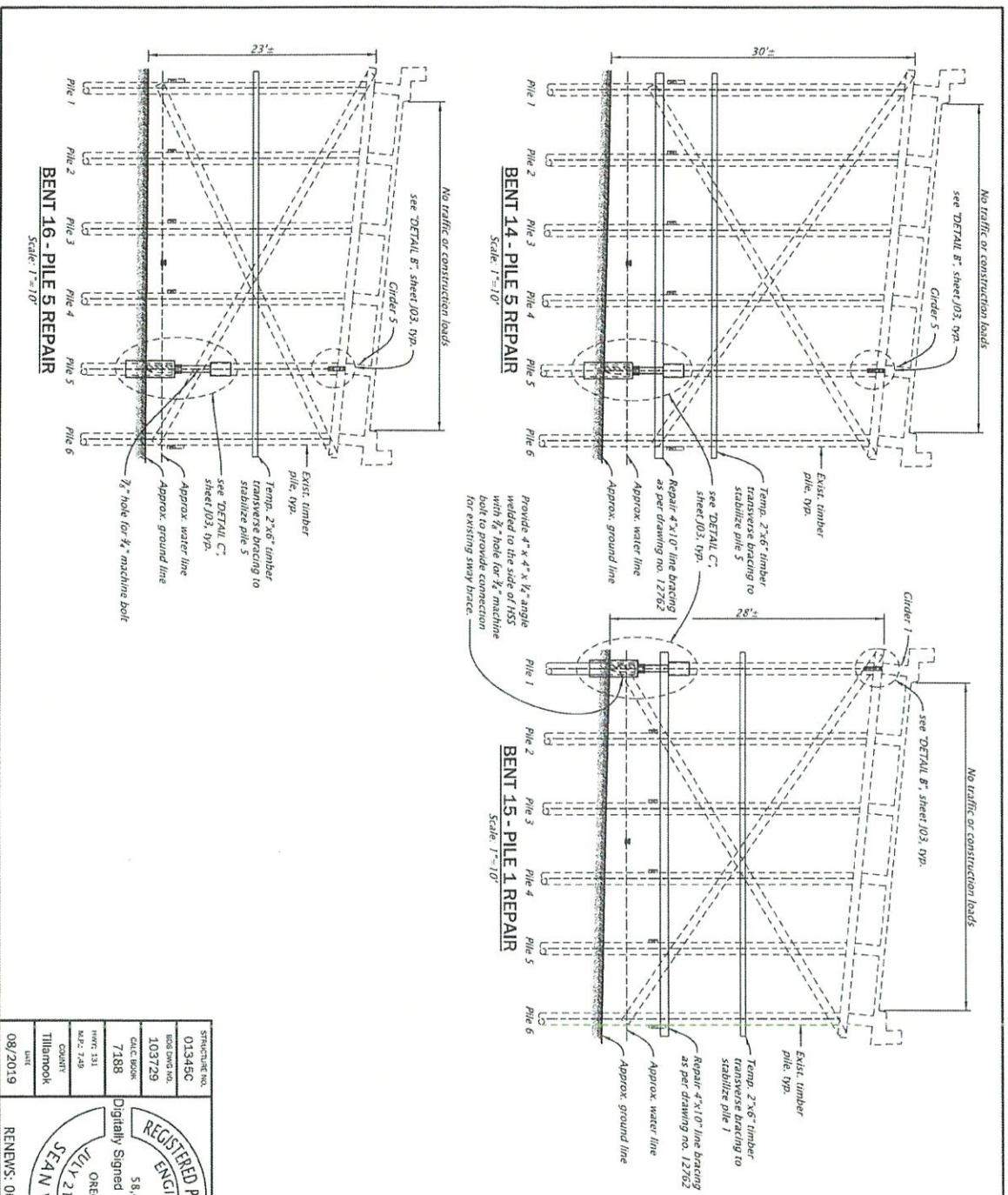
Provide all materials and perform all work according to the Oregon Standard Specifications for Construction 2018.
 Repair designed in accordance with the Seventh Edition of the 2014 AASHTO LRFD Bridge Design Specifications with the following Live Loads:
 Strength II Limit State
 ODOT Type STR-4D Permit Truck
 ODOT Type STR-4E Permit Truck
 ODOT Type STR-5BW Permit Truck
 Or, for No Live Load, Strength IV Limit State.
 Provide ASTM A36 structural steel unless specified on plans.
 Produce welds according to the latest edition of AWS D1.5.
 Provide fasteners according to ASTM A307 Gr. A, unless otherwise specified on plans. Hot-dip galvanize after fabrication.

WORK ITEMS

- 1 Repair Bent 14 Pile 5, see sheet J02.
- 2 Repair Bent 15 Pile 1, see sheet J02.
- 3 Repair Bent 16 Pile 5, see sheet J02.

SCALE WARNING
 If scale bar doesn't
 match drawing is not to scale

STRUCTURE NO.	01345C
BOS BOND NO.	103728
CALC. BOOK	7188
DATE	08/20/19
DATE	08/20/19
CONTRACT	Tillamook
REGISTERED PROFESSIONAL ENGINEER	SEAN WHITE
ORIG. DATE	04/21/1998
DIGITALLY SIGNED	Aug 14 2019 11:55 PM
RENEWALS	06-30-2020
OREGON DEPARTMENT OF TRANSPORTATION	MAJOR BRIDGE MAINTENANCE
TILLAMOOK RIVER, HWY 131	NETARIS HWY (OR131)
ENGINEER	SEAN WHITE
DESIGNED BY	SEAN WHITE
CHECKED BY	SEAN WHITE
DATE	08/20/19
PROJECT NO.	J01
SHEET NO.	J01
PLAN AND GENERAL NOTES	

