Addendum #1

Clatsop County Public Works Department

Sunset Lake Rehabilitation Project

The Invitation to Bid for the Sunset Lake Bridge Rehabilitation Project has the following amendments:

- Revised Bid Schedule
- Existing Sunset Lake Bridge As-Built Drawings have been added to the ITB as Attachment A
- The Latest Bridge Inspection Report dated 4-30-2015 states that all piles are in good condition and has been added to the ITB as attachment B
- Sheet #3 has been amended to reflect the Design Traffic Loads for Temporary Support being a HS-20
- Sheet #4 weld notes added
- Sheet #7 has been revised to 8’ bellow mud line

Bid Schedule

Sunset Lake Bridge Rehabilitation – 2016

Item #	Description	Quantity	Unit Price	Total Price
1	Mobilization	Lump Sum		
2	Traffic control	Lump Sum		
3	Excavation of roadway and disposal of materials	460 CY		
4	Temporary construction walls installation and removal	Lump Sum		
5	Temporary bridge support system installation and removal	Lump Sum		
6	Bridge support system engineering	Lump Sum		
7	Steel pile sleeves installed	16 Pile		
8	H beam pile caps installed	70 LF		
9	Steel plate backwalls and “H” beam supports installed	920 SF		
10	Backfill and compact road prism	460 CY		
11	1-1/2” minus gravel delivered to site	500 Tons		
12	3/4" minus gravel delivered to site	100 Tons		
13	Asphalt Level 2, 1/2" HMAC base course installed	40 Tons		
14	Tack coat applied (.06gal/SY)	.05 Tons		
15	Plane and dispose of all existing asphalt from bridge deck surface	811 SY		
16	Shot Blast and clean concrete bridge deck, drains, curbs, sidewalks, and sidewalls interiors and tops	11387 SF		
17	Apply concrete sealer to curb, sidewalks, and sidewalls (product and application)	4100 SF		
18	Bridge joint seals installed (including curbs, sidewalks, and sidewalls)	382 LF		
19	Plug joint installed	66 LF		
20	Bridge deck primer and application	7296 SF		
21	Bridge deck membrane installed	7296 SF		
22	Bridge deck protection board installed	7296 SF		
23	Asphalt Level 2, 1/2" HMAC wearing course installed	140 Tons		
24	Erosion control devices and application	Lump Sum		
25	Sediment control devices and application	Lump Sum		
26	Asphalt level 2 ACP (ADA sidewalk ramps) installed	4 Tons		
27	Geogrid Installed	167 SY		

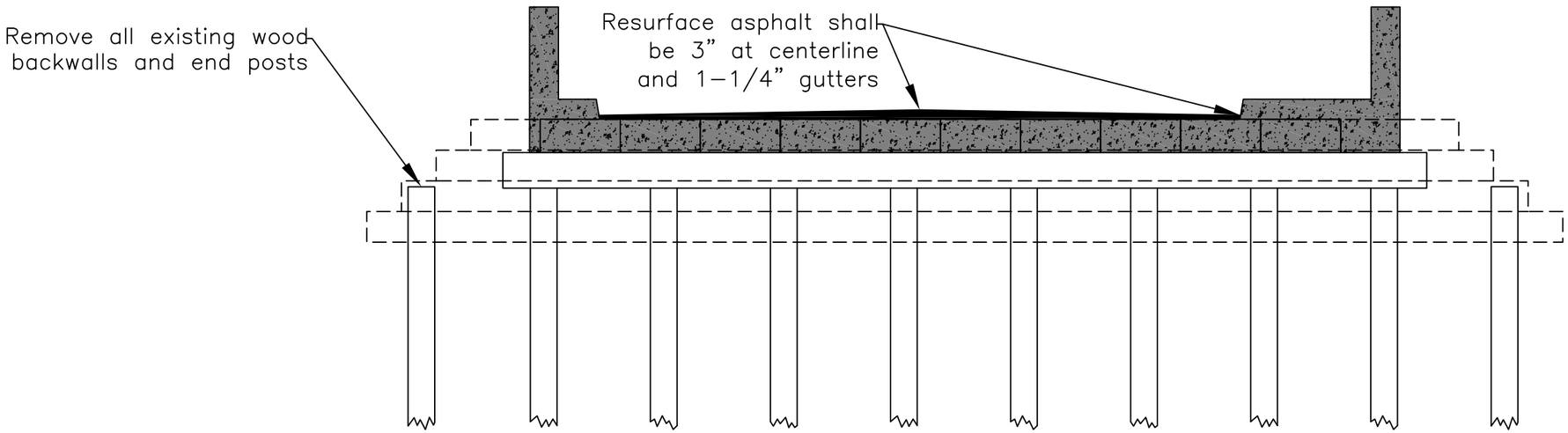
Total $_____

Bidder Name _____

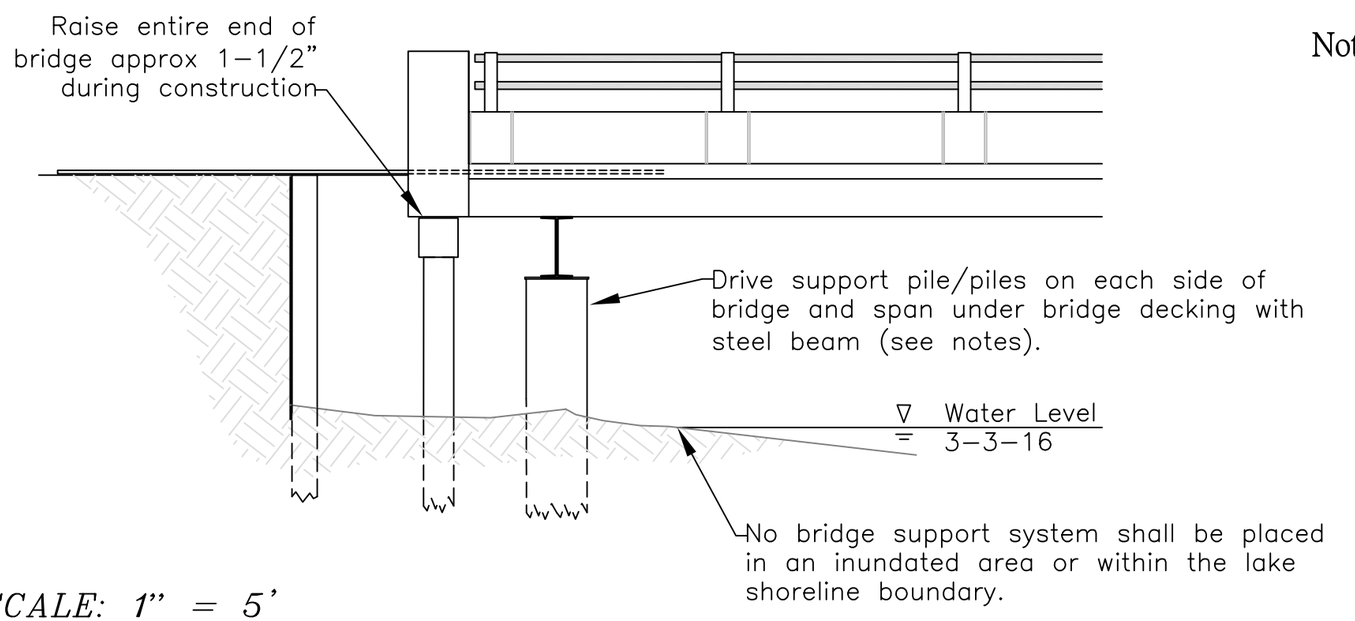
End Bent Existing Backwall

SCALE: 1" = 5'

0 5' 10'



Temporary Bridge Support Detail



SCALE: 1" = 5'

0 5' 10'

Note: Bridge deck must be lifted off of existing Bent 1 and supported during the entire repair process while maintaining a minimum of one lane traffic flow. Contractor must provide a stamped engineered design and drawings from a currently licensed registered professional engineer in the state of Oregon, of the proposed bridge support system to be utilized. This design must be approved by the Clatsop County Engineer prior to project commencement.
The reconstructed bent must be built to maintain the same elevation as the existing bridge height
Design Traffic Load for temporary support to be HS-20.

Sunset Lake Bridge Rehabilitation
Clatsop County, Oregon

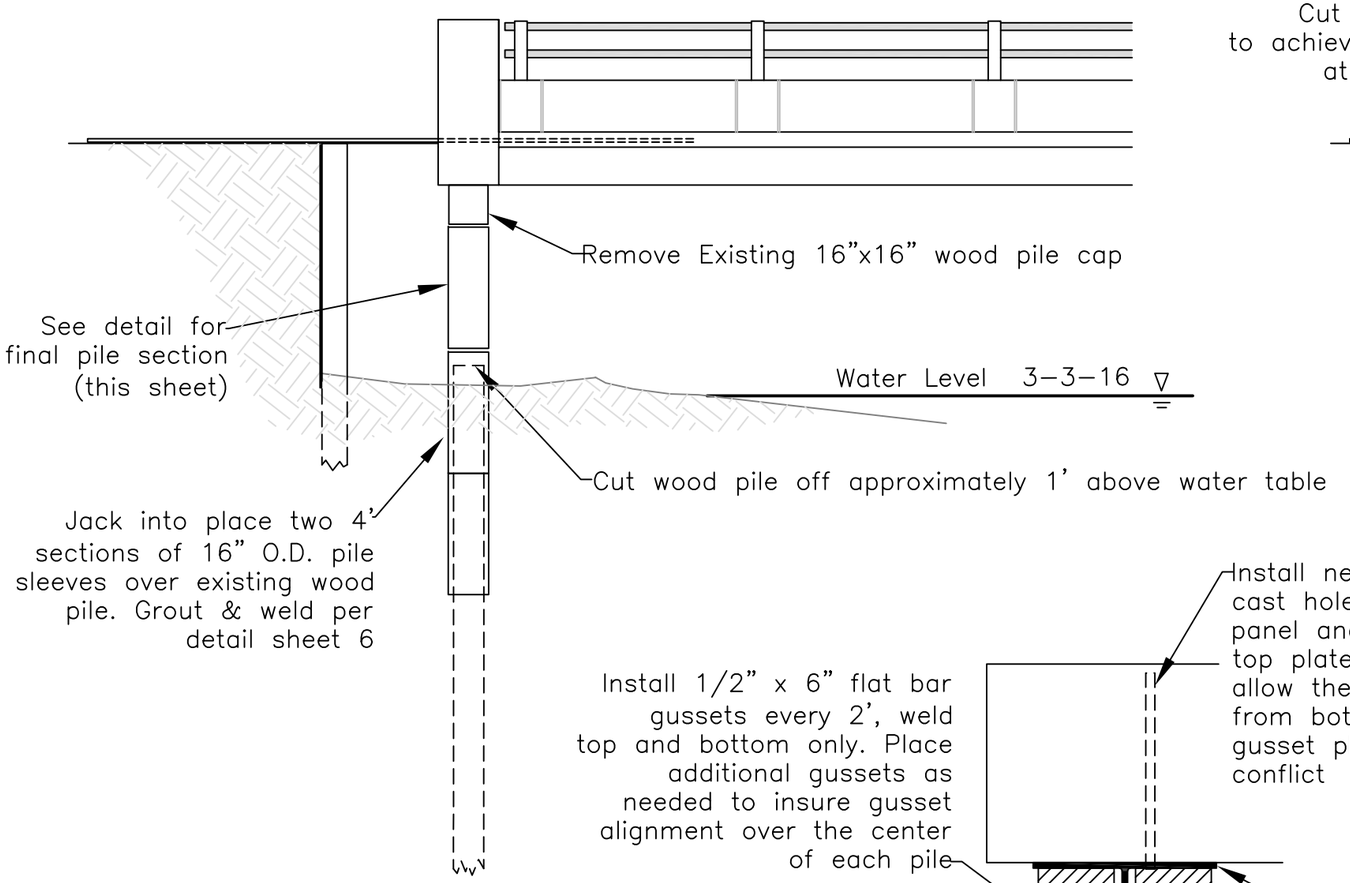
LOCATION:			SHEET NUMBER	TOTAL SHEETS
SE 1/4 SECTION 9, T7N, R10W			3	7
PROJECT NUMBER:	DATE:	DRAWN BY:	CHECKED BY:	
M10315	May 24, 2016	B.G.B.	M.J.S.	

