



# Oregon

Theodore R. Kulongoski, Governor

Department of Transportation

Office of the Director

Rm 135

355 Capitol St. NE

Salem, Oregon 97301-3871

August 29, 2007

The Honorable Theodore Kulongoski  
Governor of Oregon  
900 Court Street NE, Room 254  
Salem, OR 97301

FILE CODE:

Re: Bridge Inspections

Dear Governor Kulongoski:

As we committed, here is today's update on the inspection of steel deck truss bridges which you directed ODOT to perform. The inspection on the following structure was completed today:

- 1.) The East Fork Hood River Bridge. No imminent safety issues were found.

With this report we have completed all the state bridge inspections and all but one of the local agency bridge inspections. The only steel deck truss structure that remains to be inspected is a local agency structure, the Willamette River (Sellwood) Bridge, which carries Tacoma Street in Portland. The inspection of that structure was scheduled for September 9<sup>th</sup> due to the end of summer traffic impacts that a lane closure would have on Oaks Park.

This will be the last of the daily reports until inspection of the Willamette River (Sellwood) Bridge is complete.

Summary:

- We inspected or reviewed recent inspections of 45 Deck Truss Bridges in 5 weeks, plus Sellwood on Sept 9.
- We coordinated with Motor Carrier Transportation Division to minimize impacts to freight mobility during the inspections.
- We conducted night inspections in high traffic areas.
- We used consultants and state forces.

Findings: \*

1. Minor fatigue cracking was found on six bridges. (This is normal wear and tear on steel bridges built before modern fatigue design was developed in the 1970's.)
2. Moderate to severe paint problems were found on three state bridges and three local agency bridges. This means the bridge needs to be painted.
3. Minor corrosion of steel members was found on three state bridges and two local agency bridges. This means that some rust is present.

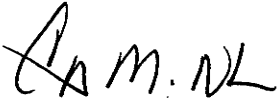


4. Bridge deck wear was not specifically noted on the spreadsheet, but is a common finding on all of the state bridges. This means that the riding surface is rough and/or has ruts in the wheel tracks.

\*Some bridges have exhibited more than one of the issues.

These issues will be addressed in our maintenance program. Attached is a complete listing of the bridges that were scheduled for special inspections.

Sincerely,

Handwritten signature of Doug Tindall in black ink.

