

# WSDOT Challenges and Successes

## In Southwest Washington RTPO

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Asst. Regional Administrator for Engineering



Washington State Transportation Commission  
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# Transportation Partnership Act Bridges Replaced in SWRTPO



# Transportation Partnership Act Bridges in SWRTPO

## Functionally Obsolete Bridges



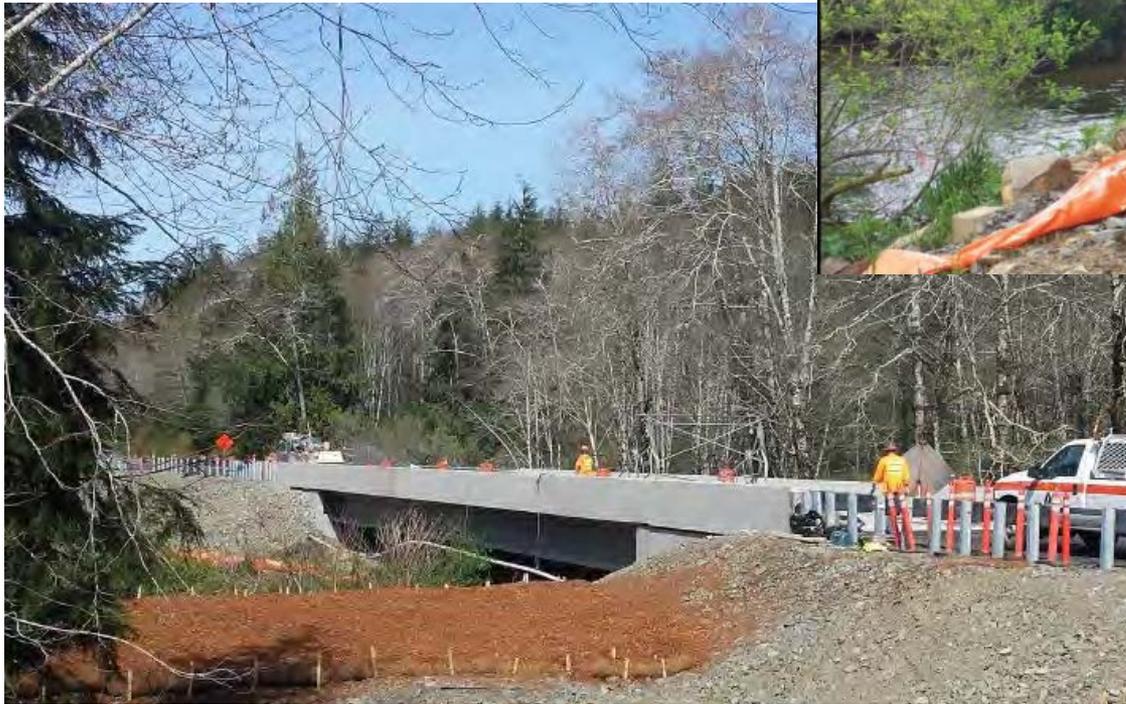
# SR 6 Rock Creek Bridges



# SR 6 Willapa River Bridge



# US 101 Middle Nemah Bridge



# US 101 Bone River Bridge



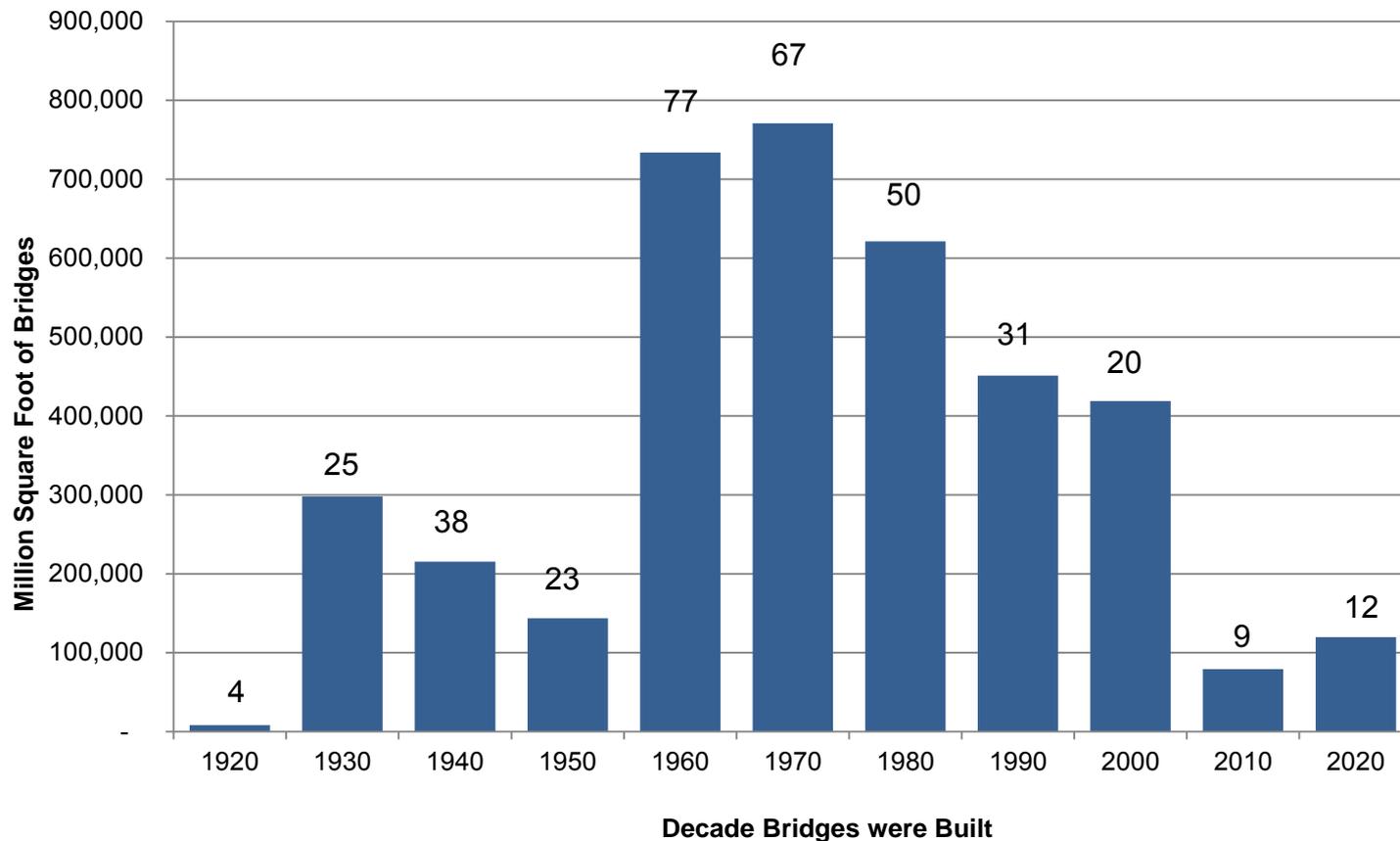