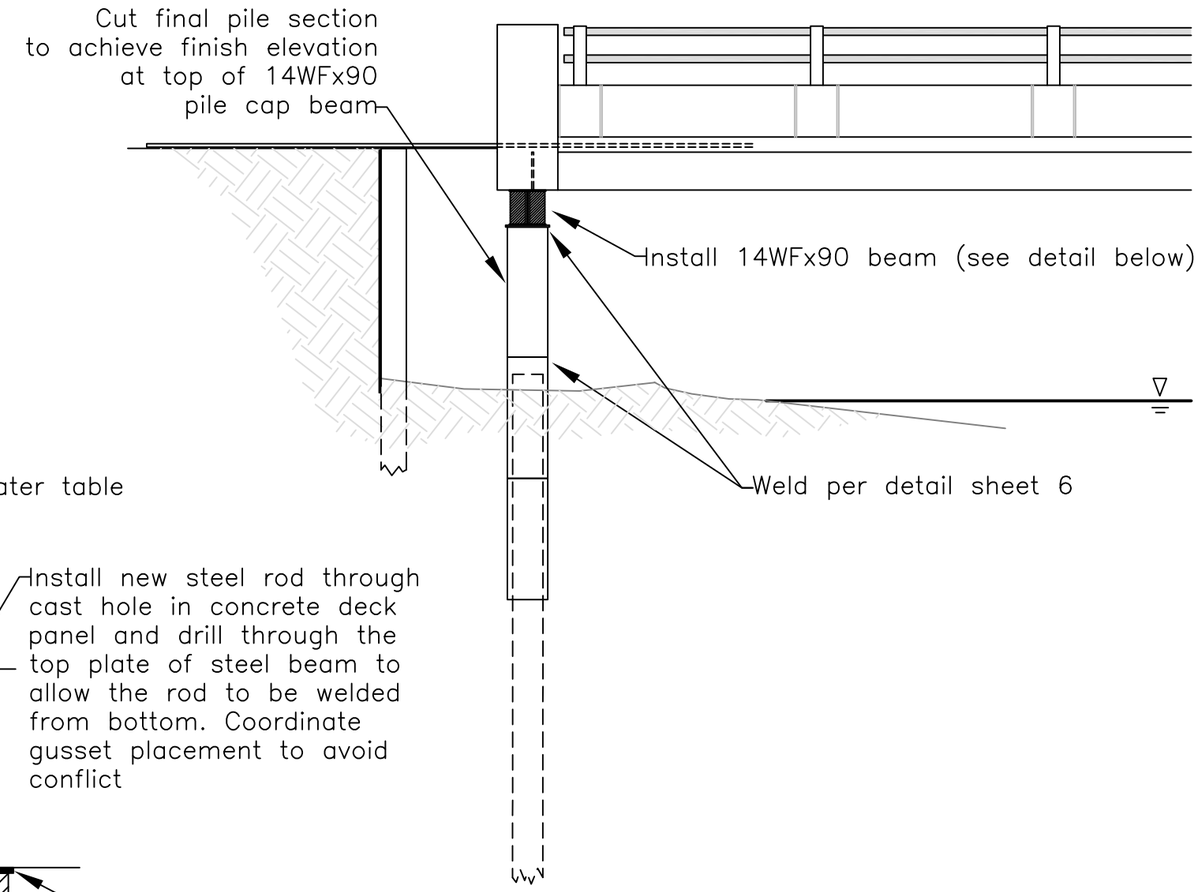
REGISTERED PROFESSIONAL ENGINEER #76428PE
OREGON JUNE. 11, 2008
MICHAEL J. SUMMERS
EXPIRES: 06/30/16

Bent 1 Pile Sleeve and Cap Detail

SCALE: 1" = 5'

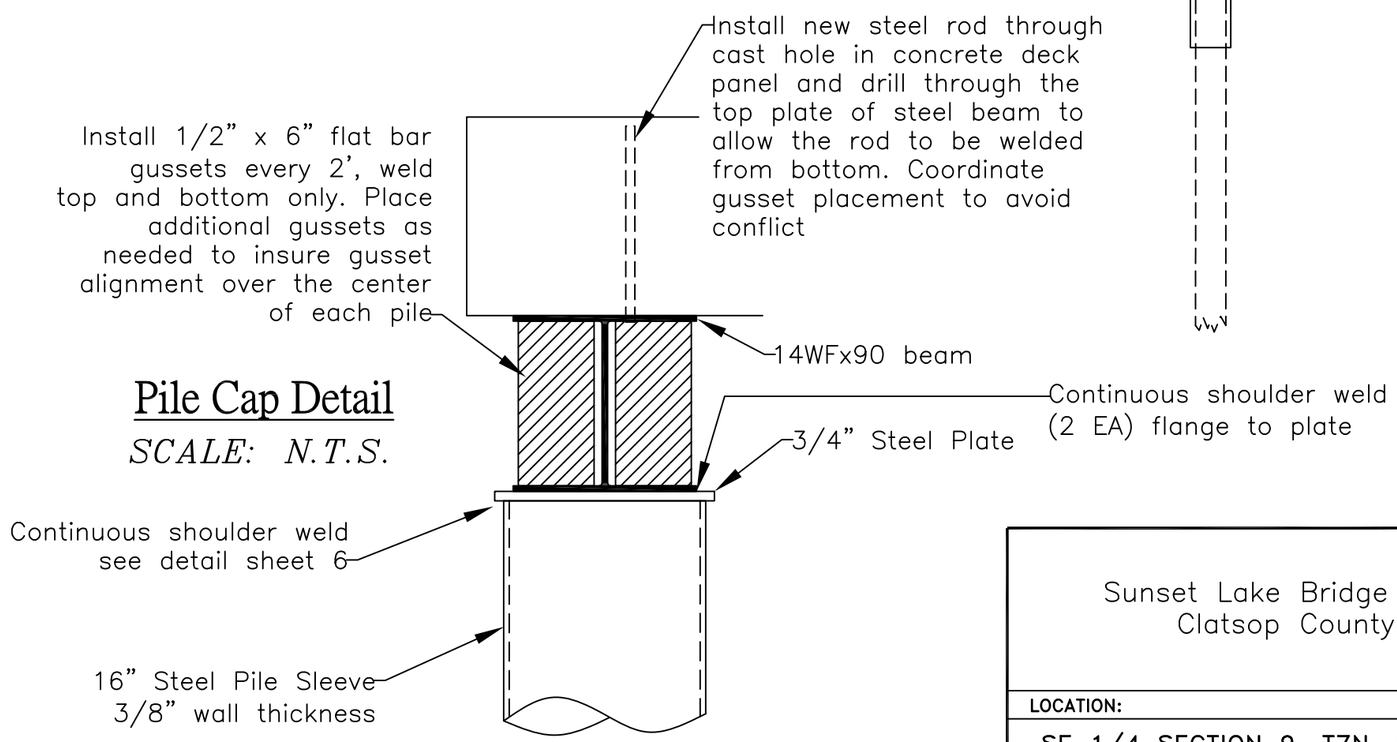
0 5' 10'





Pile Cap Detail

SCALE: N.T.S.



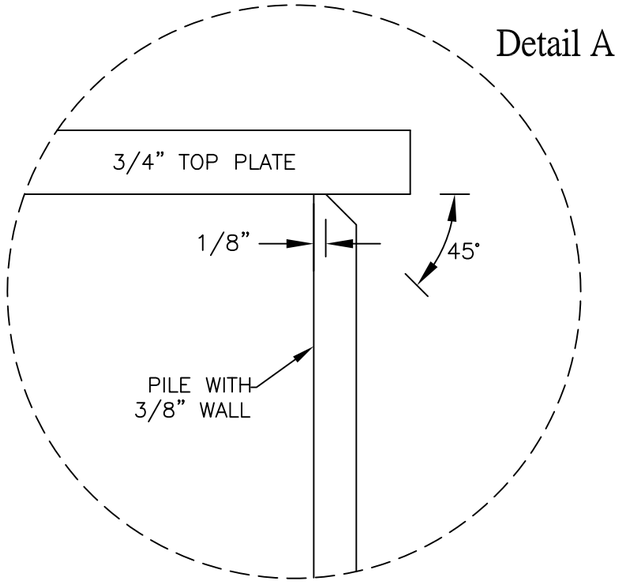
Sunset Lake Bridge Rehabilitation
Clatsop County, Oregon

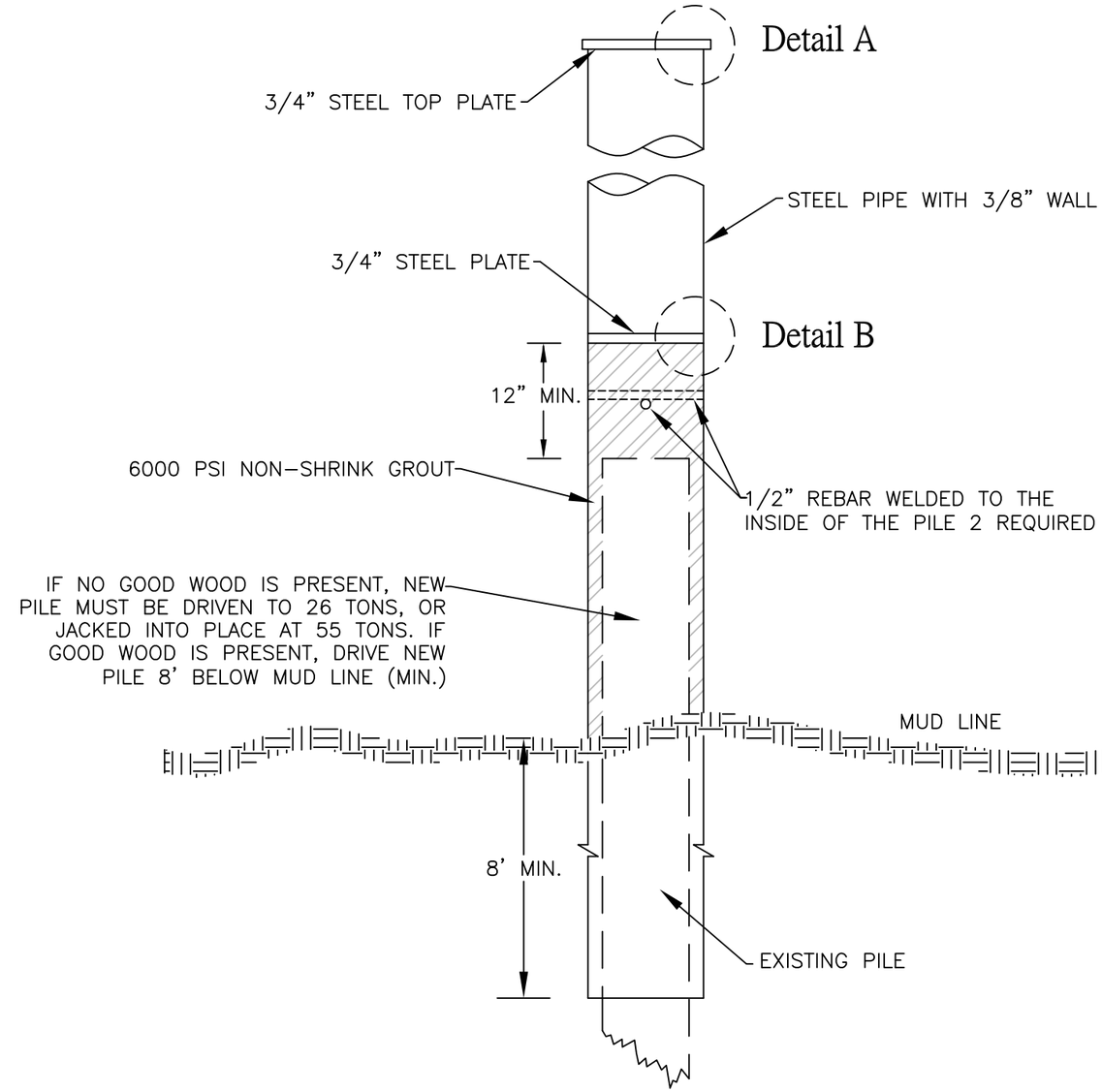
LOCATION:		SHEET NUMBER	TOTAL SHEETS
SE 1/4 SECTION 9, T7N, R10W		4	7
PROJECT NUMBER:	DATE:	DRAWN BY:	CHECKED BY:
M10315	May 24, 2016	B.G.B.	M.J.S.