*for* Doug Tindall,  
Deputy Director for Highway Division

Attachment

# Steel Deck Truss Hands-on Inspection Schedule

## State Bridges

Schedule	Status	Route	MP	Structure Name	Owner	YR Built	Suf Rat	Sfr Stat	Remarks
2/13/2007	inspection complete	I-5	120.57n	South Umpqua River (I - 5 / Shady) Bridge	State	1955	30.4	SD	No imminent safety issues found
3/22/2007	inspection complete	Pendleton - John Day Hwy (US 395)	60.93	Camas Creek	State	1932	59.7	SD	No imminent safety issues found
3/22/2007	inspection complete	Pendleton - John Day Hwy (US 395)	63.81	North Fork John Day River (Dale)	State	1932	45.4	SD	No imminent safety issues found
5/15/2007	inspection complete	Necanicum Hwy (OR 53)	7.74	North Fork Nehalem R	State	1937	82.9	Not Def	No imminent safety issues found
5/23/2007	inspection complete	Warms Springs Highway (US 26)	92.68	Mill Creek	State	1948	86.4	Not Def	No imminent safety issues found
6/12/2007	inspection complete	Pacific Hwy (OR 99W)	-0.36	Willamette River (Steel Br)	Railroad	1910	68.7	FO	No imminent safety issues found, although some minor fatigue cracking on secondary members
7/23/2007	inspection complete	I-5	300.38	Willamette River, Hwy 1 (I - 5 / Marquam) Bridge	State	1966	81.0	FO	No imminent safety issues found. Fatigue crack found in floorbeam web; re-initiation of cracks in knee braces at U13 & U21 (orig. repaired 1995);
7/23/2007	inspection complete	I-5	120.57s	South Umpqua River (I - 5 / Shady) Bridge	State	1964	48.7	FO	No imminent safety issues found
7/25/2007	inspection complete	I-5	112.57s	South Umpqua River (I-5 / Booth Ranch) Bridge	State	1965	52.4	FO	No imminent safety issues found. Fatigue crack found in May 2007 at end of weld on the floor beam web stiffener interface. Repair design by Region 3 Tech center complete, repairs scheduled for October 2007.
8/6/2007	inspection complete	Coast Hwy (US 101)	347.78	Thomas Creek	State	1961	70.5	Not Def	No imminent safety issues found - New paint job, looks very good.
8/7/2007	inspection complete	Pacific Hwy (OR 99E)	22.03	Molalla River	State	1936	26.5	SD	No imminent safety issues found
8/7/2007	inspection complete	Powers Highway	18.22	South Fork Coquille River (Powers) Bridge	State	1934	50.8	FO	No imminent safety issues found
8/8/2007	inspection complete	Mt Hood Hwy (US 26)	0.77	Willamette River (Ross Island)	State	1926	42.4	FO	No imminent safety issues found. Paint system is failing, rust and corrosion present, hanger pins frozen due to rust.
8/8/2007	inspection complete	Pacific Hwy (OR 99W)	34.96s	North Yamhill River	State	1921	44.3	FO	No imminent safety issues found. Rust and corrosion present
8/13/2007	inspection complete	Crater Lake Hwy (OR 62)	35.41	Rogue River (Peyton) Bridge	State	1975	96.0	Not Def	No imminent safety issues found
8/14/2007	inspection complete	I-5	124.54s	South Umpqua River (I - 5 SB / Vets) Bridge	State	1955	91.3	Not Def	No imminent safety issues found
8/15/2007	inspection complete	I-5	124.54n	South Umpqua River (I - 5 NB / Vets) Bridge	State	1976	64.4	Not Def	No imminent safety issues found
8/16/2007	inspection complete	I-5	128.92s	N Umpqua River (I - 5 SB / Winchester) Br	State	1964	70.9	Not Def	No imminent safety issues found
8/17/2007	inspection complete	I-5	128.92n	N Umpqua River (I - 5 NB / Winchester) Br	State	1955	9.4	SD	No imminent safety issues found. Work Completed Friday night
8/20/2007	inspection complete	Umpqua Hwy (OR 99)	39.97	Elk Creek, 4th Crossing	State	1931	39.2	FO	No imminent safety issues found Replacement Bridge Under Construction
8/20/2007	inspection complete	Umpqua Hwy (OR 99)	39.64	Elk Creek, 3rd Crossing	State	1932	41.2	FO	No imminent safety issues found Replacement Bridge Under Construction
8/20/2007	inspection complete	Umpqua Hwy (OR 99)	36.39	Elk Creek, 1st Crossing	State	1931	29.2	SD	No imminent safety issues found Replacement Bridge Under Construction
8/21/2007	inspection complete	Coast Hwy (US 101)	311.4	Rinehart Creek	State	1954	66.7	Not Def	No imminent safety issues found, although some minor fatigue cracking on secondary members
8/22/2007	inspection complete	Coos River Hwy	0.42	Isthmus Slough(Eastside)	State	1931	2.0	SD	No imminent safety issues found, although minor timber decay located on secondary members in adjacent timber approach span