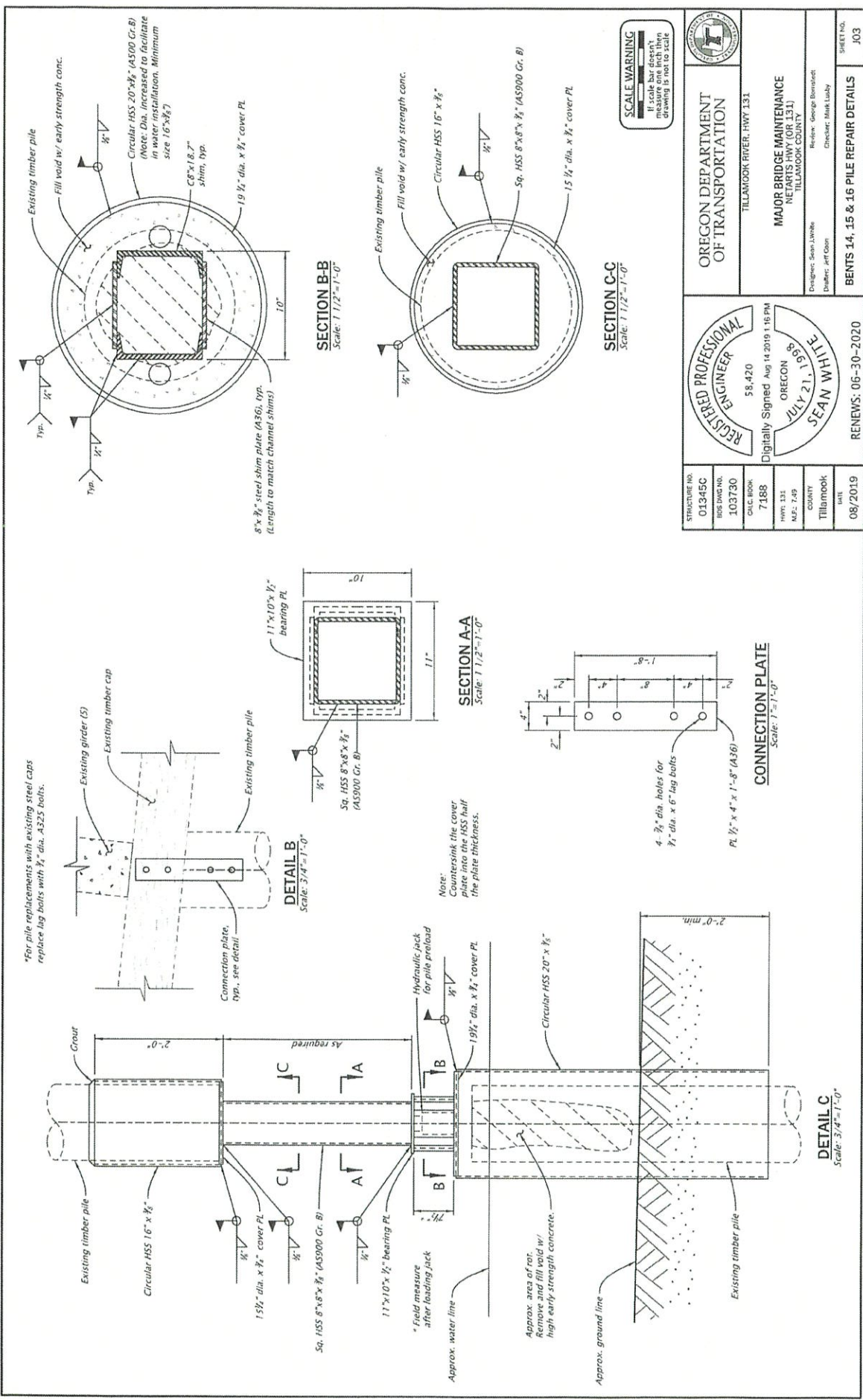


- PILE REPAIR GENERAL NOTES (Bents 14, 15, & 16 similar)**
- Traffic control must be in place as noted prior to proceeding with step 3.
 - Drill the portion of exposed pile to verify that a 2" (minimum) solid timber shell remains.
-If there is less than a 2" solid shell remaining, contact the engineer or record.
 - Install connection plate (see DETAIL B', sheet J03) and temporary
 - transverse bracing using timber pile as shown.
 - Place oversized steel pipe pile over existing timber and use hydraulic jack to embed 2" minimum into stream bed.
 - Pump water out from inside of steel pipe pile.
 - Remove all of the remaining rotten timber core. Treat remaining timber with borax rod or copper naphthenate from GPR.
 - Fill voids with high early strength concrete. Use steel rod to ensure proper consolidation. Leave a gap to facilitate welding of cover plate.
 - Field weld cover plate in place.
 - Install 2500 psi before preloading pile.
 - Place upper steel pile splice over timber pile and shore in place.
 - Field weld square HSS splice to upper steel pile splice.
 - Set 20 ton hydraulic jack between bearing plates and preload the pile, see table.
 - Field measure, cut, and weld in place channel shims. Ensure tight fit with good bearing.
 - Unload and remove hydraulic jack.
 - Field weld 3/8 shim plates. Plates shall be same height as channel shims.
 - Check void between steel pile and timber pile. Remove timber from remaining gap. Slope top of gravel to shed water away from timber.

Pile Preload Table (20 ton jack)			
Bent No.	Pile No.	(lbs)	(psi)
14	5	25,000	6,300
15	1	31,250	7,800
16	5	25,000	6,300

SCALE WARNING
 If scale bar doesn't match drawing is not to scale

STRUCTURAL NO.	01345C		MAJOR BRIDGE MAINTENANCE NEBERTS HWY/CR 131 TILLAMOOK COUNTY	SHEET NO. J02
ISSUE NO.	103729			
DATE	08/20/19	BENTS 14, 15 & 16 PILE REPAIR		RATION: 0' Scale: 1"=10'



SCALE WARNING
If scale bar doesn't fit, drawing is not to scale

STRUCTURE NO. 01245C	ISS. DATE 10/31/20	CALC. BOOK 7188	HWT: 131	COUNTY Tillamook	DATE 08/2019
103730			M.F.: 7-9		

REGISTERED PROFESSIONAL ENGINEER
58,420
Digitally Signed Aug 14 2019 1:16 PM
OREGON
JULY 21 1998
SEAN WHITE

RENEWALS: 06-30-2020

OREGON DEPARTMENT OF TRANSPORTATION
TILLAMOOK RIVER, HWY 131
MAJOR BRIDGE MAINTENANCE
TILLAMOOK COUNTY

Designer: Sean White
Checker: Mark Luby
SHEET NO. J03

BENTS 14, 15 & 16 PILE REPAIR DETAILS

Exhibit B: U.S Army Corps Application

U.S. Army Corps of Engineers (USACE)
APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT
 33 CFR 325. The proponent agency is CECW-CO-R.

Form Approved -
OMB No. 0710-0003
Expires: 02-28-2022

The public reporting burden for this collection of information, OMB Control Number 0710-0003, is estimated to average 11 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. PLEASE DO NOT RETURN YOUR APPLICATION TO THE ABOVE EMAIL.

PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and/or instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned. System of Record Notice (SORN). The information received is entered into our permit tracking database and a SORN has been completed (SORN #A1145b) and may be accessed at the following website: <http://dpcl.d.defense.gov/Privacy/SORNsIndex/DOD-wide-SORN-Article-View/Article/570115/a1145b-ce.aspx>

(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)

1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED	4. DATE APPLICATION COMPLETE
--------------------	----------------------	------------------	------------------------------

(ITEMS BELOW TO BE FILLED BY APPLICANT)

5. APPLICANT'S NAME First - Ronald Middle - Lee Last - Francis Company - Oregon Department of Transportation E-mail Address - Ronald.L.Francis@odot.state.or.us	8. AUTHORIZED AGENT'S NAME AND TITLE (agent is not required) First - Middle - Last - Company - E-mail Address -
6. APPLICANT'S ADDRESS: Address- 455 Airport Rd. SE, Building B City - Salem State - OR Zip - 97301 Country - US	9. AGENT'S ADDRESS: Address- City - State - Zip - Country -
7. APPLICANT'S PHONE NOS. w/AREA CODE a. Residence b. Business c. Fax	10. AGENTS PHONE NOS. w/AREA CODE a. Residence b. Business c. Fax

STATEMENT OF AUTHORIZATION

11. I hereby authorize, N/A to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.

SIGNATURE OF APPLICANT

DATE

NAME, LOCATION, AND DESCRIPTION OF PROJECT OR ACTIVITY

12. PROJECT NAME OR TITLE (see instructions) OR 131: Tillamook River Bridge Maintenance	
13. NAME OF WATERBODY, IF KNOWN (if applicable) Tillamook River (RM 0.9)	14. PROJECT STREET ADDRESS (if applicable) Address Rural - Mile Point 7.49 on OR 131 (Netarts Hwy.)
15. LOCATION OF PROJECT Latitude: °N 45.4568 Longitude: °W -123.8769	City - State- Zip-
16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (see instructions) State Tax Parcel ID ODOT ROW Municipality Section - 26 Township - 1S Range - 10W	

17. DIRECTIONS TO THE SITE

From Salem, Oregon travel west to MP 7.49 on the Netarts Highway (OR 131). The project area is located west of the US 101 and City of Tillamook, Tillamook County (see Figure 1).

The project area is located within Section 10 Waters (Tillamook River) with adjacent mud flats/salt marshes having no Aquatic Resources of Special Concern. The highest measured tide is 11.92' ('88 NAVD). The Tillamook River is not a Scenic Waterway, but has ESA species and is designated as EFH.

18. Nature of Activity (Description of project, include all features)

This ODOT maintenance project will repair 6 timber piles (within 5 bents) on the current serviceable structure (see Attachment A). The work entails splicing the timber piles, so that the rotten sections can be removed and repaired. This will be achieved by embedding a circular, steel tube approximately 2-feet below the ground surface. The 15 3/4" diameter steel sleeve would be then back-filled with concrete to serve as the base support for the repaired piles. Work below the highest measured tide includes pushing the steel tube into the ground with a hydraulic jack and removing mud. Fill is limited to concrete poured inside the steel tube. There is 4 ft.2 of discharge (concrete) per pile (total of around 24 ft.2 for the 6 piles). Volume impacts would be 1 cy per pile (around 6 cy for the 6 piles). Since the bents are in the river, a floating dock is needed to access the piles. The dock involves a non-treated wood frame with a plywood deck, which will be floated on the water during low tides. Access will be from the bridge with no causing no impacts to the adjacent mud flats/salt marshes. The project will take about 21-days to complete with approximate 3 hour shifts during the low tides.

19. Project Purpose (Describe the reason or purpose of the project, see instructions)

The purpose of the project is to repair failing bridge components to avoid load restrictions, while maintaining a safe highway system for the traveling public.

Note: The preferred ODFW IWWP period for the Tillamook Estuary is November 1st through February 15th. A variance request to complete work during the period of September 8th through September 30th of 2020 has been approved. The in-water work consists of isolating the wooden piles with preformed forms, de-watering the work areas, and pouring concrete around the compromised timbers.