REGISTERED PROFESSIONAL ENGINEER #76428PE
OREGON JUNE. 11, 2008
MICHAEL J. SUMMERS
EXPIRES: 06/30/16

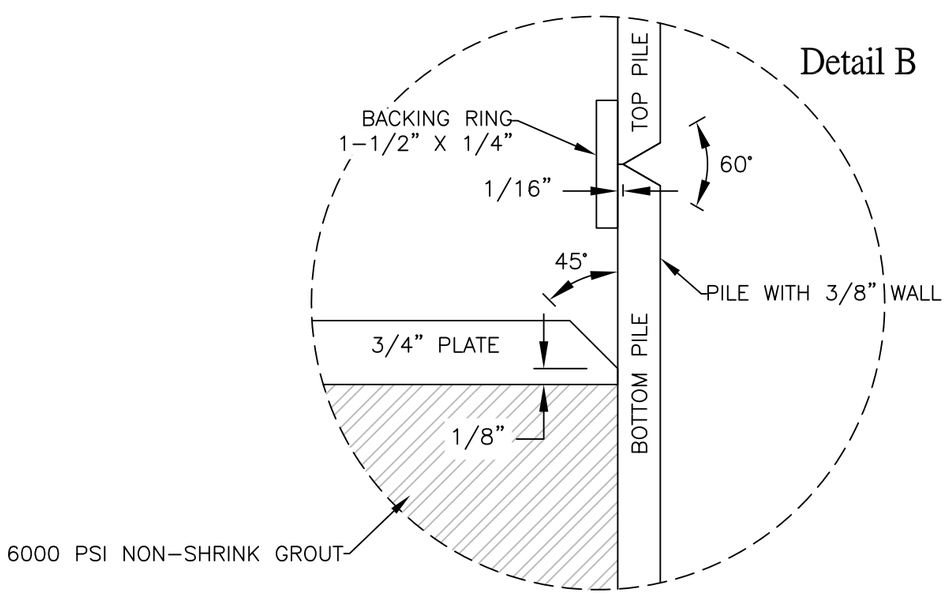
Clatsop County Typical Bridge Pile Rehabilitation

No Scale





Welding Preparation Details



Sunset Lake Bridge Rehabilitation
Clatsop County, Oregon

LOCATION:		SHEET NUMBER	TOTAL SHEETS
SE 1/4 SECTION 9, T7N, R10W		7	7
PROJECT NUMBER:	DATE:	DRAWN BY:	CHECKED BY:
M10315	May 24, 2016	B.G.B.	M.J.S.

REGISTERED PROFESSIONAL ENGINEER #76428PE
OREGON JUNE. 11, 2008
MICHAEL J. SUMMERS
EXPIRES: 06/30/16

Attachment A

SUNSET LAKE BRIDGE SUNSET BEACH ROAD FAS(447) CLATSOP COUNTY				SHEET No. 1
FED. ROAD Div. No.	STATE	PROJECT NUMBER	FISCAL YEAR	TOTAL SHEETS
8	OREGON	S-497(1)		See Index

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	Title Sheet & Summary

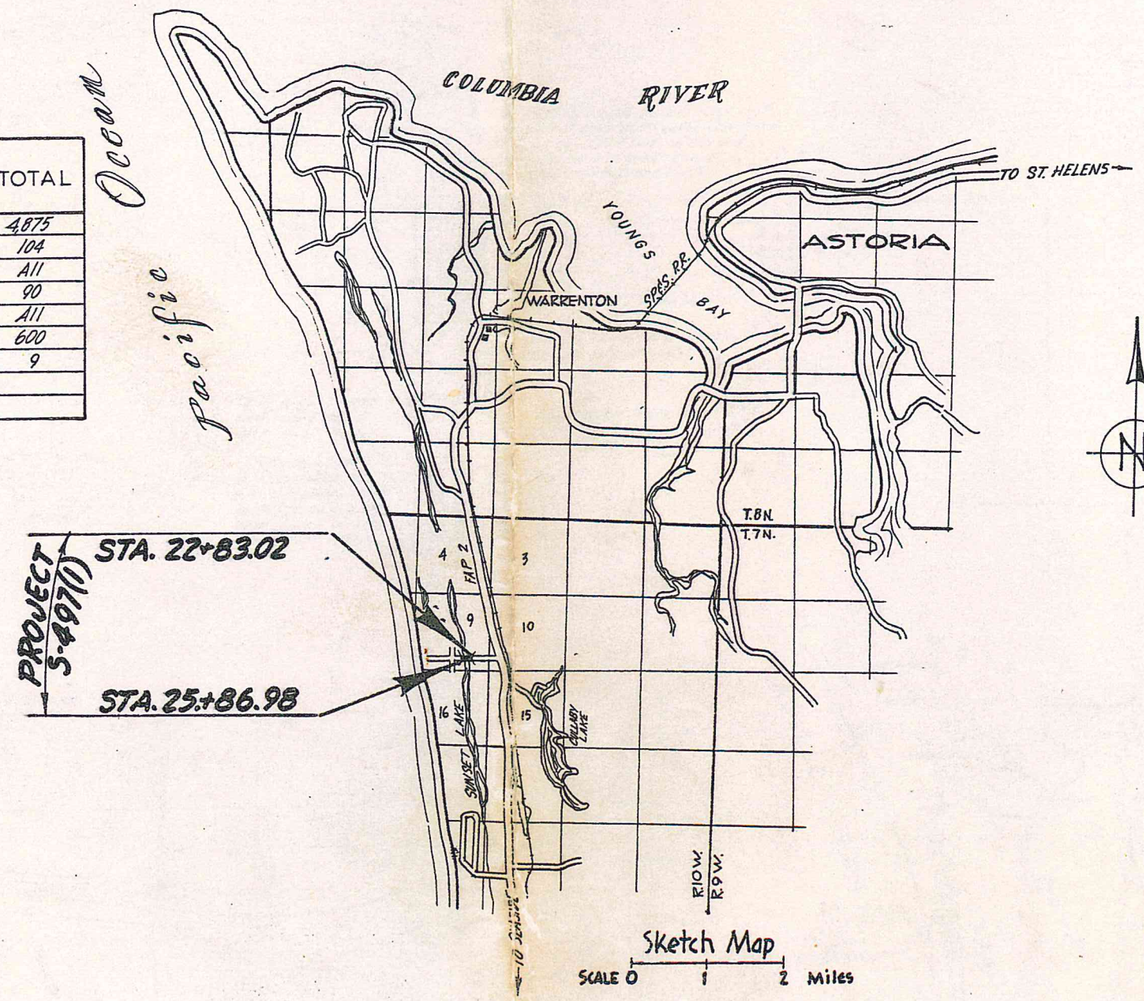
Drg. No's,
18127, 18128, 17368

STATE OF OREGON
STATE HIGHWAY DEPARTMENT
PLANS FOR PROPOSED PROJECT

SUNSET LAKE BRIDGE
SUNSET BEACH ROAD FAS (447)
CLASOP COUNTY
OCTOBER, 1962

S U M M A R Y

ITEM	UNIT	NET QUANT.	ALLOW.	TOTAL
Furnish Treated Timber Piling	Lin. Ft.	4,875		4,875
Drive Timber Piles	One	104		104
Class "A" Concrete	All	All		All
3'x30' to 35' Presstressed Slabs	One	90		90
Metal Reinforcement	All	All		All
Metal Parapet Railing	Lin. Ft.	600		600
Treated Timber in Place	M-FBM	8.7	0.3	9



Sketch Map
SCALE 0 1 2 Miles

CONVENTIONAL SIGNS
- State Line
- County Line
- City or Town Limits
- Township Line
- Section Line
- Donation Land Claim Line
- Fence Line
- Guard Rail
- Unfenced Property or Right of Way Line
- Existing Roads
- Trails
- Base or Survey Line
- Railroads
- Retaining Wall
- Culverts
- Drop Inlet
- Trolley Pole
- Power Pole
- Telephone or Telegraph Poles
- Marsh
- Irrigation Ditches
- Bridges
- Trees

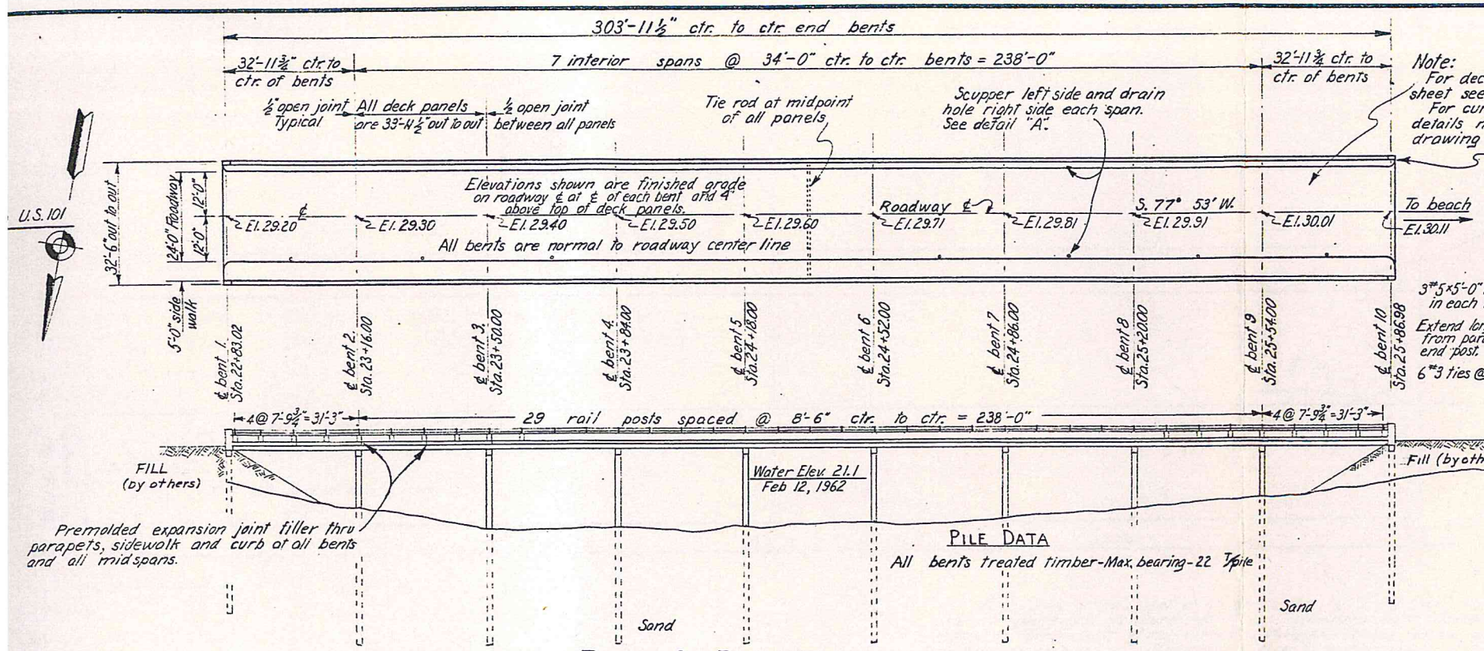
REGISTERED PROFESSIONAL ENGINEER 494 OREGON MAR. 9, 1931 G. S. PAXSON

STATE HIGHWAY ENGINEER

STATE HIGHWAY COMMISSION.
Glenn L. Jackson Chairman
Kenneth N. Fridley Commissioner
David B. Simpson Commissioner

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED:
DIVISION ENGINEER DATE

Rev.