# SR 105 North River Bridge



# SR 105 Smith Creek



# WSDOT Bridges in SW-RTPO



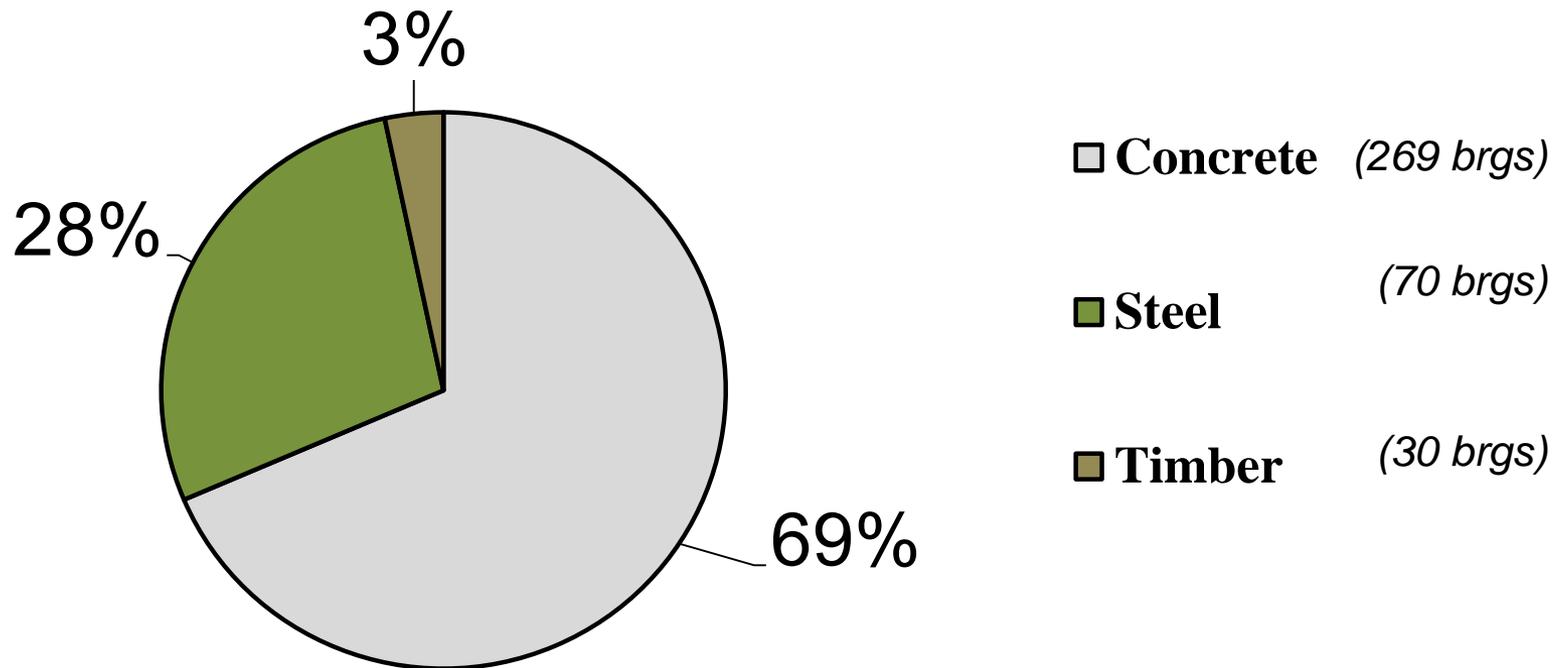
353 Structures (3.8M sq. ft.) (*Average Age = 52 yrs*)

75+ yrs old – 67 bridges (0.52 million sq ft)

50+ yrs old - 214 bridges (1.7 million sq ft)