USE BLOCKS 20-23 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

20. Reason(s) for Discharge

To maintain service of the bridge, rotten sections of timber piles must be repaired. The discharge is limited to concrete poured into steel tubes to serve as a structural based to support the bridge girders and deck. In all, there is 4 ft.2 of fill per pile (total of around 24 ft.2 for the 6 piles). Volume impacts would be 1 cy per pile (around 6 cy).

21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards:

Type Amount in Cubic Yards	Type Amount in Cubic Yards	Type Amount in Cubic Yards
6		

22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)

Acres <0.1 acre
or
Linear Feet

23. Description of Avoidance, Minimization, and Compensation (see instructions)

The project will repair rotten timber piles, which will not result in modifications that changes the character, scope, or size of the existing structure. To minimize ground disturbance, a floating dock would be used to place the steel tube and repair the piles. All staging and construction materials will be on the existing bridge. Construction of the project will occur in one season during the extended ODFW in-water work period to minimize disturbances. To avoid inadvertent discharges, erosion control features will be used during construction. Compensation mitigation will not be needed due the negligible loss of Waters of the US.

24. Is Any Portion of the Work Already Complete? Yes No IF YES, DESCRIBE THE COMPLETED WORK

25. Addresses of Adjoining Property Owners, Lessees, Etc., Whose Property Adjoins the Waterbody (if more than can be entered here, please attach a supplemental list).

a. Address- Leslie & Ellis Martinez, P.O. Box 15295

City - Rio Rancho State - CA Zip - 87174

b. Address- Tilla Bay Farms, 40 Fenk Rd. W.

City - Tillamook State - OR Zip - 97141

c. Address- Eric & Loretta Peterson, 105 Bay Ocean Rd.

City - Tillamook State - OR Zip - 97141

d. Address-

City - State - Zip -

e. Address-

City - State - Zip -

26. List of Other Certificates or Approvals/Denials received from other Federal, State, or Local Agencies for Work Described in This Application.

AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED
NMFS	Slopes	NWR-2013-9717	April 2019	June 19th, 2020	N/A
Tillamook County	LUCS		April 2019	June 2020	N/A
SHPO	106 Clearance		April 2019	June 16th, 2020	N/A

* Would include but is not restricted to zoning, building, and flood plain permits

27. Application is hereby made for permit or permits to authorize the work described in this application. I certify that this information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant

Ron Francis

2/23/2023

SIGNATURE OF APPLICANT

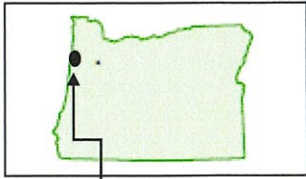
DATE

SIGNATURE OF AGENT

DATE

The Application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.



Project Location: Rural Tillamook County, OR

OR 131: Tillamook River Bridge Maintenance

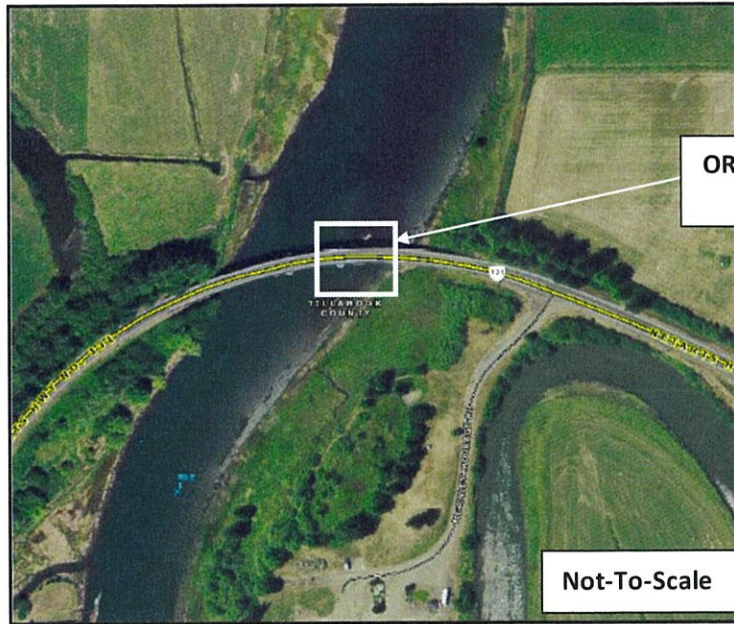
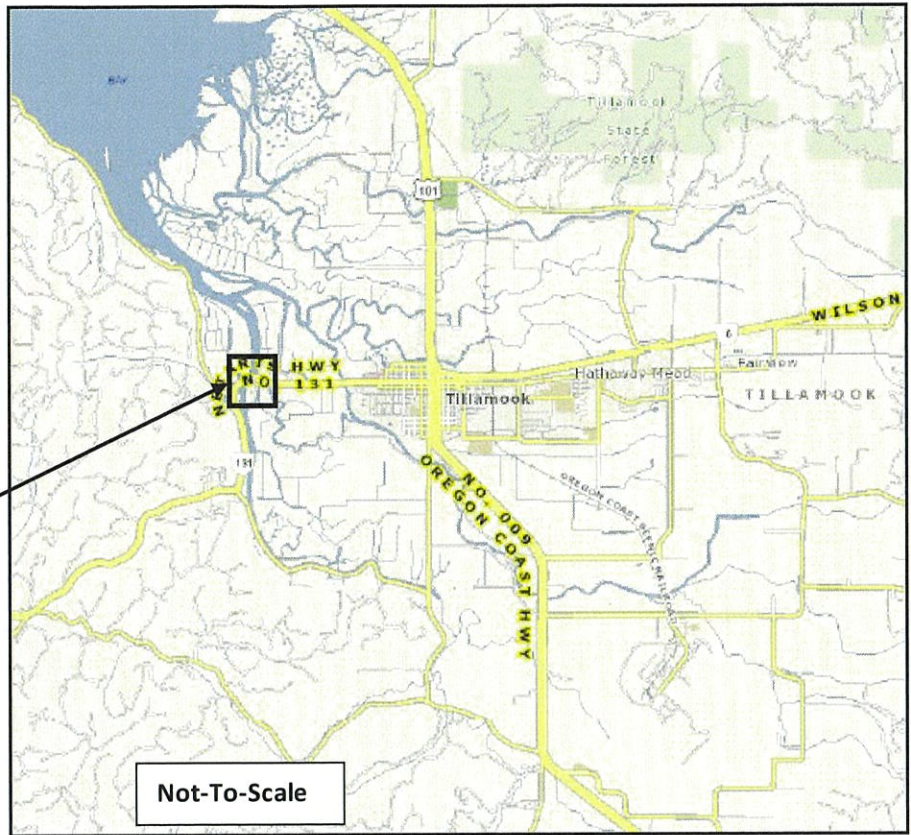