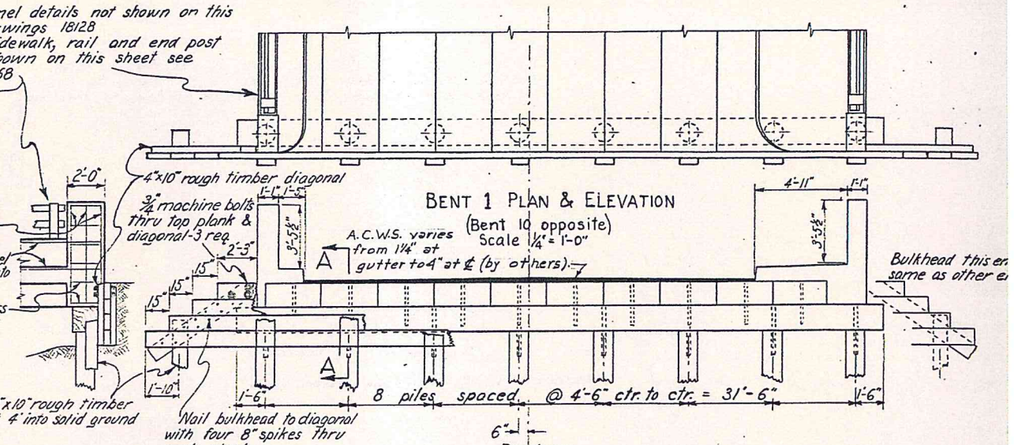
PILE DATA

All bents treated timber-Max. bearing-22 T pile

PLAN & ELEVATION

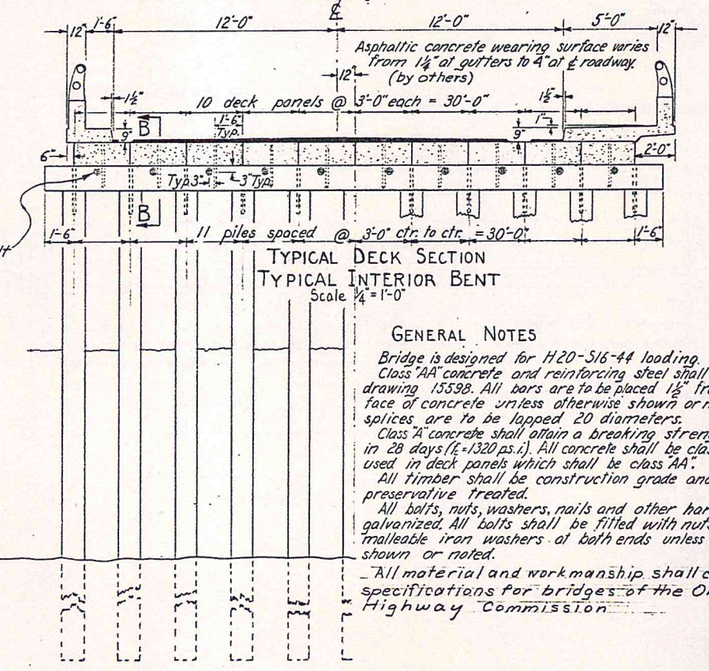
Scale 1" = 20'-0"

Note:
For deck panel details not shown on this sheet see drawings 18128
For curb, sidewalk, rail and end post details not shown on this sheet see drawing 17368



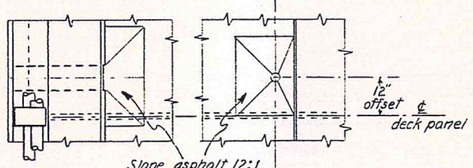
BENT 1 PLAN & ELEVATION

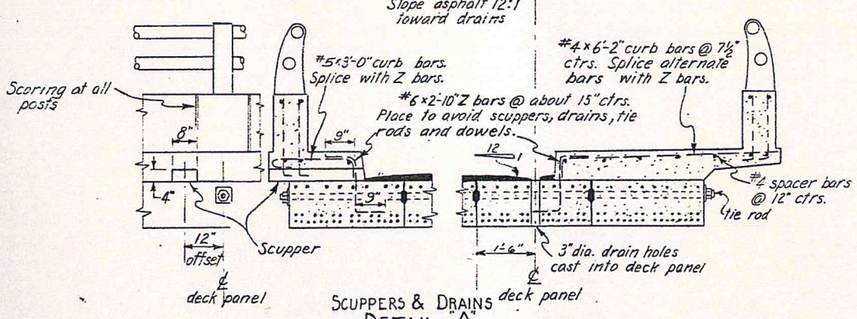
(Bent 10 opposite)
Scale ¼" = 1'-0"



TYPICAL DECK SECTION
TYPICAL INTERIOR BENT

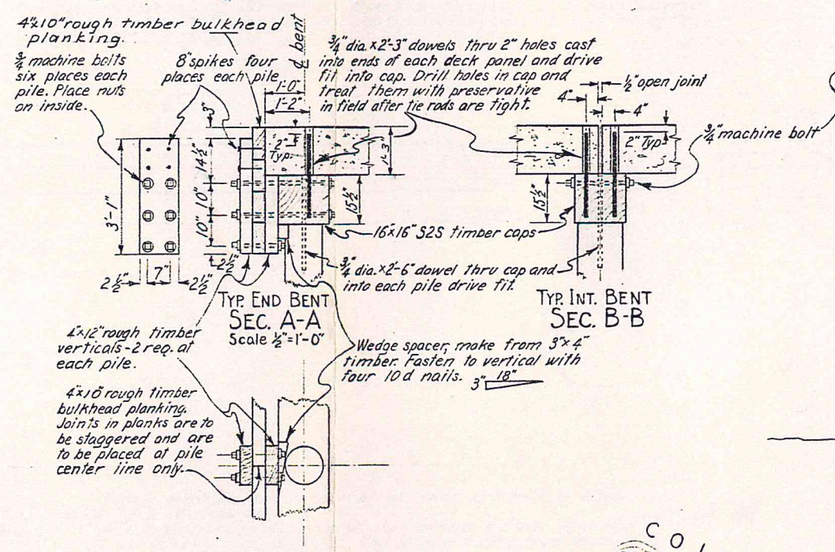
Scale ¼" = 1'-0"





SCUPPERS & DRAINS
DETAIL "A"

Scale ½" = 1'-0"



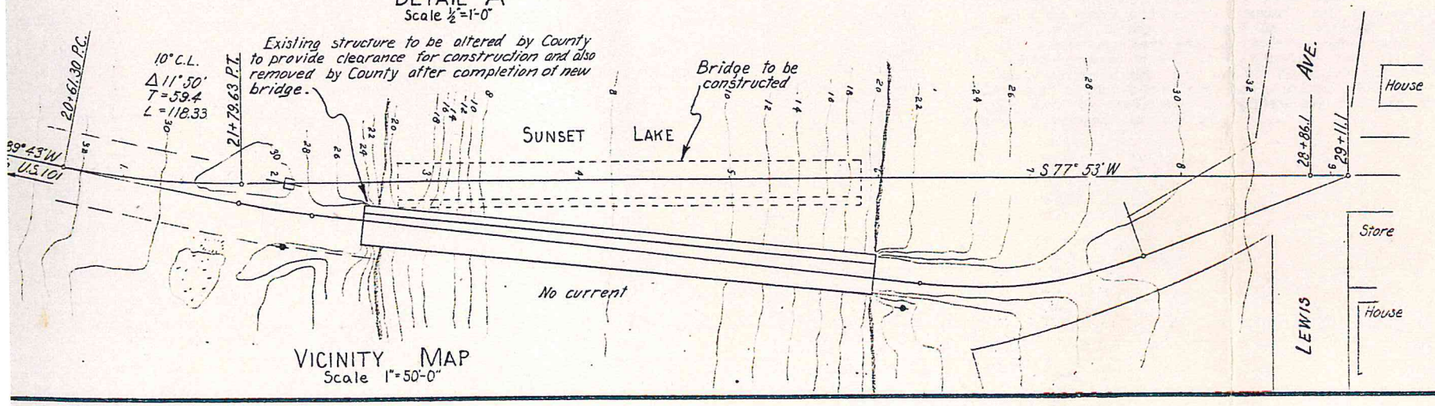
TYP. END BENT
SEC. A-A

Scale ½" = 1'-0"

TYP. INT. BENT
SEC. B-B

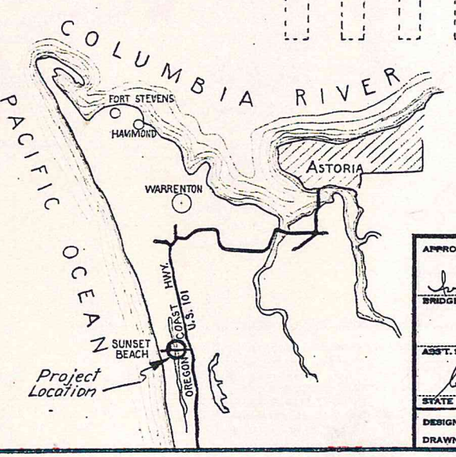
GENERAL NOTES

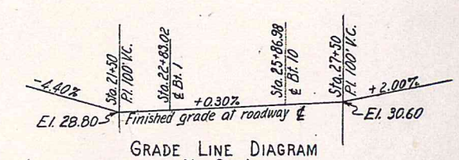
Bridge is designed for H20-S16-44 loading.
Class "AA" concrete and reinforcing steel shall be as specifie drawing 15598. All bars are to be placed 1½" from the neares face of concrete unless otherwise shown or noted. All bar splices are to be lapped 20 diameters.
Class "A" concrete shall attain a breaking strength of 3300 p.s in 28 days (f'c = 1320 p.s.i.) All concrete shall be class "A" except tha used in deck panels which shall be class "AA".
All timber shall be construction grade and shall be preservative treated.
All bolts, nuts, washers, nails and other hardware shall b galvanized. All bolts shall be fitted with nuts and standar malleable iron washers at both ends unless otherwise shown or noted.
All material and workmanship shall conform to t specifications for bridges of the Oregon Sta Highway Commission.



VICINITY MAP

Scale 1" = 50'-0"





GRADE LINE DIAGRAM

No Scale

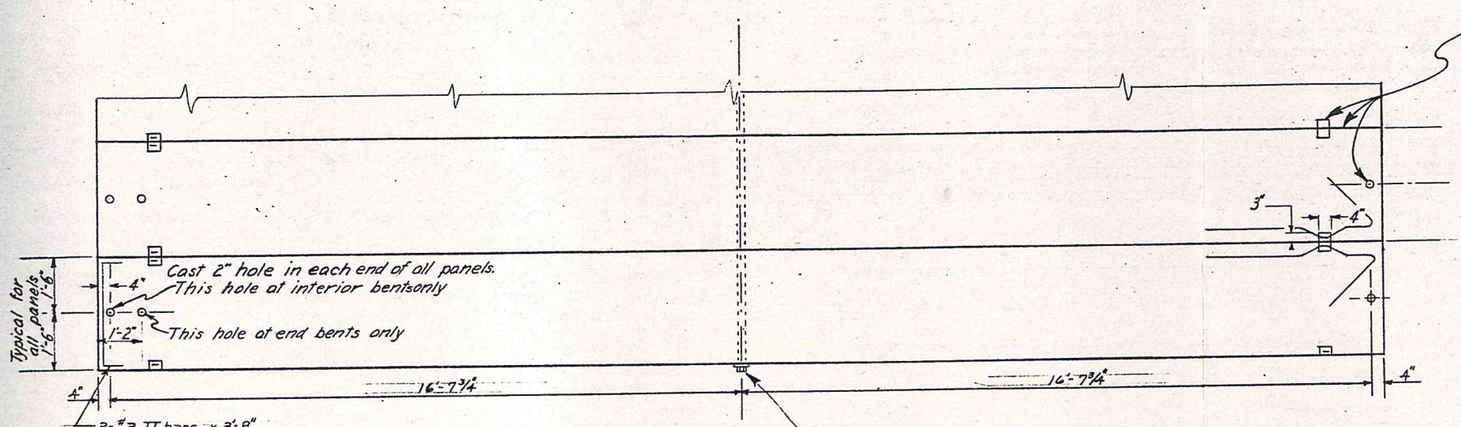
APPROVED:
BRIDGE ENGINEER
ASST. STATE HIGHWAY ENGINEER
STATE HIGHWAY ENGINEER
DESIGNED ACM CHECKED HGM
DRAWN ACM CALC. BOOK 674

OREGON STATE HIGHWAY DEPARTMENT
BRIDGE DIVISION

SUNSET LAKE BRIDGE

SUNSET BEACH ROAD
FAS 640 CLATSOP CO
PLAN, ELEVATION & GENERAL DETAILS

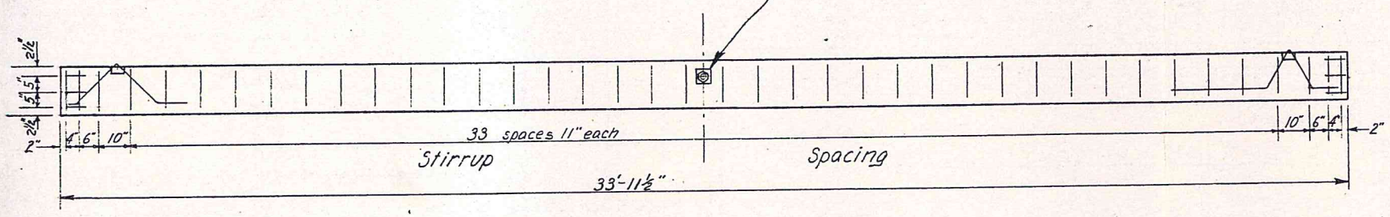
DATE 7-30-62 BRIDGE NO. 11230A
ACCOMPANIED BY DWGS. 18128 17368
SHEET 1 OF 3
DRAWING NO. 18127

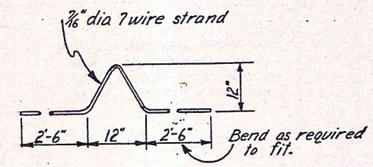


Scale ½" = 1'-0"

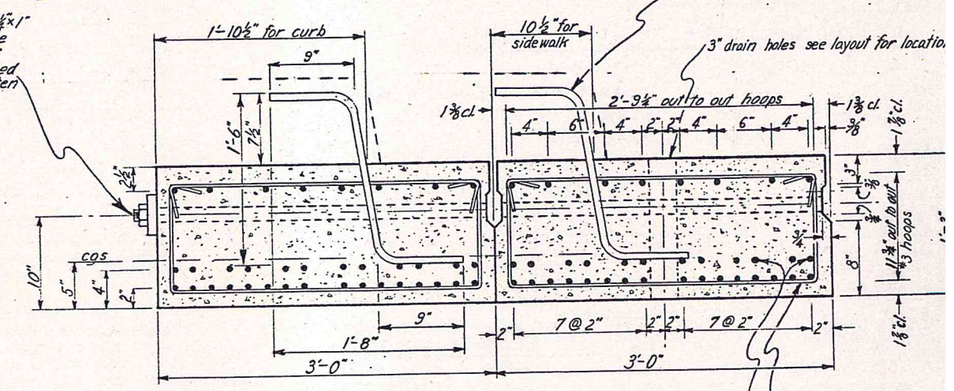
After panels are in place and tie rods are tightened grout all shear keys and dowel holes. Cut off exposed portions of pick up loops and fill pockets with grout.