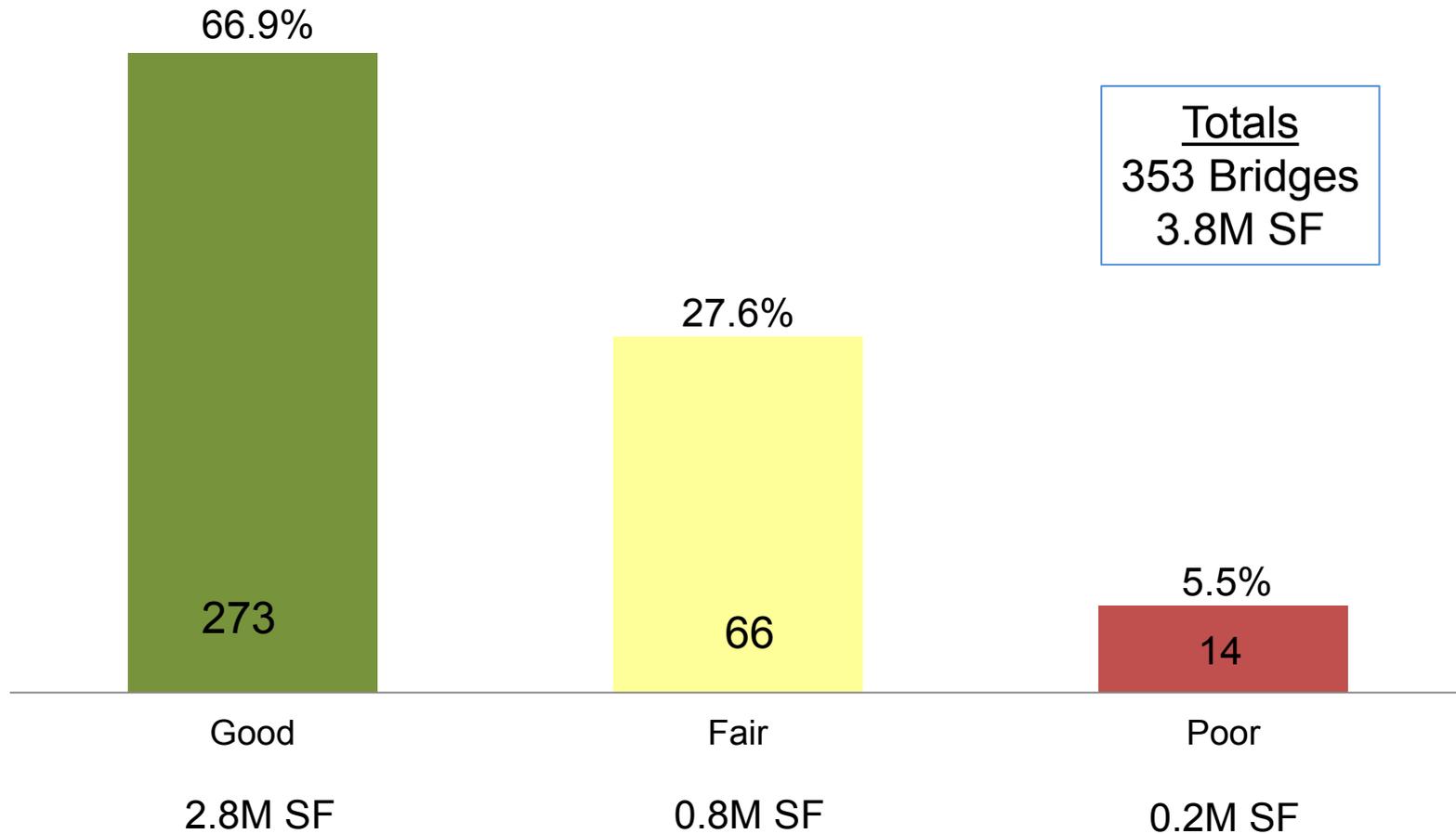
# WSDOT Bridges in SW-RTPO

## Material Types by Bridge Spans



*% based on bridge deck area*

# WSDOT Bridge Conditions in SW-RTPO



# WSDOT Steel Bridges in SW-RTPO

Painting Steel Bridges  
(10 year Needs vs. 6 year Plan)

County	# Brgs	10yr Needs \$	6yr Plan \$	# Brgs
Cowlitz	11	\$44.6M	\$0	0
Grays Harbor	11	\$45.0M	\$8.6M	4
Lewis	15	\$23.6M	NA	2
Pacific	1	\$0.2M	\$0	0
Wahkiakum	5	\$12.8M	\$7.5	1
ODOT (Astoria)	1	\$11.2M	\$11.2M	1
Totals	44	\$137.2M	\$27.3M	8