FIGURE 1
Vicinity and Aerial Photograph

OR 131: TILLAMOOK RIVER BRIDGE MAINTANENCE
RURAL TILLAMOOK RIVER COUNTY OREGON



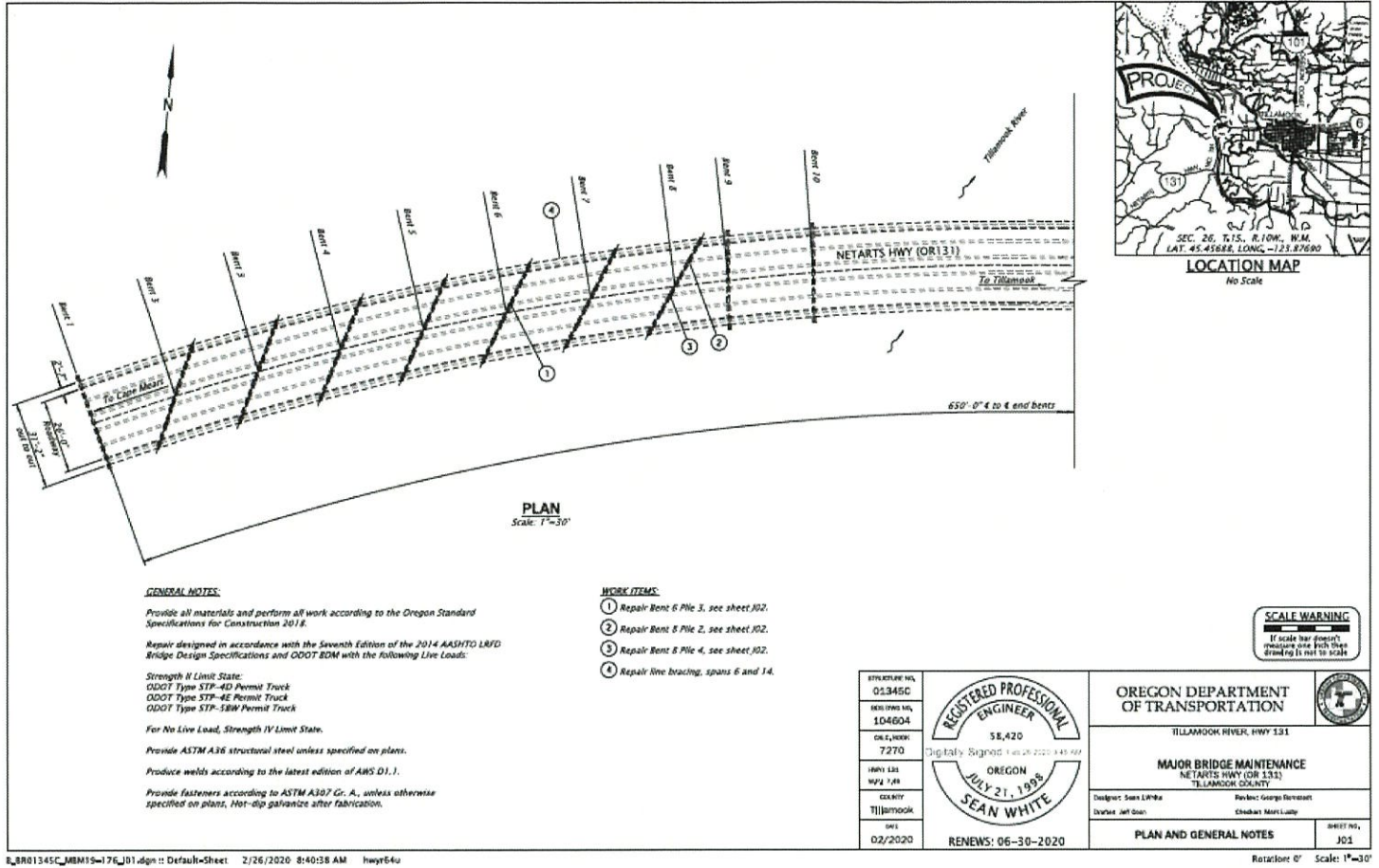
SOURCE: ODOT GPS, 2020

DATE: June 2020

Re-submitted Feb. 2023

ATTACHMENT A
Project Plan Sheets, Details, and Site Photographs

OR 131: TILLAMOOK RIVER BRIDGE MAINTENANCE
RURAL TILLAMOOK RIVER COUNTY OREGON



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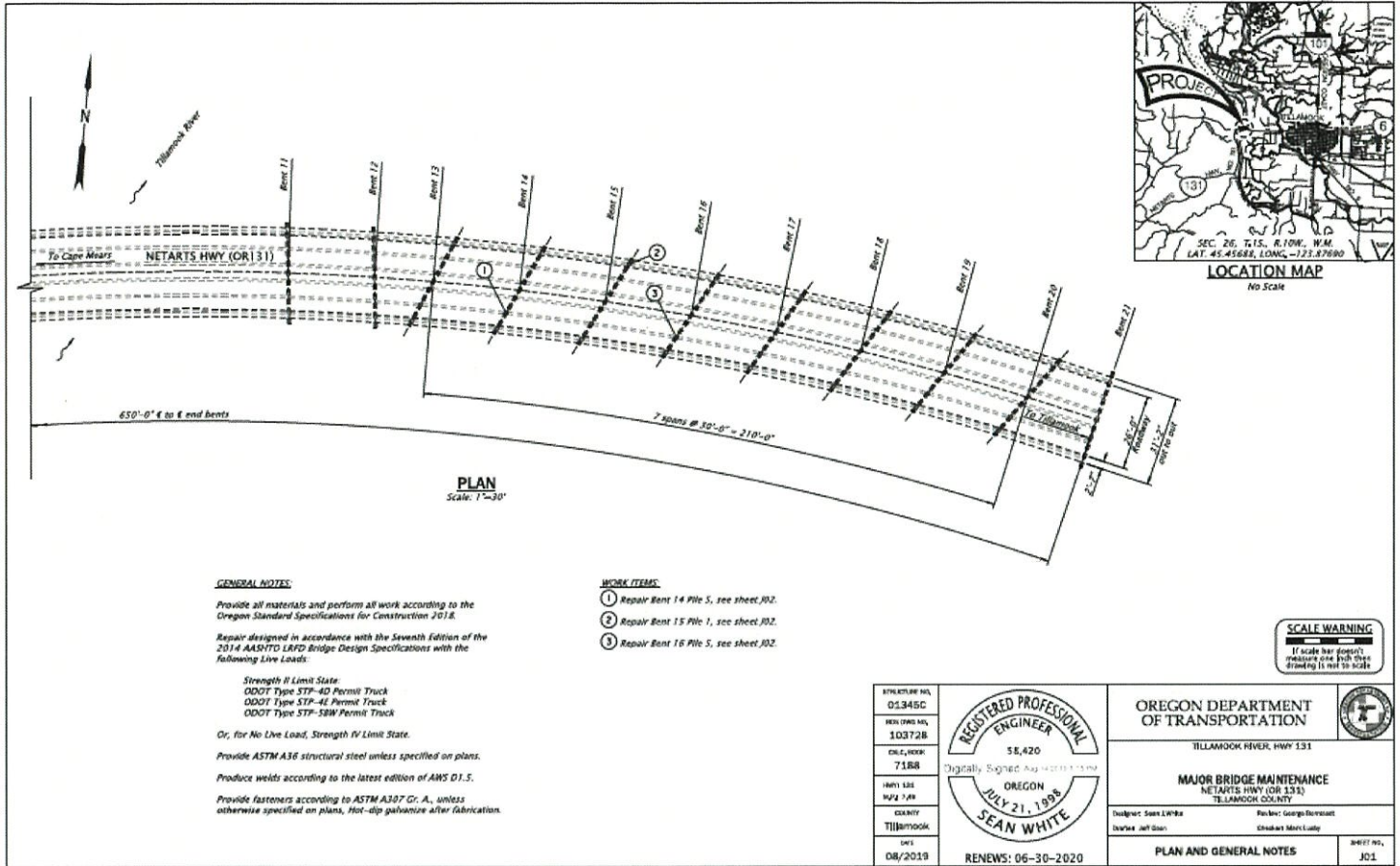
Rotation: 0° Scale: 1"=30'



Photo shows the timber trestle substructure extending into the Tillamook River. Here, three piles will be repaired within Bents 6 and 8.