2" dia. hole at midpoint of all panels for 1¼" mild steel rod with 4¼"x4¼"x1" bearing plate and standard nut or an equivalent steel stressrod with the following properties: ¾" dia.; ultimate strength = 145 Ksi.; initial stress = 42.2 K; working stress = 33.2 K. Stressrod and end anchorages to be as manufactured by Rods, Inc., Stressteel Corp., or approved equal. With 1¼ mild steel rod tighten nut with 600 ft. lb. torque.





PICK UP LOOP DETAILS



Exterior panel

Interior panel

TYPICAL SECTIONS

Scale 1½" = 1'-0"

Panels must be kept upright at all times and must be lifted using pick up loops only.

All concrete used in deck panels shall be class "AA" and shall have a 28 day strength of 5000 p.s.i. The strength required before release of pretension wires is 4500 p.s.i.

All 7/16" dia. 7 wire prestressing strand shall have an ultimate strength of 27,000 lbs. and shall be tensioned to 18,900 lbs.

All reinforcing bars shall be intermediate grade deformed bars conforming to A.S.T.M. specification A 305 (f_s = 20,000 p.s.i.)

Grout in shear keys and dowel holes shall be of the expanding or non-shrinking type and shall attain a 3 day strength of 3500 p.s.i. No traffic will be allowed on structure till grout attains a strength of 3500 psi.

NOTE
THE SCALE OF THIS PRINT IS ½ THAT OF THE ORIGINAL DRWG.
FOR EXAMPLE:
INDICATED SCALE ¾" = 1'-0"
SHOULD BE READ ⅜" = 1'-0".
INDICATED SCALE 1" = 10'-0"
SHOULD BE READ 1" = 20'-0".

DATE	REVISION

APPROVED: Ivan D. Merchant
BRIDGE ENGINEER

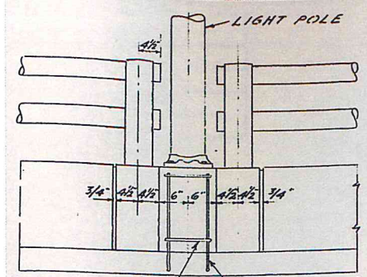
DESIGNED RJW CHECKED HGM
DRAWN ACM CALC. BOOK 674

OREGON STATE HIGHWAY DEPARTMENT
BRIDGE DIVISION

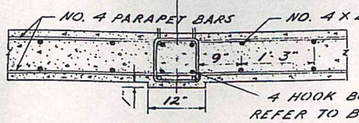
SUNSET LAKE BRIDGE
SUNSET BEACH ROAD
FAS 640 CLATSOP C

PRECAST DECK PANEL DETAILS

DATE 8-1-62 SHEET 2 OF 3
BRIDGE NO. 11230 A DRAWING NO. 18128



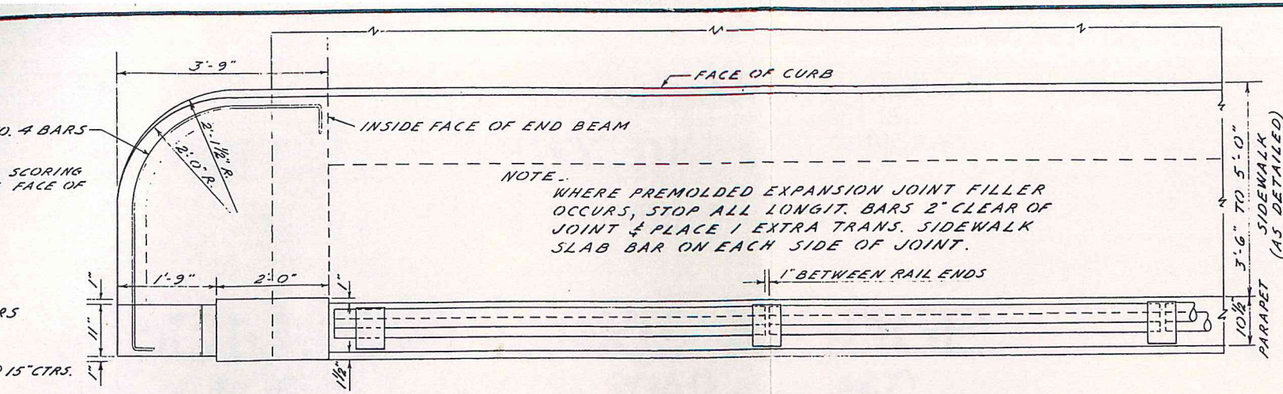
OUTSIDE ELEVATION



SECTION

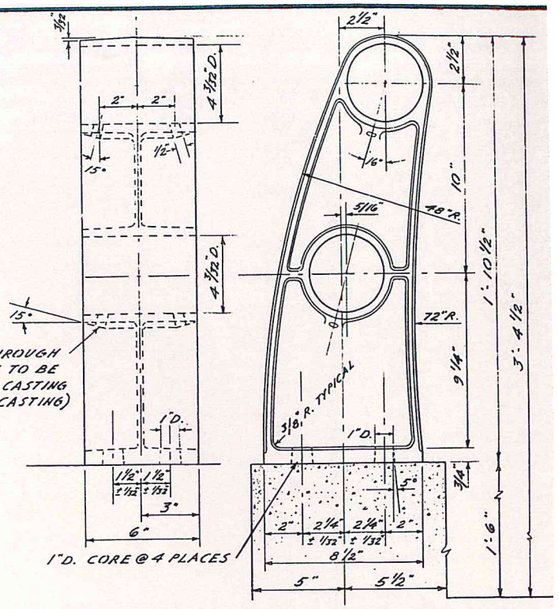
TYPICAL DETAIL FOR LIGHT POLE

SCALE 3/4" = 1'-0"



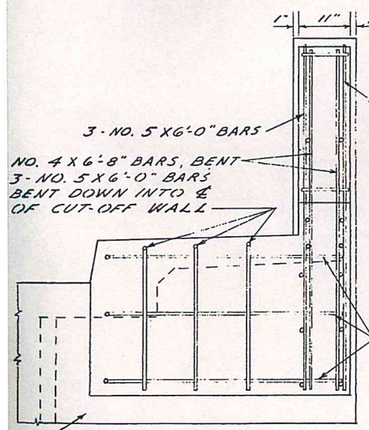
PLAN - RAIL "A" - WITH SIDEWALK

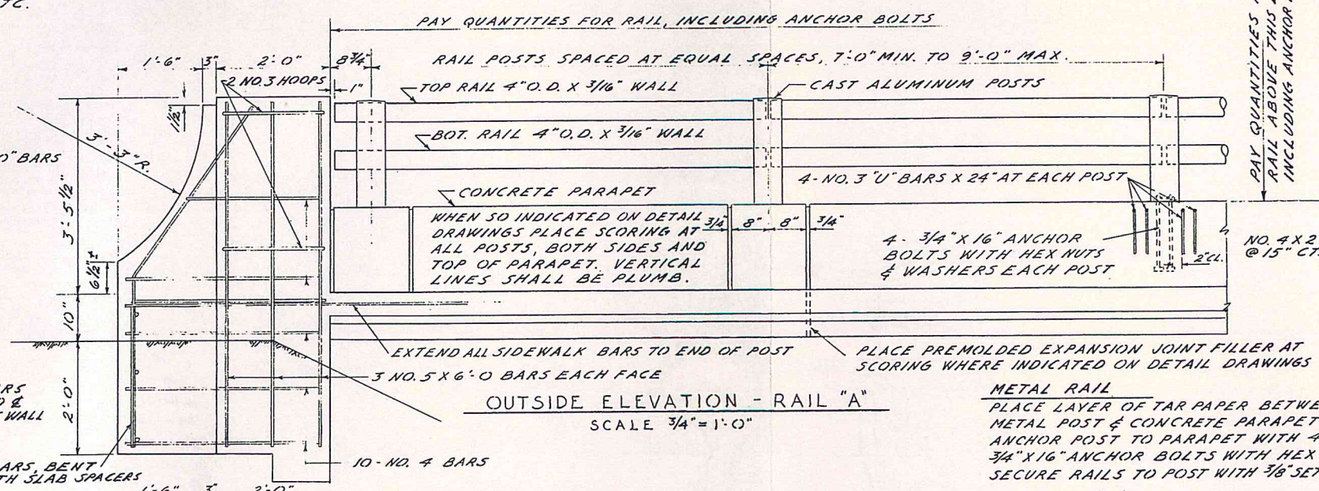
SCALE 3/4" = 1'-0"



DETAIL OF CAST ALUMINUM POST

SCALE 3" = 1'-0"



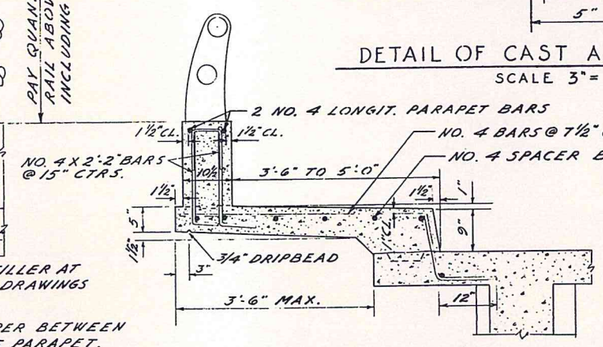


OUTSIDE ELEVATION - RAIL "A"

SCALE 3/4" = 1'-0"

METAL RAIL

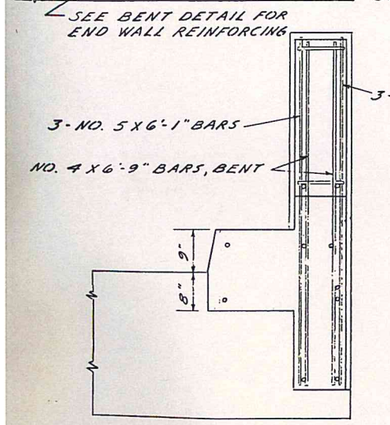
PLACE LAYER OF TAR PAPER BETWEEN METAL POST & CONCRETE PARAPET. ANCHOR POST TO PARAPET WITH 4 - 3/4" X 16" ANCHOR BOLTS WITH HEX NUTS. SECURE RAILS TO POST WITH 3/16" SET SCREWS.