# SR 508 South Fork Newaukum River Bridge

## Emergency - Bailey Bridge Installation







CALL US 30  
DANGER  
ELECTRICAL SHOCK  
SEE INSTRUCTIONS









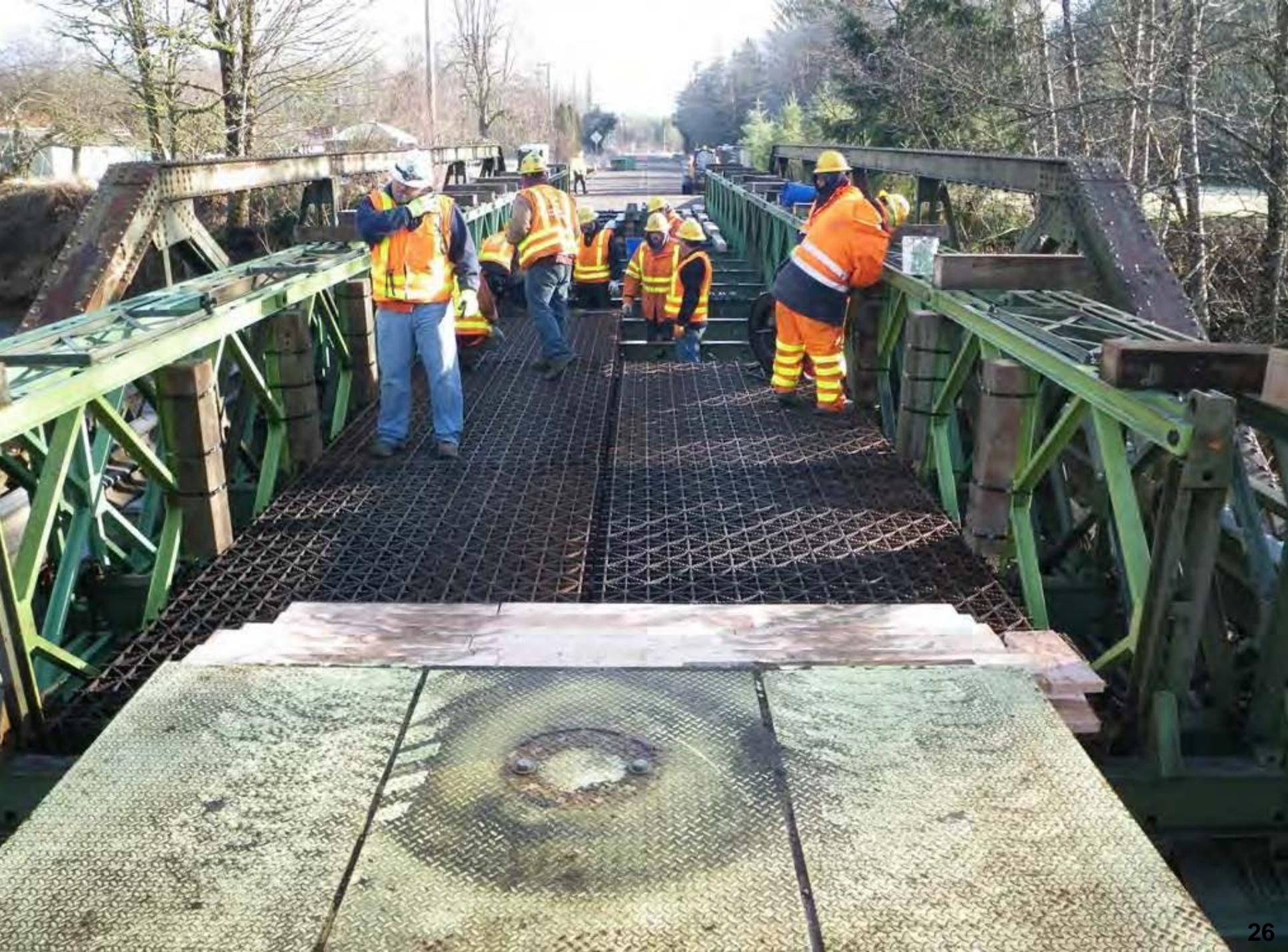


























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STOP

YIELD  
TO  
ONCOMING  
TRAFFIC

# Questions about the Bailey Bridge?

# SR 4 Washout near Naselle Youth Camp

January 2015