Project Plan Sheets, Details, and Site Photographs

OR 131: TILLAMOOK RIVER BRIDGE MAINTENANCE RURAL TILLAMOOK RIVER COUNTY OREGON



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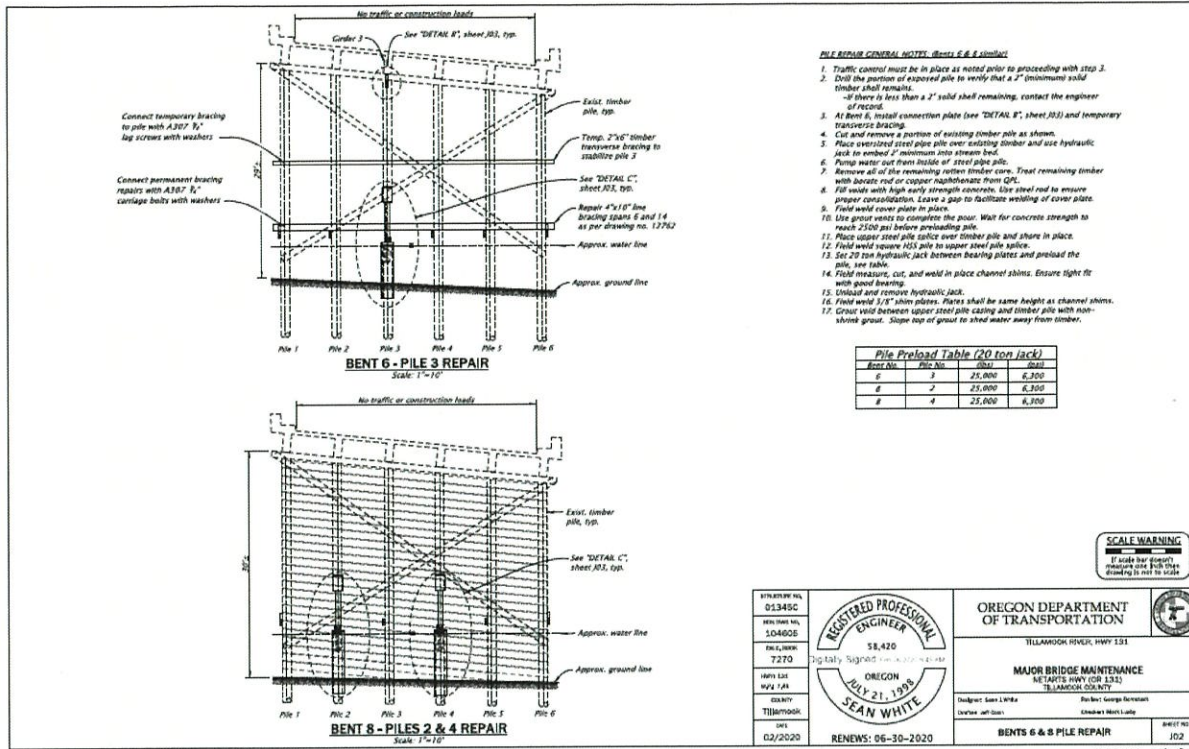
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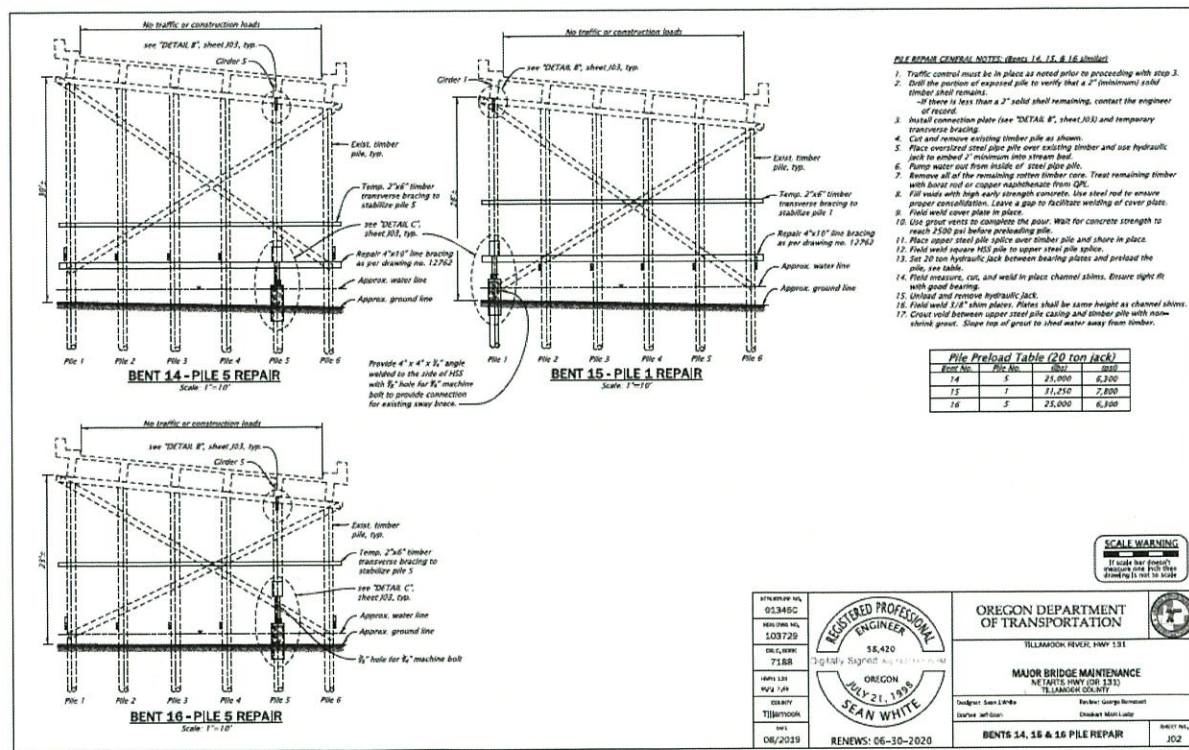
Photo shows the timber trestle substructure from the bridge abutment. Here, three piles will be repaired within Bents 14, 15, & 16. In total, 6 piles will be repaired.

Project Plan Sheets, Details, and Site Photographs

OR 131: TILLAMOOK RIVER BRIDGE MAINTENANCE RURAL TILLAMOOK RIVER COUNTY OREGON



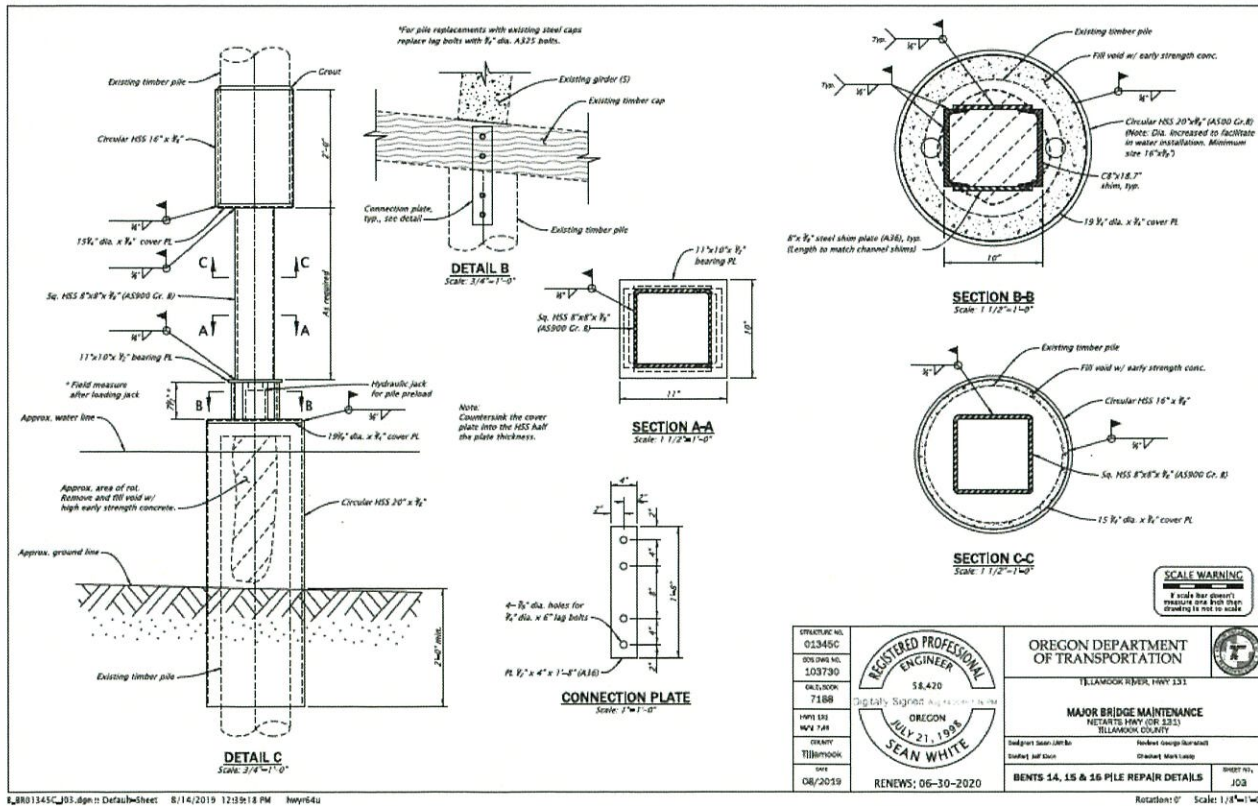
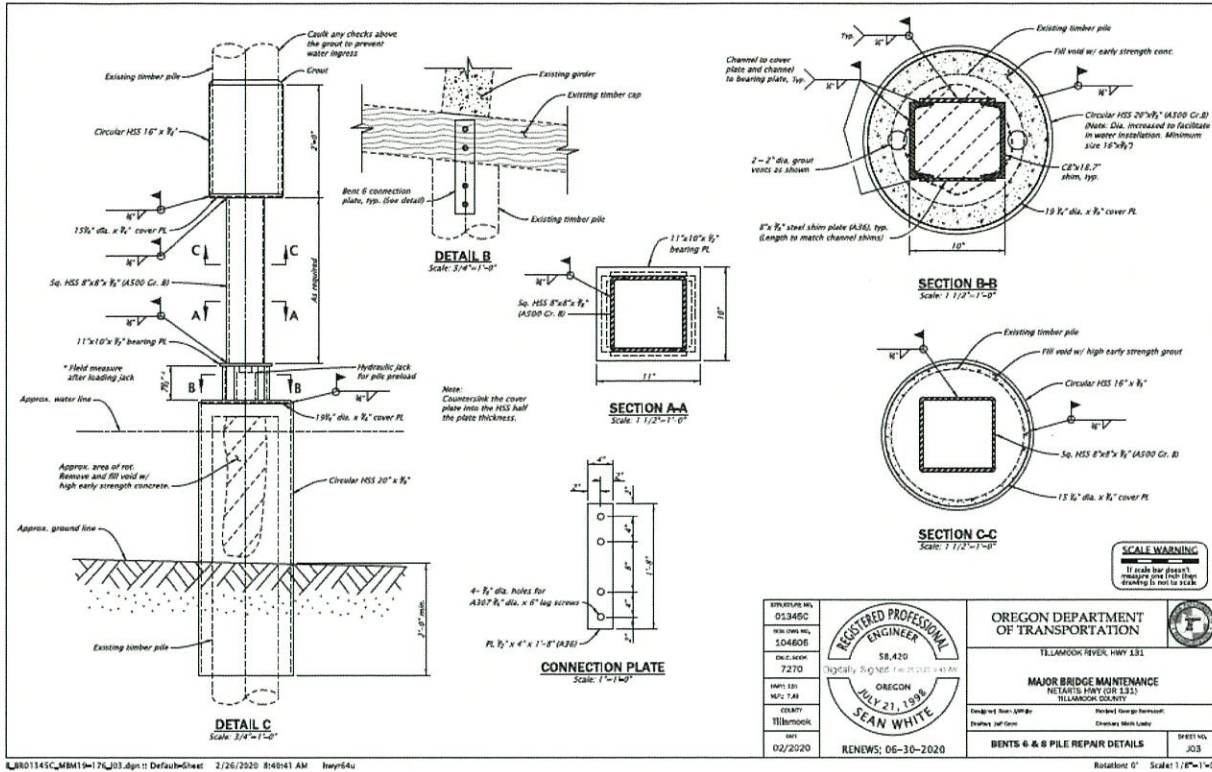
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Project Plan Sheets, Details, and Site Photographs