SECTION - RAIL "A"

(WITH SIDEWALK)

SCALE 3/4" = 1'-0"

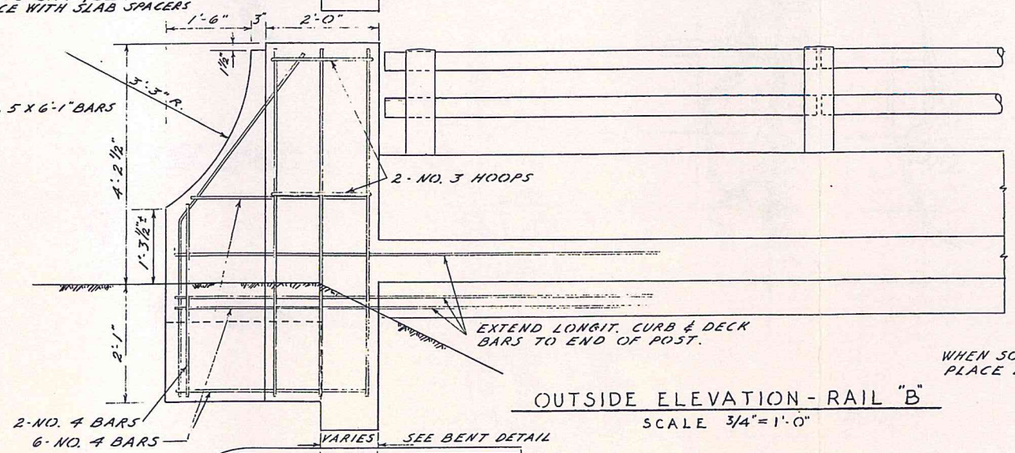


END VIEW OF END POSTS

SCALE 3/4" = 1'-0"

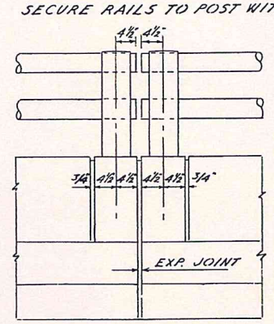
NOTE -

TOP OF END POSTS SHALL PARALLEL GRADE & END FACES SHALL BE PLUMB. METAL RAIL POSTS TO BE PERPENDICULAR TO GRADE.



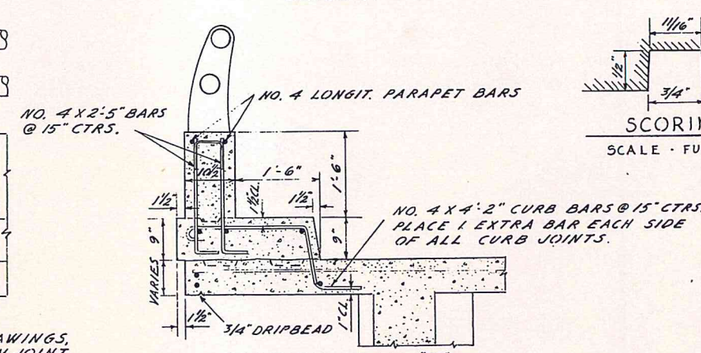
OUTSIDE ELEVATION - RAIL "B"

SCALE 3/4" = 1'-0"



DOUBLE POST

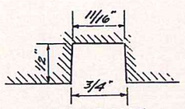
WHEN SO INDICATED ON DETAIL DRAWINGS, PLACE DOUBLE POST AT EXPANSION JOINT.



SECTION - RAIL "B"

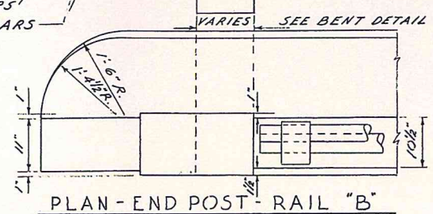
(WITHOUT SIDEWALK)

SCALE 3/4" = 1'-0"



SCORING

SCALE - FULL SIZE



PLAN - END POST - RAIL "B"

SCALE 3/4" = 1'-0"

GENERAL NOTES -

THIS DETAIL IS INTENDED FOR ALUMINUM OR STEEL RAIL ALTERNATES. DETAILS SHOWN ARE FOR ALUMINUM RAIL & CAST ALUMINUM RAIL POSTS. FOR STEEL ALTERNATE USE 3 1/2" STANDARD STEEL PIPE (O.D. = 4.00") & CAST STEEL POSTS PER DETAIL WITH STEEL BOLTS, NUTS, WASHERS & SET SCREWS. ALL STEEL RAIL MEMBERS SHALL BE GALVANIZED.

DETAILS NOT OTHERWISE SHOWN ARE SAME FOR RAILS "A" & "B"

DATE	REVISION

APPROVED: [signature] BRIDGE ENGINEER

DESIGNED ..... CHECKED .....

DRAWN HLS CALC. BOOK .....

OREGON STATE HIGHWAY DEPARTMENT
BRIDGE DIVISION

STANDARD 2 PIPE PARAPET HANDRAIL

WITH OR WITHOUT SIDEWALK

DATE 2-2-62 SHEET 1 OF 1

BRIDGE NO. ..... DRAWING NO. 17368

Attachment B

Oregon Department of Transportation

Bridge Inspection Report

District	01	**Structure**	Neacoxie Lake, Sunset Beach Rd	**Bridge ID**	11230A
Fac Crossed	NEACOXIE LAKE	**Owner**	County Hwy Agency	**Fac Carried**	SUNSET BEACH RD
Suff Rating	60.0			**Mile Point**	0.46mi
AC Depth	2.00	**County**	Clatsop	**Insp Date**	04/30/2015
Bridge Length	306.00ft	**Record Type**	1	**Inspector 1**	**Mark Frymoyer (C0081)**
		Insp Freq	24	**Inspector 2**	**Laura Barker (DEA)**
		Bridge Width	32.30ft		

Signature:

Element Condition States (New AASHTO report)

Elemkey	Defects/Prot Sys	Quantity	Units	Env	CS 1	CS 2	CS 3	CS 4
39-Prestressed Slab		**9884**	**(SF)**	**Mod.**	**9873**	**11**	**0**	**0**
	1080-Spalls/Delams/Patched Areas	1	(SF)	Mod.	0	1	0	0
	1090-Exposed Rebar	10	(SF)	Mod.	0	10	0	0
	511-AC Wearing Surface	9884	(SF)	Mod.	9654	230	0	0
216-Timber Abutment		**85**	**(LF)**	**Sev.**	**43**	**42**	**0**	**0**
	1150-Checks/Shakes	37	(LF)	Sev.	0	37	0	0
	1170-Splits/Delam (Timber)	5	(LF)	Sev.	0	5	0	0
228-Timber Pile		**110**	**(EA)**	**Sev.**	**106**	**3**	**0**	**1**
	1150-Checks/Shakes	3	(EA)	Sev.	0	3	0	0
	1140-Decay/Section Loss	1	(EA)	Sev.	0	0	0	1
235-Timber Pier Cap		**258**	**(LF)**	**Sev.**	**229**	**27**	**2**	**0**
	1140-Decay/Section Loss	5	(LF)	Sev.	0	5	0	0
	1150-Checks/Shakes	18	(LF)	Sev.	0	16	2	0
	1170-Splits/Delam (Timber)	6	(LF)	Sev.	0	6	0	0
306-Other Joint		**258**	**(LF)**	**Mod.**	**258**	**0**	**0**	**0**
330-Metal Bridge Railing		**608**	**(LF)**	**Mod.**	**608**	**0**	**0**	**0**
980-Approach Roadway Embank		**2**	**(EA)**	**Mod.**	**0**	**2**	**0**	**0**
990-Miscellaneous Elements		**1**	**(EA)**	**Mod.**	**1**	**0**	**0**	**0**
999-Roadway Impact		**1**	**(EA)**	**Mod.**	**0**	**1**	**0**	**0**

Attachment A

Appraisal

Appraisal	NBI #	Rating
Scour	113	5 Stable w/in footing
Bridge Rail	36A	0 Substandard
Transitions	36B	0 Substandard
Approach Rail	36C	0 Substandard
Rail Ends	36D	0 Substandard
Structural	67	5 Above Min Tolerable
Deck	68	4 Tolerable
Clearance	69	N Not applicable (NBI)
Waterway	71	8 Equal Desirable
Approach Alignment	72	8 Equal Desirable Crit

NBI Category

Category	NBI #	Rating
Deck Condition	58	7 Good
Superstructure	59	7 Good
Substructure	60	6 Satisfactory
Channel	61	8 Protected
Culvert/Retaining Walls	62	N N/A (NBI)

Remarks

39-Prestressed Slab
There is leakage thru keyways between slabs. The bolts are corroded.

511-AC Wearing Surface
Cracks over all bents, some have been sealed. Some cracking along centerline with random depressions throughout in wheel lines. Occasional longitudinal cracking in overlay. Pothole in Span 2 and 4.

1080-Spalls/Delams/Patched Areas
Delam in Girder G, 20' from Bent 10.

1090-Exposed Rebar
Slabs 2, 6 & 8 in Span 2 and Slabs 4 and 9 in Span 8 have exposed stirrups. Span 2-2, spall with exposed transverse bar with minor section loss. Span 5-10, exposed stirrup on exterior side, no section loss visible.

216-Timber Abutment
Some fill is eroding through gaps in timber planks.

1150-Checks/Shakes
The backwall at Bent 10 is checked throughout.

1170-Splits/Delam (Timber)
The backwall at Bent 10 is split near the centerline of the bridge.

228-Timber Pile
Bent 4, Piles 7 through 10 lean to the east. All piles show minor loss at waterline.

1140-Decay/Section Loss
Bent 2, Pile 6 - 1" shell.

1150-Checks/Shakes
Three piles have minor checks.

235-Timber Pier Cap
All bent caps are moist and water stained. Large amount of water leaking through deck at Bent 8 over Pile 10.

1140-Decay/Section Loss
The cap at Bent 8 has slight decay pockets above Pile 1.

1150-Checks/Shakes
There is an 8' check in the Bent 3 cap. Many of the cap ends are checked.

1170-Splits/Delam (Timber)
A few of the cap ends are split.

306-Other Joint
AC cracked over bents, sealed with loop sealant.

330-Metal Bridge Railing
Sidewalk curb spall at BT4 right.

980-Approach Roadway Embank
Steep embankments at both ends.

990-Miscellaneous Elements
Utilities both sides.

999-Roadway Impact
Minor settlement at Bent 10. Bump onto bridge.

Attachment A

Notes

Inspection Notes

Bridge Notes

Detour map added and length changed by Erick Cain 03/24/2010.

Embankment Erosion Notes

Maintenance Recommendations

As of: 04/30/2015

Priority	Crew	Wrk Cnd	Notes	Est. Cost	Status	Rec Date
Routine/Schedule	Not Assigned	(995480) 306 Reseal Joint	Clean and seal all the cracks in the pavement.	3000	Unknown	4/30/13
Routine/Schedule	Not Assigned	(996400) 39 Wash/Clean	Clean and paint tie rod ends, or replace.	5000	Unknown	4/30/15

*Completed items not included on default search *Red dates are overdue items.

Load Rating

Rating Date	06/16/1993	**Posting Req**	5 At/Above Legal Loads
Design Load	0 Unknown	**Posting Status.**	A Open, no restriction
Operating Load	34.00ton	**OR Method**	2 AS Allowable Stress
Inventory Rating	20.00ton	**IR Method**	2 AS Allowable Stress

truck	Rating Factor	% Below	Posting Required	Controlling Member	Actual Posting	Posting Date
Type 3	1.20	5	No	PRESTRESSED SLABS		
Type 3S-2	1.29	5	No	PRESTRESSED SLABS		
Type 3-3	1.23	5	No	PRESTRESSED SLABS		
SU4						
SU5						
SU6						
SU7						

Load Rating Notes

Load Rating Condition Comparison Chart

Category	NBI#	Rating Condition	Current Condition
Traffic Impact		0	CS2
Deck Condition	58	0	7
Superstructure	59	0	7
Substructure	60	0	6
Temporary Repairs	103		
Wearing Surface Thickness	293	0.00	2.00

Inspection Schedule

Activity	Conducted On	Frequency	Next Inspection

Attachment A

Routine Inspection	04/30/2015	24	04/01/2017
Underwater	10/22/2013	60	10/22/2018
Timber Boring	04/30/2015	24	04/01/2017
X-Channel Profile	04/30/2013	48	04/01/2017
Snooper Inspection	04/30/2015	48	04/01/2019

Attachment A

Documents for Bridge # 11230A

Bridge Clearance documents: Unavailable
Bridge Detours maps: 11230A.tif,
Bridge Images: IM11230A_A0.JPG, IM11230A_A1.JPG, IM11230A_A2.JPG, IM11230A_A3.jpg, IM11230A_A4.jpg,
Job Hazard Assessment: Unavailable
Cross Channel Documents: XC11230A.PDF,
Gusset Plate Documents: Unavailable
Fracture Critical Inspection Documents: Unavailable
Fatigue Prone Detail Documents: Unavailable
Sign Structures Documents: Unavailable
Timber Boring Documents: TB11230A.PDF,
Underwater Documents: UW11230A.pdf,
Bridge Scour Plan: Unavailable