# SR 4 Washout near Naselle Youth Camp



# SR 4 Washout Close Highway



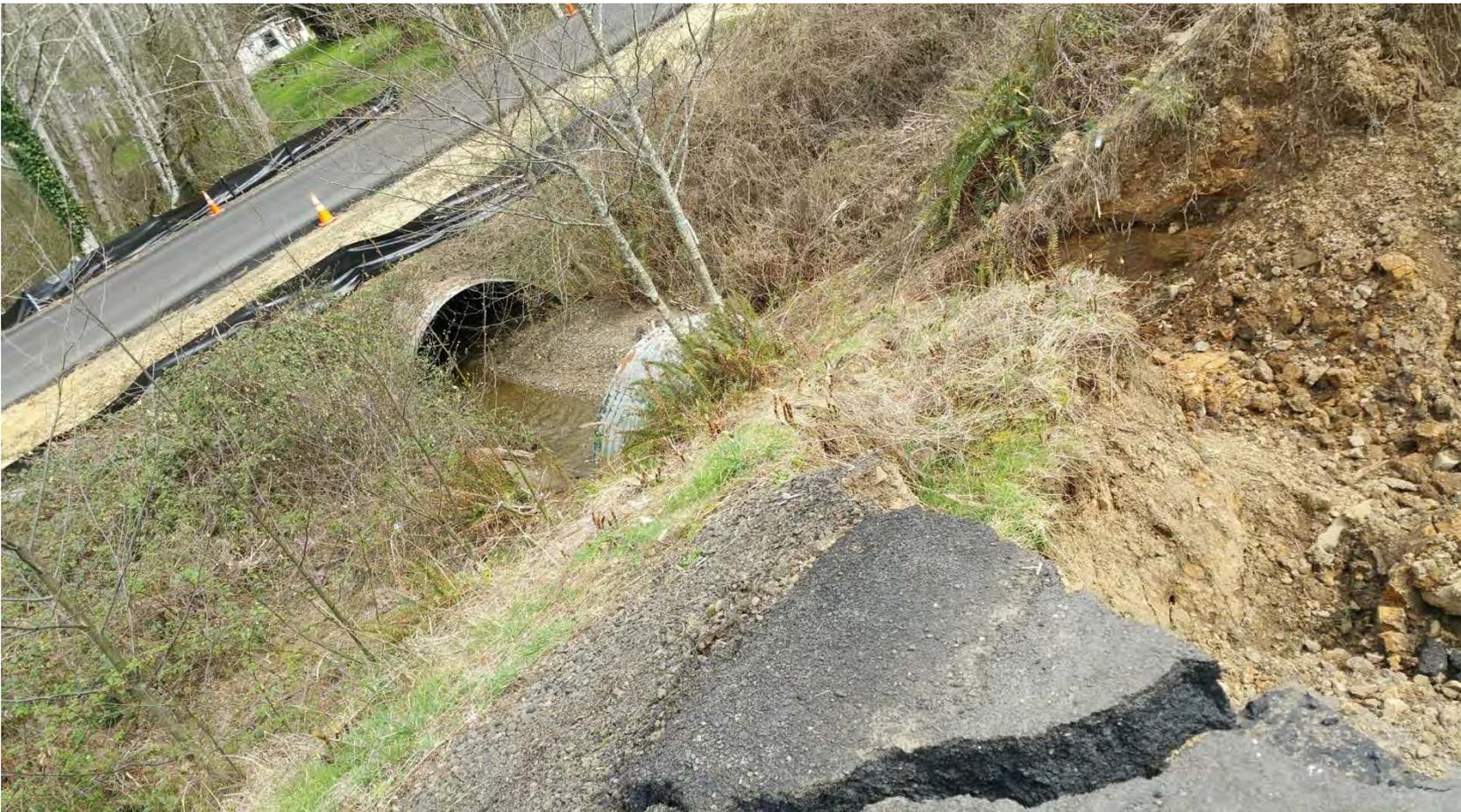
# SR 4 Washout Build Shoofly Detour



# SR 4 Washout Build Shoofly Detour



# SR 4 Washout Detour Culvert



# SR 4 Half Bridge



# SR 4 Half Bridge



# SR 4 Half Bridge

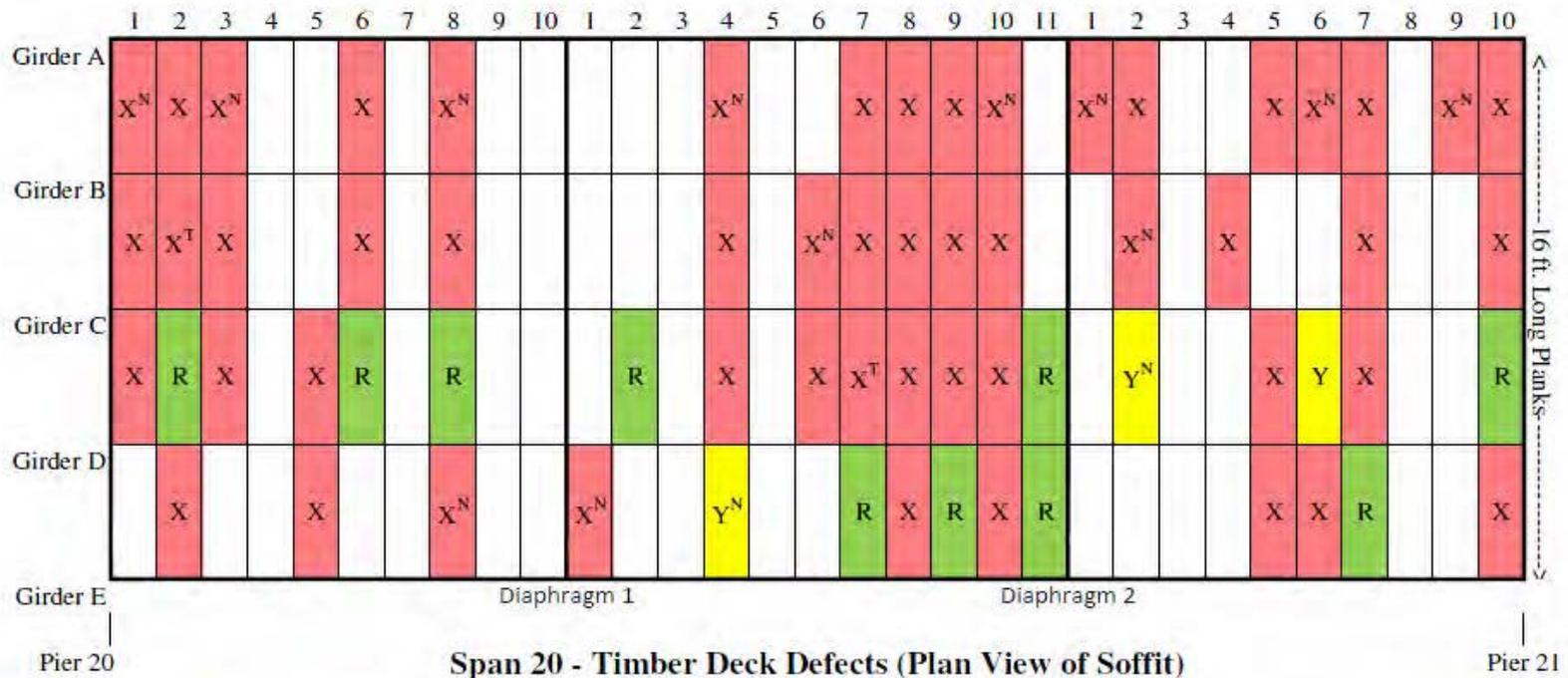