OR 131: TILLAMOOK RIVER BRIDGE MAINTENANCE RURAL TILLAMOOK RIVER COUNTY OREGON



ATTACHMENT B
SLOPES Documentation

OR 131: TILLAMOOK RIVER BRIDGE MAINTANENCE
RURAL TILLAMOOK RIVER COUNTY OREGON

ACTIONIMPLEMENTATION FORM

1. Action Notification

DATE OF REQUEST:	6/19/2020	NMFS TRACKING #: NWR-2013-9717	
TYPE OF REQUEST:	<input checked="" type="checkbox"/> ACTION NOTIFICATION (NO APPROVAL) <input type="checkbox"/> ACTION NOTIFICATION (APPROVAL REQUIRED)		
Statutory Authority:	<input type="checkbox"/> ESA ONLY <input type="checkbox"/> EFH ONLY <input checked="" type="checkbox"/> ESA & EFH COMBINED		
Lead Action Agency:	Corps of Engineers		
Action Agency Contact:	Corissa Anderson-Horvath	Corps Action ID #:	
Applicant:	Oregon Department of Transportation	Individual DSL Permit #:	
Project Name:	OR:131 Tillamook River Bridge Repairs		
6th Field HUC & Name:	Lower Tillamook River - 171002030302		
Latitude & Longitude (in signed degrees format: DDD.dddd)	45° 27' 24.7973" N -123° 52' 34.2129" W		
Proposed Construction Period:	<i>Start Date:</i>	9.8.2020	<i>End Date:</i> 9.30.2020
Proposed Length of Channel and/or Riparian Modification in linear feet:	Repairing bridge bents and no modification to channel		
Proposed Area of Herbicide Application in acres:	0		

Project Description:

Type of Action:

The Oregon Department of Transportation (ODOT) proposes to make repairs to a bridge across the Tillamook River located at Milepost 7.5 on OR131 (Netarts Highway) west of the city of Tillamook. The project area is located within Section 10 Waters (Tillamook River) with adjacent mud flats/salt marshes having no Aquatic Resources of Special Concern. The highest measured tide is 11.92' ('88 NAVD). The Tillamook River is not a Scenic Waterway, but has ESA species and is designated as EFH. This is a state-funded bridge repair project. The project proposes to repair six piles (on five bents) and bracing on two spans. Repair of the piles will require placing a 15 1/4 inch steel sleeve over the existing piling and embedding the sleeve about 2' into the river bed. The void between the steel sleeve and the piling will be filled with concrete and grout. Ground disturbance will be limited to sinking the steel sleeve into the river bed using a hydraulic jack. Access to the river will be via a floating platform with equipment lowered from the bridge deck. All other access to the underside of the bridge will be on foot. Staging will be limited to previously improved areas, likely the along the old highway alignment on the east end of the Area of Potential Effects.

- The work will be completed using a small floating dock attached to the bridge. Tide cycles in the proposed time frame are favorable for isolating the piers during low tide cycles, and to keep the floating dock from becoming grounded. Tide cycles also limit the work window to 3-hours each day, resulting in the 3 week timeframe needed to finish this project.
- The proposed work will need to close the bridge to Hwy 131 traffic, and it is preferred this closure occurs after Labor Day to minimize impacts to local economy. The District 1 (North Coast Area) Manager does not want us to close roads during the tourist season Memorial Day to Labor unless it is an emergency. This is the normal every year but due to Covid 19 and the impact it has had on coastal businesses ODOT wants to be extra careful not to impact businesses.
- To avoid higher flows and potential storms commonly experienced during the preferred Winter IWWP, the proposed period would avoid challenges resulting from swells, wind, and potential concrete spills. Robert Bradley, North Coast Watershed, ODFW District Biologist has agreed on the In-Water Work Window (IWW) of September 8 to September 30 in water work window with the bellow stipulation. ODOT has agreed and will complete all stipulations.

ODFW Stipulations

ODFW approves your request for an in-water variance to conduct work on the Hwy 131 bridge over the Tillamook River from Sept. 8-30, 2020, subject to the following conditions:

1. *The contractor needs to be staged and ready to commence work on Sept. 8th. The project needs to start on time and proceed in a timely fashion to ensure completion within the requested window.*
2. *ODOT should coordinate with the Oregon State Marine Board, Tillamook County Parks, and the City of Tillamook to notify boaters of the work being conducted and any possible conflicts or hazards associated with the work barges, equipment, etc. At a minimum, notices should be posted at the Memaloose Boat Ramp, Carnahan Park (5th St) Boat Ramp, and the Burton Bridge Boat Ramp prior to the work period.*
3. *Provide this correspondence to all appropriate permitting agencies as needed.*

Describe project-specific criteria necessary to achieve the project purpose. Describe alternative sites and project designs that were considered to avoid or minimize impacts to the waterbody or wetland.

project-specific criteria necessary to achieve the project purpose: Repair of the piles will require placing a 15 ¼ inch steel sleeve over the existing piling and embedding the sleeve about 2' into the river bed. The void between the steel sleeve and the piling will be filled with concrete and grout. Ground disturbance will be limited to sinking the steel sleeve into the river bed using a hydraulic jack. Access to the river will be via a floating platform with equipment lowered from the bridge deck. All other access to the underside of the bridge will be on foot. Staging will be limited to previously improved areas, likely the along the old highway alignment on the east end of the Area of Potential Effects.

No Build: The bridge would become weight limited and eventually would need to be closed. This would be devastating to the people who use the road along with businesses in the area. A No Build alternative; however, would result in a continuation of current land conditions with no impacts to the River.

Replace Bridge: The bridge would cost millions of dollars to replace and would take years to get a design complete and the bridge built. The bridge is able to be repaired so this is the least impact to environment and traveling public.