Attachment A

60.0 **Suff Rating**
Not Deficient

Oregon Department of Transportation
Structure and Inventory Appraisal Report

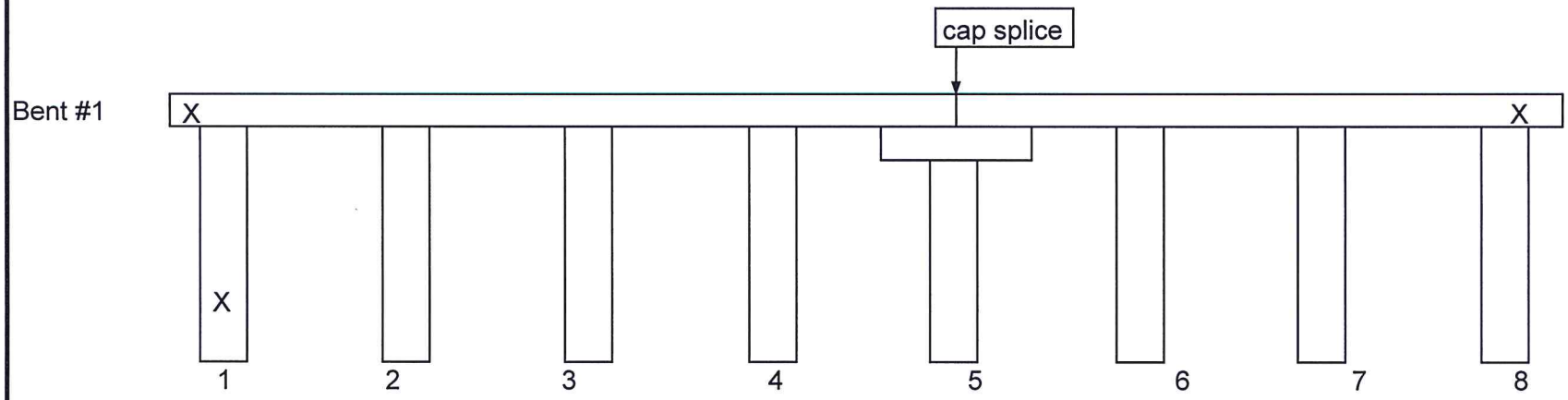
Bridge NO: 11230A
InspDate: 4/30/15

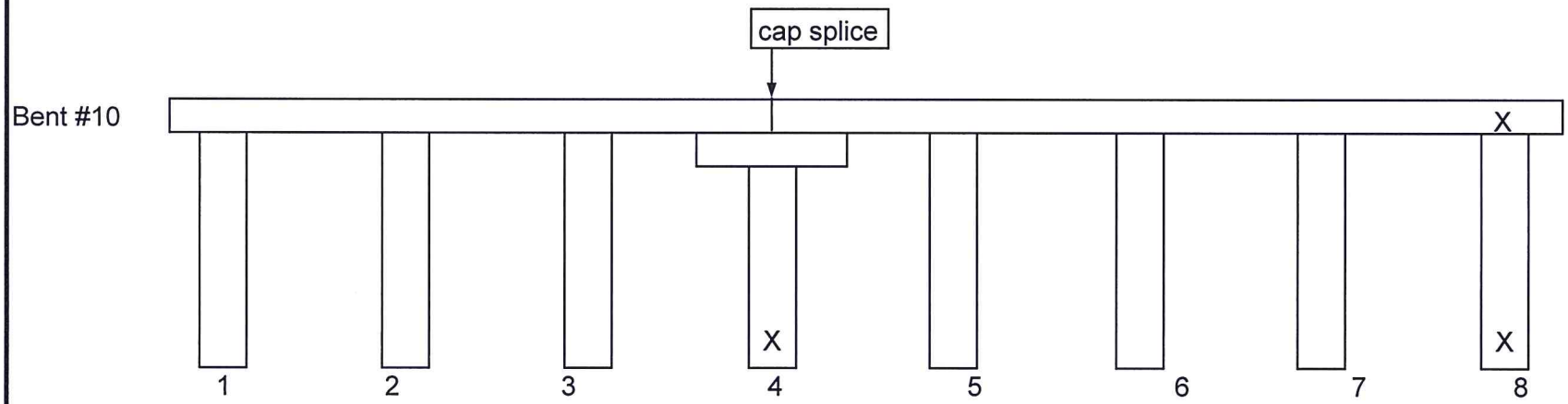
(122) Highway/CO RD	C0000
(2) Highway District	District 1
(3) County	Clatsop
(4) City	00000
(5) Inventory Route	141C10040
(6) Feature INT	NEACOXIE LAKE
(7) Facility Carried	SUNSET BEACH RD
(8) Structure Number	11230A100400046
(9) Location	005 MI W HWY 101 JCT
(10) Vert Clearance	99.99ft
(11) Mile Post	0.46mi
(16) Latitude	460602.09
(17) Longitude	1235542.53
(19) Bypass Detour	5.95mi
(20) TOLL	3 On free road
(21) Custodian	County Hwy Agency
(22) Owner	County Hwy Agency
(26) Func Class	08 Rural min Collector
(27) Year Built	1963
(28) Lanes	on: 2 / under: 0
(29) Average Daily Traffic	1797
(30) Year of ADT	2010
(31) Design Load	0 Unknown
(32) Approach Roadway	26.00ft
(33) Bridge Median	0 No median
(34) Skew	0°
(35) Structure Flared	0 No flare
(36) Traffic Safety Feature	0000
(37) Historical Significance	5
(38) Navigation Control	0
(39) Navigation Vert Clear	0.00ft
(40) Navigation Horz Clear	0.00ft
(41) Open Status	A
(42A) Type Service On	5
(42B) Type Service Under	5
(12) Base Highway Network	0
(13) LRS Inventory Route	000000000000
(105) Federal Lands HWY	0

(43) Struct Main	5 Prestressed Concrete
	01 Slab
(44) Struct Appr	0 Not Applicable
	00 Not Applicable
(45) Number Main Spans	9
(46) Number Appr Spans	0
(47) Horizontal Clearance	23.80ft
(48) Maximum Span Length	34.00ft
(49) Structure Length	306.00ft
(50) Sidewalk Width LT	0.00ft
(50) Sidewalk Width RT	4.80ft
(51) Bridge Roadway Width	23.80ft
(52) Deck Width	32.30ft
(53) Vert Clear Over Deck	99.99ft
(54) Vert Clear Under Deck	N 0.00ft
(55) Min Lat Underclear CD	N 0.00ft
(56) Min Lat Underclear	L 0.00ft
***** CONDITION *****	
(58) Deck	7
(59) SuperStructure	7
(60) SubStructure	6
(61) Channel	8
(62) Culvert	N
(64) Operating Rating	34.00ton
(66) Inventory Rating	20.00ton
*****APPRAISAL*****	
(67) Structure Condition	5
(68) Deck Geometry	4
(69) Underclearance	N
(70) Posting	5
(71) Waterway Adequacy	8
(72) APPR RDWY Alignment	8
(75) Type of Work	8
(76) Improvement Length	
(90) Inspection Date	04/30/2015
(91) Inspection Frequency	24
(63) Oper Rating Method	2

(65) Inv Rating Method	2
(92) Critical Feat Insp	(93) Date
(A)Fracture Crit	
(B)Underwater Insp	Y 60 Oct 22 2013
(94) Cost of Improvement	
(95) Roadway Improvement	
(96) Project Improvement	0
(97) Year of Improvement	
(98) Border BRST-Code	_
(100) Defense Highway	0
(101) Parallel Structure	N
(102) Direction of Traffic	2
(103) Temporary Structure	
(104) Highway System	0
(106) Year Reconstructed	
(107) Deck Structure	9
(108) Wearing Surface	600
(109) Truck ADT	10
(110) Designated National Network	0
(111) Pier Protection	
(112) NBIS Bridge Length	Y
(113) Scour Critical Bridge	5
(114) Future ADT	1967
(115) Year of Future ADT	2030
(116) Vert-Lift Clearance	
*****State Information*****	
(117) Est Maint Cost	
(118) Culvert Length	
(119) Culvert Inside Height	
(120) Inspector	Mark Frymoyer (C0081)
(125) Embankment Erosion	5