## Wood Deck Decay



# SR 4 Half Bridge Temporary Bracing



# SR 4 Half Bridge Wood Deck Decay



Y = YELLOW TAG  
Y<sup>N</sup> = YELLOW TAG (NEW)

X = RED TAG  
X<sup>N</sup> = RED TAG (NEW)  
X<sup>T</sup> = RED TAG (HOLED THROUGH)

R = REPAIRED

Planks = 6" deep x 12" wide x 16 ft. long

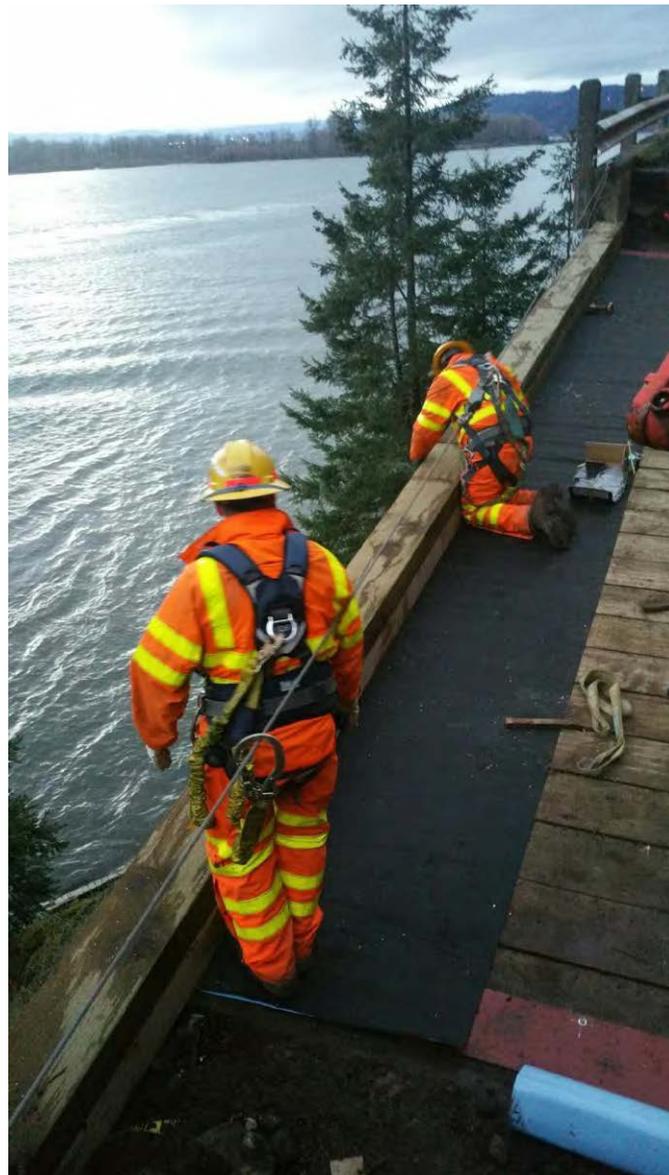
2012 = 25 Red Tags  
2013 = 41 Red Tags  
2014 = 52 Red Tags

Last Revision: 11/18/2014

## SR 4 Half Bridge Steel Stringers Exposed



# SR 4 Half Bridge Membrane over New Wood Deck



# SR 4 Half Bridge Repairs Complete



# Questions?

For additional information on WSDOT's challenges and successes in the SW-RTPO, please contact:

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