Alternative Designs: Avoidance and Minimization Measures: The project is designed to meet operational/safety goals and to minimize environmental impacts. The only fix is to repair the bents and this is the design standard.

Identify the type of action proposed.

Actions Requiring **No Approval** from NMFS:

- Natural Hazard Response
- Streambank and channel stabilization
- Road surface, culvert and bridge maintenance
- Utility line stream crossing

Actions Requiring **Approval** from NMFS:

- Pile installation
- Fish screen design for diversion >3 cfs
- Stormwater facilities
- New or upgraded stormwater outfalls
- Compensatory mitigation
- Alluvium placement in >50% channel bed or >25% of the bankfull cross sectional area
- LW in >25% bankfull cross section of channel
- Vegetated riprap with large wood
- Engineered log jams
- Grade stabilization
- Road-stream crossing replacement or retrofit
- Fish passage restoration
- Restoration of a historic stream channel
- Blasting
- Earthwork at an EPA Superfund site, state-designated clean-up site, or the likely impact zone of a significant contaminant source
- Modification or variance of any requirement

NMFS Species/Critical Habitat Present in Action Area: Identify

the species found in the action area:

ESA Species

- | | | |
|--|--|--|
| <input type="checkbox"/> Upper Willamette River spring-run Chinook | <input checked="" type="checkbox"/> MCR steelhead | <input type="checkbox"/> Snake River sockeye |
| <input type="checkbox"/> Upper Willamette River steelhead | <input checked="" type="checkbox"/> UCR spring-run Chinook | <input type="checkbox"/> Oregon Coast coho |
| <input checked="" type="checkbox"/> Lower Columbia River Chinook | <input checked="" type="checkbox"/> UCR steelhead | <input type="checkbox"/> SONCC coho |
| <input checked="" type="checkbox"/> Lower Columbia River steelhead | <input type="checkbox"/> SR spring/summer run Chinook | <input checked="" type="checkbox"/> Green sturgeon |
| <input checked="" type="checkbox"/> Lower Columbia River coho | <input type="checkbox"/> SR fall-run Chinook | <input checked="" type="checkbox"/> Eulachon |
| <input checked="" type="checkbox"/> Columbia River chum | <input type="checkbox"/> SR steelhead | |

EFH Species

- Salmon, Chinook
- Salmon, coho
- Coastal Pelagics
- Groundfish

Terms and Conditions:

Check the Terms and Conditions from the biological opinion that will be included as conditions on the permit issued for this proposed action. Please attach the appropriate plan(s) for this proposed action.

<p>Administrative</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Electronic notification <input checked="" type="checkbox"/> Site assessment for contaminants <input checked="" type="checkbox"/> Action completion report <input checked="" type="checkbox"/> Site access <input checked="" type="checkbox"/> Salvage notice <input type="checkbox"/> Natural hazard response <p>General Construction Measures</p> <ul style="list-style-type: none"> <input type="checkbox"/> Flagging sensitive areas <input type="checkbox"/> Temporary erosion controls <input type="checkbox"/> Temporary access roads <input checked="" type="checkbox"/> Fish passage criteria <input checked="" type="checkbox"/> In-water work period <input checked="" type="checkbox"/> Work area isolation <input checked="" type="checkbox"/> Capture and release <input checked="" type="checkbox"/> Electrofishing <input type="checkbox"/> Construction water <input type="checkbox"/> Dust abatement <input type="checkbox"/> Fish screen criteria <input type="checkbox"/> Erosion/pollution control plan <input type="checkbox"/> Choice of equipment <input checked="" type="checkbox"/> Vehicle staging and use <input type="checkbox"/> Stationary power equipment <input type="checkbox"/> Work from top of bank <input type="checkbox"/> Site restoration <input checked="" type="checkbox"/> Turbidity monitoring 	<p>Natural Hazard</p> <ul style="list-style-type: none"> <input type="checkbox"/> Declaration <input type="checkbox"/> Contact NMFS <p>Road Maintenance/ Rehabilitation/ Replacement</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Road/culvert/bridge maintenance <input type="checkbox"/> Grade stabilization <input type="checkbox"/> Rock structures <input type="checkbox"/> Permanent stream-road crossing replacement <p>Stormwater Management Plan</p> <ul style="list-style-type: none"> <input type="checkbox"/> Design criteria <input type="checkbox"/> Low Impact Development <input type="checkbox"/> Water quality BMPs <input type="checkbox"/> Water quantity BMPs <input type="checkbox"/> Maintenance Plan <input type="checkbox"/> Monitoring and Reporting <p>Utility Stream Crossings</p> <ul style="list-style-type: none"> <input type="checkbox"/> Design criteria <p>Post-Construction Reporting</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Action Completion Report <input checked="" type="checkbox"/> Fish Salvage Report <input type="checkbox"/> Site Restoration/Compensatory Mitigation Report 	<p>Streambank/Channel Stabilization</p> <ul style="list-style-type: none"> <input type="checkbox"/> Alluvium placement <input type="checkbox"/> Large wood (LW) placement <input type="checkbox"/> Vegetated riprap with LW <input type="checkbox"/> Woody plantings <input type="checkbox"/> Herbaceous cover <input type="checkbox"/> Streambank shaping <input type="checkbox"/> Coir logs <input type="checkbox"/> Soil reinforcement <input type="checkbox"/> Engineered log jams <input type="checkbox"/> Floodplain flow spreaders <input type="checkbox"/> Fertilizer <input type="checkbox"/> Fencing <input type="checkbox"/> Filling scour hole <input type="checkbox"/> Slope stabilization with rock <p>Invasive and Non-native Plan Control</p> <ul style="list-style-type: none"> <input type="checkbox"/> Non-herbicide methods <input type="checkbox"/> Power equipment <input type="checkbox"/> Herbicide applicator qualifications <input type="checkbox"/> Transportation and safety plan <input type="checkbox"/> Approved herbicides <input type="checkbox"/> Approved herbicide adjuvants <input type="checkbox"/> Approved herbicide carriers <input type="checkbox"/> Approved herbicide application rates <input type="checkbox"/> Approved application methods <input type="checkbox"/> Minimize herbicide drift and leaching <input type="checkbox"/> Required no-spray buffer distances
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ATTACHMENT C

Section 106 Documentation

**OR 131: TILLAMOOK RIVER BRIDGE MAINTANENCE
RURAL TILLAMOOK RIVER COUNTY OREGON**




Oregon

Kate Brown, Governor

Department of Transportation
Highway Division/Technical Services
Geo-Environmental Section, MS#6
4040 Fairview Industrial Dr SE
Salem, OR 97302
Phone: (503) 986-3252
Fax: (503) 986-3249

Date: June 16, 2020 [AMENDED 6/18/20]

To: Corissa Anderson-Horvath
Region 2 Environmental Coordinator
Oregon Department of Transportation

From: Roy Watters 
ODOT Archaeologist

RE: **No Potential to Cause Effects Memo
Tillamook River Bridge Repair Project
T1S, R10W, Sec 26; Netarts Quadrangle
Tillamook County, Oregon
ODOT Key No. M19023**

The Oregon Department of Transportation (ODOT) proposes to make repairs to a bridge across the Tillamook River located at Milepost 7.5 on OR131 (Netarts Highway) west of the city of Tillamook (Project Area Map). This is a state-funded bridge repair project but will require a US Army Corps of Engineers (Corps) permit for in-water work and a NMFS/NOAA SLOPES permit. The project proposes to repair ~~three piles (on two bents)~~ six piles (on five bents) and bracing on two spans. Repair of the piles will require placing a 15 3/4 inch steel sleeve over the existing piling and embedding the sleeve about 2' into the river bed. The void between the steel sleeve and the piling will be filled with concrete and grout. Ground disturbance will be limited to sinking the steel sleeve into the river bed using a hydraulic jack. Access to the river will be via a floating platform with equipment lowered from the bridge deck. All other access to the underside of the bridge will be on foot. Staging will be limited to previously improved areas, likely the along the old highway alignment on the east end of the Area of Potential Effects (APE). The APE for the ODOT project is provided in the attached APE map, although the Corps generally limits their APE to the smaller jurisdictional area they permit.