TIMBER BORING REPORT



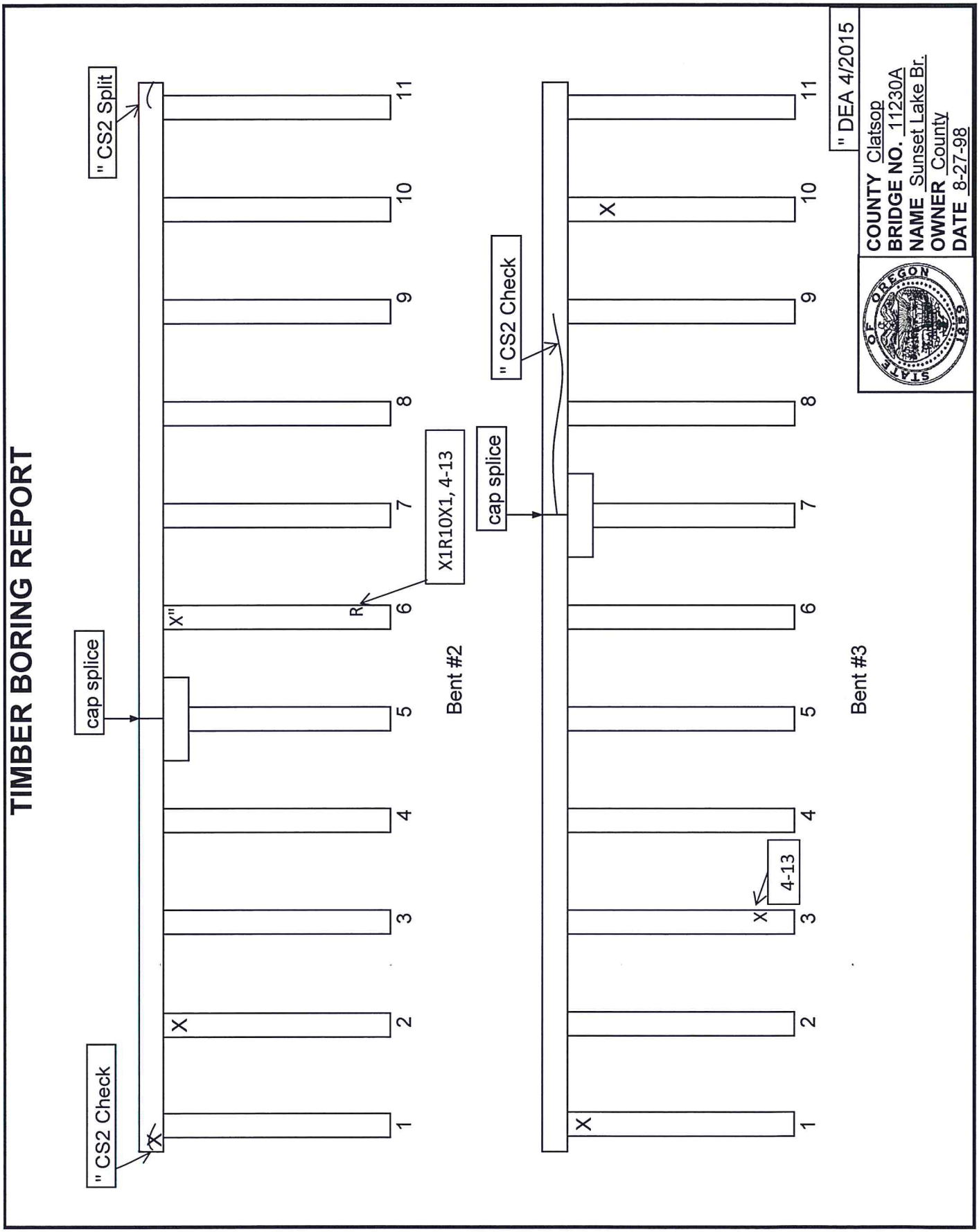


" DEA 4/2015

COUNTY Clatsop
BRIDGE NO. 11230A
NAME Sunset Lake Br.
OWNER County
DATE 8-27-98

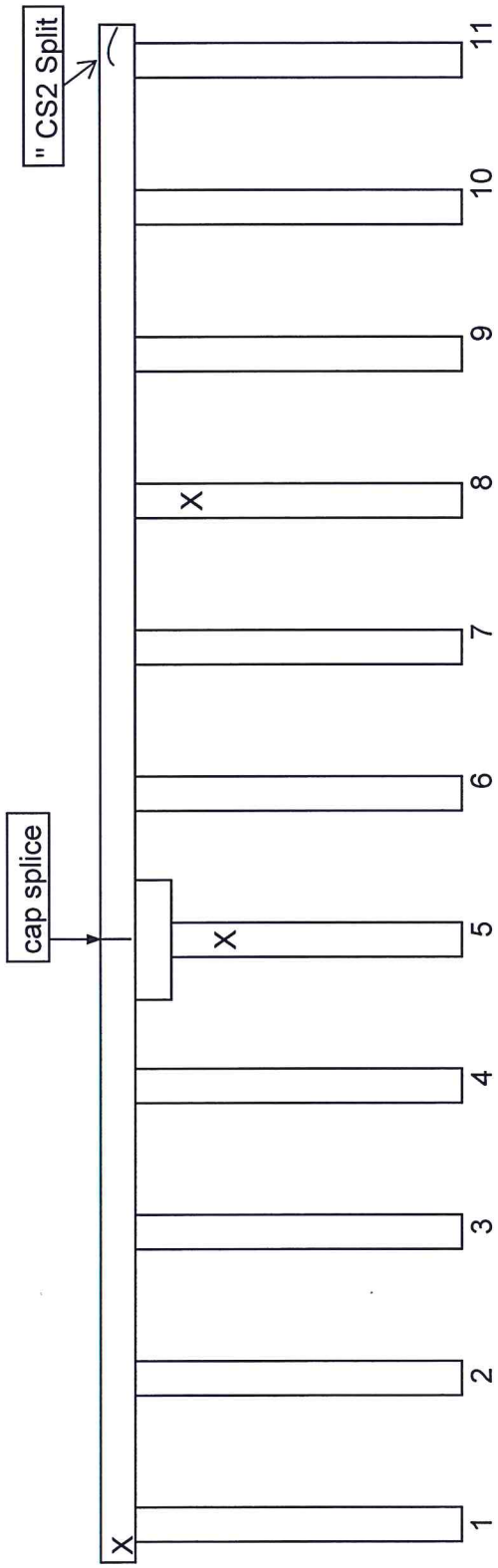
Attachment A

Attachment A

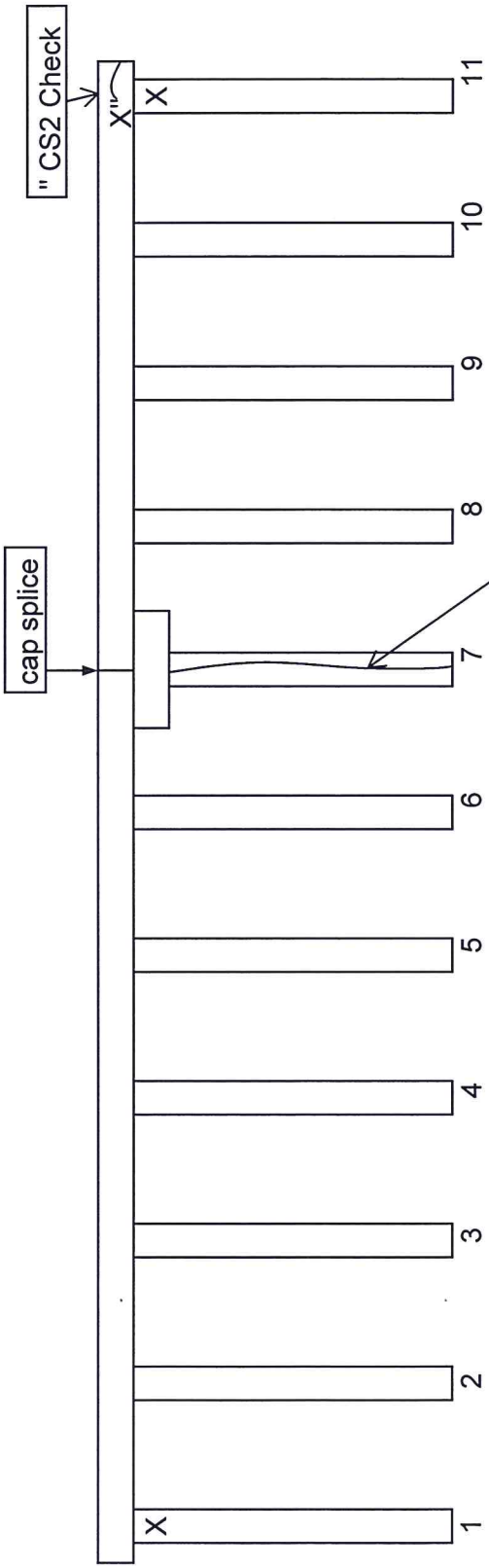


Attachment A

TIMBER BORING REPORT



Bent #4

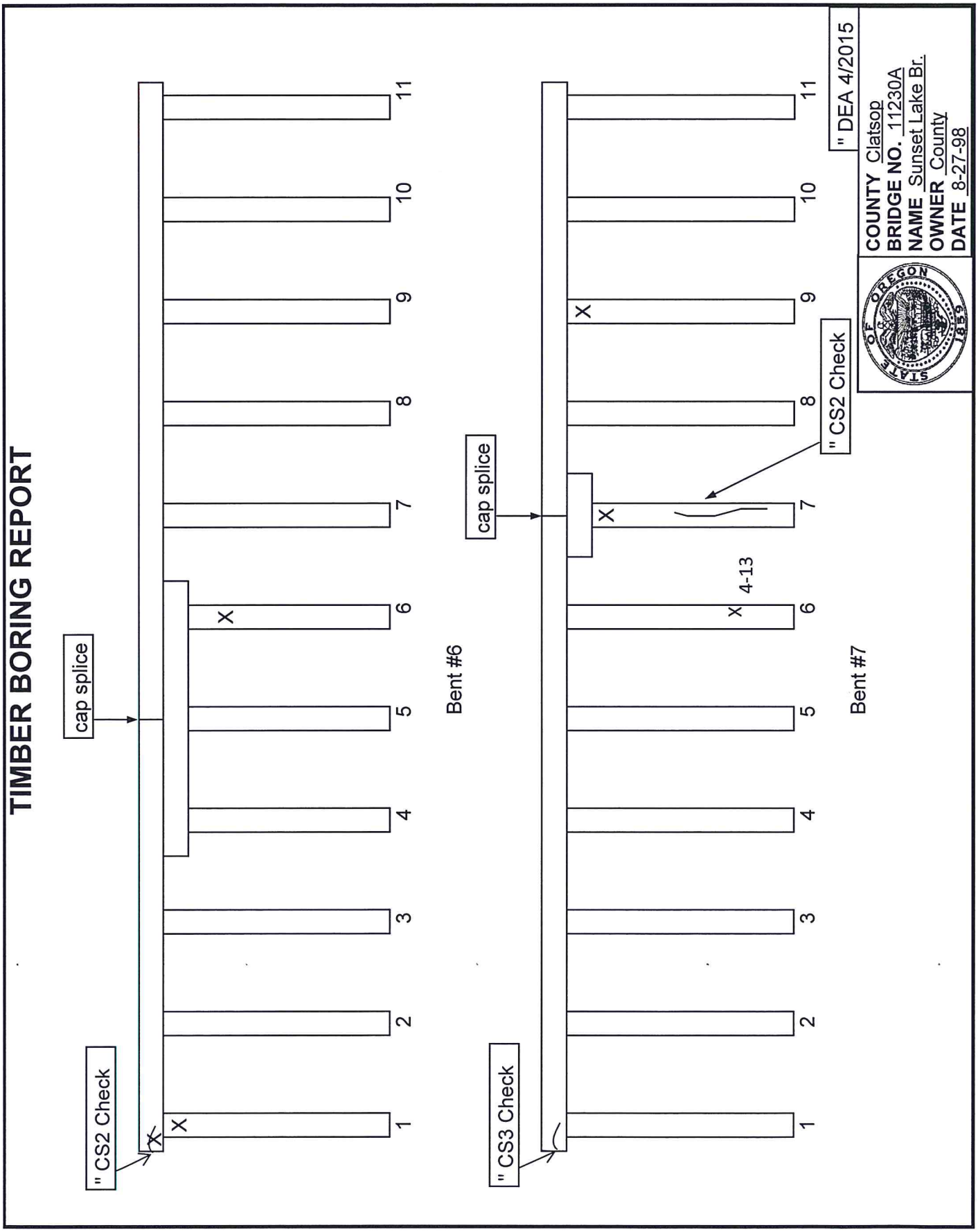


Bent #5

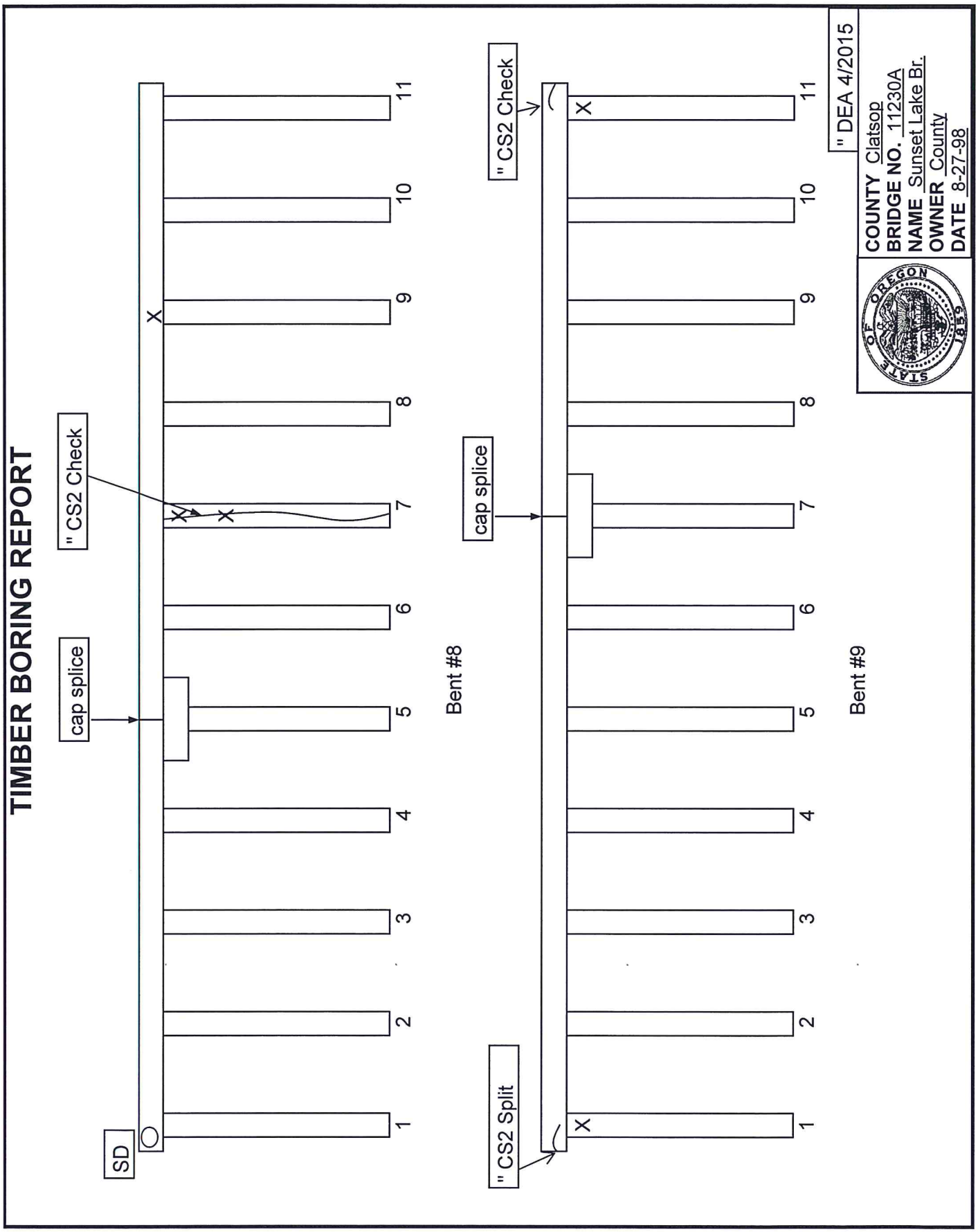
" DEA 4/2015

COUNTY Clatsop
BRIDGE NO. 11230A
NAME Sunset Lake Br.
OWNER County
DATE 8-27-98

Attachment A



Attachment A



TIMBER BORING REPORT

NORTH

WEST

EAST

Bent 10

Bent 1

SOUTH

BRIDGE PLAN VIEW

" DEA 4/2015

COUNTY Clatsop
BRIDGE NO. 11230A
NAME Sunset Lake Br.
OWNER County
DATE 8-27-98

Attachment A