Schedule	Status	Route	MP	Structure Name	Owner	Railroad	YR Built	Suf Rat	Str Stat	Remarks
8/23/2007	inspection complete	NE Portland Hwy (Lombard St)	2.4	N Lombard St over BNSF	Multnomah County		1909	75.3	Not Def	No imminent safety issues found. Paint system is failing, rust and corrosion present.
8/24/2007	inspection complete	Coast Hwy (US 101)	0.00	Columbia R (Astoria / Meglar) Br		State	1966	73.0	Not Def	No imminent safety issues found, although some minor fatigue cracking on secondary members
8/27/2007	inspection complete	I.O.N. Hwy (US 95)	52.97	Owyhee River (Rome)		State	1936	65.8	Not Def	No imminent safety issues found
8/27/2007	inspection complete	Pacific Hwy (OR 99W)	12.20S	Tualatin River		State	1929	62.2	FO	No imminent safety issues found, paint failing, corrosion present
8/27/2007	inspection complete	I-84	114.6	John Day River (I-84)		State	1963	77.9	Not Def	No imminent safety issues found, although some minor fatigue cracking on secondary members
8/28/2007	inspection complete	The Dalles - California Hwy (US 107)	45.84	Deschutes River & BNSF (Maupin)		State	1929	55.3	FO	No imminent safety issues found
8/29/2007	inspection complete	Hood River Highway	12.9	East Fork Hood River		State	1934	37.9	Not Def	No imminent safety issues found
8/28/2007	inspection complete	NE Portland Hwy (Lombard St)	0.91	Willamette R (St Johns) Br		State	1931	50.0	FO	No imminent safety issues found, although some minor fatigue cracking on secondary members
	Bridge Closed	Wallowa Lake Hwy Frontage Rd		Grande-Ronde R (Rhinehart) [Closed]		State	1922			Bridge inspection is not scheduled

### Local & Other Agency Bridges

Schedule	Status	Route	MP	Structure Name	Owner	Railroad	YR Built	Suf Rat	Str Stat	Remarks
4/17/2007	inspection complete	NE 33rd Ave, City of Portland		Tualatin River, NE 33rd Ave Ramp	Multnomah County		1939	47.1	FO	No imminent safety issues found
5/1/2007	inspection complete	I-84 White Salmon Conn (Toll Road)		Columbia River, Hwy 2 Conn (White Salmon)	Toll		1924	24.5	SD	No imminent safety issues found
5/9/2007	inspection complete	Toll Road		Columbia R & Hwy 100, Pvt Toll Br (Br of the Go	Toll		1924	68.0	FO	No imminent safety issues found
8/7/2007	inspection complete	Tiller County Road		Diamond Creek, Tiller Trail Hwy	Douglas County		1935	51.6	Not Def	No imminent safety issues found
8/7/2007	inspection complete	Shady County Rd #388		Shady Hwy over Calapooya Creek & SPRR	Douglas County		1925	45.2	FO	No imminent safety issues found
8/7/2007	inspection complete	N Fessenden St, City of Portland		N Fessenden St over BNRR	Railroad		1909	59.9	SD	No imminent safety issues found, rust and corrosion is present.
8/7/2007	inspection complete	N Willamette Blvd, City of Portland		N Willamette Blvd over BNRR	Railroad		1909	47.2	SD	No imminent safety issues found, rust and corrosion is present.
8/8/2007	inspection complete	Morrison St, City of Portland		Willamette River, Morrison St (Morrison)	Multnomah County		1958	78.8	Not Def	No imminent safety issues found, although fatigue crack located on secondary member and on adjacent span to deck truss
8/8/2007	inspection complete	E. Brightwood Loop		Salmon River, East Brightwood Loop	Clackamas County		1929	76.7	Not Def	No imminent safety issues found, paint is failing, rust present
8/8/2007	inspection complete	Ten Eyck County Road		Sandy River, Ten Eyck rd (revenue) br	Clackamas County		1952	21.7	SD	No imminent safety issues found, paint failed, rust and corrosion present
8/8/2007	inspection complete	Sauvie Island County Road		Multnomah Channel (Sauvie Island)	Multnomah County		1948	5.0	SD	No imminent safety issues found, paint is peeling, under construction for replacement
8/16/2007	inspection complete	NE Thurman St, City of Portland		NE Thurman St over Madeley Park	City of Portland		1905	53.7	FO	No imminent safety issues found
8/23/2007	inspection complete	Burnside St, City of Portland		Willamette River, Burnside St (Burnside)	Multnomah County		1926	46.5	FO	No imminent safety issues found
9/9/2007		Tacoma St, City of Portland		Willamette R & Hwy (Sellwood)	Multnomah County		1925	2.0	SD	Weight restricted