A review of Oregon State Historic Preservation Office (SHPO) files revealed that two previously recorded archaeological sites are present within 1 mile of the project area. Site 35TI90 was a base camp for fishing and hunting activities and a manufacture site for related technology dated to between ca. 1,300 and 250 years b.p. (2012 Roulette, et. al), and is located approximately 1,200 meters east of the current project area. SHPO records also have a notation for the possible location of Camp West Tillamook - Oregon National Guard Camp [1913] just south of site 35TI90. In addition, SHPO records note the possible location of TOW-ER-QUOT-ONS SITE as per Le Gilson's map, located approximately 1,500 meters ENE of the current project area. The section of OR131 within the current project area was surveyed in 2011 for a proposed Tillamook

PUD transmission line (2011 Wilt) and again for proposed Verizon fiber optic line (2013 Finley) – neither survey identified any cultural resources.

Roy Watters, ODOT Archaeologist and Tribal Liaison, sent a project description, maps and the results of his site visit to the Confederated Tribes of the Grand Ronde Community of Oregon and the Confederated Tribes of Siletz Indians on June 2, 2020. No comments were received. Amended project descriptions were provided to the Confederated Tribes of the Grand Ronde Community of Oregon and the Confederated Tribes of Siletz Indians on June 18, 2020.

I visited the project area in April 2020. Ground visibility was limited due to vegetation, but again, no ground disturbance is expected outside of the river channel. No archaeological resources were observed.

Based upon proposed construction impacts, the project is unlikely to impact historic properties (archaeology) and no further work is recommended. ODOT's internal review of the proposed project resulted in the following determination: No Potential to Cause Effects.

If you have any questions, please contact Roy Watters, ODOT Archaeologist, at 503-986-3375, or roy.watters@odot.state.or.us.

References Cited

Finley, Aimee A.

2013 Results of a Cultural Resources Assessment of the Verizon Wireless Fiber Optic Cable – Cape Meares Route, Tillamook County, Oregon. AAR Report, No. 1170, Portland, Oregon.

Roulette, Bill R., Thomas E. Becker, Lucille E. Harris, and Erica D. McCormick

2012 Archaeological Investigations at Site 35TI90, Tillamook, Oregon. AAR Report, No. 686, Portland, Oregon.

Wilt, Julie

2011 Results of a Cultural Resources Investigation of the Proposed PUD Transmission Line Project, Tillamook County, Oregon. CH2MHill, Portland, Oregon.

Attachments

Tillamook River Bridge Repair Project Area Map

Tillamook River Bridge Repair APE Map

ATTACHMENT D

Land Use Compatibility Statement (Tillamook County)

**OR 131: TILLAMOOK RIVER BRIDGE MAINTENANCE
RURAL TILLAMOOK RIVER COUNTY OREGON**

ODOT Maintenance Project: Hwy 131 Tillamook River Hwy Bridge Maintenance

Land Use Compatibility Statement

Prepared for the Tillamook County, OR – April 23, 2020

The Oregon Department of Transportation (ODOT) has requested that Tillamook County (1) determine whether the above referenced project is consistent with the County's comprehensive plan, and (2) identify the land use approvals and development permits that will be required. The response is provided below. ¹

A. Consistency with comprehensive plan ²

- Project is consistent with comprehensive plan
- Project is not consistent with comprehensive plan

B. Land use approvals and development permits required

- Plan Amendment
- Zone Change
- Conditional Use Permit
- Development Permit
- Other Permits:
- None

(Please list in Comments)

Estuary + Floodplain Type II Development Permit

C. Comments

- 1. Development Regulated under TCUV Section 3.106 + Section*
- 2. EC1 zone requires review with standards per TCUV Section*
- 3. Estuary Development Permit is Type II Review per TCUV*
- * Area is tidally influenced + is not Floodway.*

D. Certification

Sarah Absher

Planning Manager/Director

Tillamook County

June 23, 2020

Date

** Consistency with CZMA may be required.
Please call DCO for Confirmation*

¹ This form was prepared by ODOT to comply with OAR 731-015. It may be modified by the responding local jurisdiction as they deem necessary. ODOT may present these findings to other regulatory agencies to satisfy the review requirements of those agencies.

² Projects identified in a locally-adopted Transportation System Plan are considered to be consistent with the comprehensive plan. (The TSP is an element of the comp plan.) Roadway maintenance and minor improvements, which are not typically identified in a TSP, are also considered to be consistent.

ATTACHMENT E

401 Certificate Request (Oregon Department of Environmental Quality)

JPA Attachment

Clean Water Act Section 401 Water Quality Certification Supplemental Information Requirements

1. Identify the project proponent(s) and a point of contact;

Oregon Department of Transportation (ODOT).
Ron Francis, ODOT Region 2 Wetland Specialist.

2. Identify the proposed project;

OR 131: Tillamook River Bridge Maintenance.

3. Identify the applicable federal license or permit;

USACE Nationwide Permit #3.

4. Identify the location and nature of any potential discharge that may result from the proposed project and the location of receiving waters;

Project Location: OR 131 at the Tillamook River Bridge (MP 7.49), 45.4568 & -123.8769

The purpose of this state highway project is to comply with recommended pier scour protection measures for the maintenance of existing bridges. Maintenance is proposed at this time, since replacement of the bridge could be 20 years or more due to its relative good condition and high performance rating. A bridge inspection report in 2014 cites 3-5-feet of scour exposing the columns. Based on the need, the design specifically focuses on scour repair at the existing structure. The project does not propose any upgrades to the bridge or highway section with no storm water requirements. A floating platform will be used to place the riprap into the 4 scour holes underneath the bridge.

The project will result in a discharge of fill material in the amount of 6 cubic yards to the Tillamook River located in the vicinity of 45.4568 & -123.8769.

The project **doesn't** include new impervious surfaces that will discharge treated storm water to the river.

5. Include a description of any methods and means proposed to monitor the discharge and the equipment or measures planned to treat, control, or manage the discharge:

Standard best Management Practices (BMP's) for erosion and sediment control will be installed to protect the water resource. To ensure their effectiveness, the erosion control items will be routinely inspected and maintained. A pollution control plan with onsite clean-up material will be provided by the contractor to reduce the risk of spills and leaks into the waterways. All heavy equipment shall be checked for fluid leaks, inspected, and cleaned prior to operating within 150 feet of the regulated work areas (ODOT Standard Specification 00290's). Specific BMP's to be utilized during construction of this project includes:

- Work during the ODFW summer in-water work window, as opposed to the typical winter months for estuaries. The in-water work extension was approved by ODFW, which provides a lower chance to affect listed fish species.
 - Follow all terms/conditions of the COE/DEQ permits and SLOPES.
 - Minimize vegetation removal to the maximum extent practicable.
 - Have additional erosion control materials (such as matting, biofilter bags, etc.) available onsite.
 - Comply with conditions of the ODOT's NPDES 1200CA permit.
 - Apply principles outlined in the ODOT Erosion Control Manual.
6. Include a list of all other federal, interstate, tribal, state, territorial, or local agency authorizations required for the proposed project, including all approvals or denials already received:

List other certificates or approvals/denials required or received from other federal, state or local agencies for work described in this application.		
Agency	Certificate / approval / denial description	Date Applied
DEQ	Section 401	February 2022 (expired March 2023)
FHWA	SLIOPES	April 2019 (approved)
SHPO	Section 106	April 2019 (approved)
Tillamook County	LUCS	April 2019 (approved)

7. Include documentation that a pre-filing meeting request was submitted to the certifying authority at least 30 days prior to submitting the certification request;

See below



Submittal Receipt

Department of Environmental Quality, State of Oregon

700 NE Multnomah Street, Suite 600 Portland, OR 97232-4100

Create Date: 1/3/2023

Submittal Summary

Submittal ID: 44221

Submittal: **(401) - 401 Dredge and Fill Supporting Materials**

Submitted By: **Ron Francis**

Email: Ronald.L.Francis@odot.oregon.gov

Submitted Date: **2023-01-03 08:01:01**

Form Detail

Submittal Name: **(401) - 401 Dredge and Fill Supporting Materials**

Submission Method: **Online**

Action Type: **New**

Payment Information

There is no payment due at this time.

Certification

Certification Statement: I **hereby certify that I am either the activities' owner or operator, or the owner's or operator's authorized representative.**

Certification Question: **What is the first and last name of your oldest sibling?**

Certification Question Answer: *********

PIN Number: *********

IP Address: **167.131.0.194**

Responsible Official: **Ron Francis**

8. The project proponent hereby certifies that all information contained herein is true, accurate, and complete to the best of my knowledge and belief.
9. The project proponent hereby requests that the certifying authority review and take action on this CWA 401 certification request within the applicable reasonable period of time.