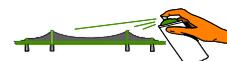


P2 Bridge Preservation - Steel Bridge Painting Projects

2009-11 Bien Priority Array

(Sorted by 2009-11 Priority Number)



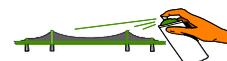
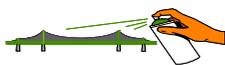
09-11 #	Bridge Number	Bridge Name	Mile Post	Region	Bridge Length	Total Project\$
1	101/1	COL R ASTORIA (N SPAN)		Southwest	149	\$5,000,000
1	101/1(B)	COL R ASTORIA (TRUSS)		Southwest	11,200	\$14,200,000
1	105/108	JOHNS R	37.23	Olympic	583	\$659,630
1	525/10	BN RR OC (GN)	8.36	Northwest	228	\$254,000
1	542/30	N FK NOOKSACK R WARNIC	30.87	Northwest	251	\$297,020
2	97/1	BIGGS RAPIDS-SAM HILL BR	0.00	Southwest	2,567	\$5,541,000
3	5/40W	LEWIS R	19.83	Southwest	1,310	\$4,608,000
4	5/40E	LEWIS R	19.87	Southwest	1,076	\$3,351,000
5	5/322	I-5 OC CAPITOL BLVD	104.77	Olympic	283	\$644,868
6	509/101	F B HOIT	7.85	Northwest	562	\$1,576,000
7	509/103	JOES CREEK	9.93	Northwest	264	\$700,000
8	141/5	WHITE SALMON RIVER	8.70	Southwest	188	\$384,000
9	12/76	BLACK R	37.59	Olympic	169	\$134,000
10	101/125W	HOQUIAM R-SIMPSON CS141	86.76	Olympic	1,980	\$2,552,000
11	99/560	AURORA AVE-G WASH MEM	34.14	Northwest	2,955	\$25,000,000
12	9/118	SNOHOMISH R	9.17	Northwest	1,111	\$707,000
13	409/10	JULIA BUTLER HANSEN BR	2.92	Southwest	2,615	\$4,776,000
14	18/17S	GREEN R (NEELEY BRIDGE)	6.62	Northwest	371	\$732,000
15	5/670W	STILLAGUAMISH R	209.35	Northwest	859	\$1,897,500
16	27/12	N FK PALOUSE R	15.02	Eastern	130	\$328,000
17	207/4	WENATCHEE RIVER	4.22	North Central	216	\$580,000
18	21/334	KETTLE R	181.00	Eastern	205	\$720,000
19	9/122	SR 9 OC, BICKFORD AVE	10.87	Northwest	192	\$250,000
20	25/130	COLUMBIA R @ NORTHPORT	113.92	Eastern	1,540	\$3,501,000
21	12/328S	NACHES R NELSON	198.66	South Central	314	\$900,000
22	12/328N	NACHES R NELSON	198.66	South Central	304	\$474,000
23	12/309	WILDCAT CR	165.95	Southwest	149	\$200,000
24	7/105	MASHEL R	27.91	Olympic	195	\$297,000
25	5/828W	NOOKSACK R	263.05	Northwest	897	\$804,000
26	5/828E	NOOKSACK R	263.05	Northwest	905	\$888,000
27	101/310	SOL DUC R	194.30	Olympic	262	\$432,000
28	131/15	CHILCOAT	1.82	Southwest	435	\$645,000
29	5/526.1	ARCHIE CODIGA BRIDGE	156.48	Northwest	930	\$744,000



P2 Bridge Preservation - Steel Bridge Painting Projects

2009-11 Bien Priority Array

(Sorted by 2009-11 Priority Number)



09-11 #	Bridge Number	Bridge Name	Mile Post	Region	Bridge Length	Total Project\$
30	305/10	AGATE PASS	6.82	Olympic	1,229	\$4,749,000
31	4/106A	GRAYS R ROSBURG	15.07	Southwest	1,010	\$288,000
32	101/320	SOL DUC R	211.55	Olympic	306	\$588,000
33	109/10	HUMPTULIPS R	10.24	Olympic	364	\$904,000
34	504/15	N FK TOUTLE R KID VALLEY	17.29	Southwest	493	\$657,000
35	101/256	BIG QUILCENE R	296.67	Olympic	244	\$484,000
36	122/10	MOSSYROCK	6.56	Southwest	305	\$200,000
37	107/4	CHEHALIS R	6.83	Olympic	1,302	\$957,000
38	4/209	HALF BR W OF BUNKER HILL	49.80	Southwest	279	\$100,000
39	542/33	GLACIER CR	33.49	Northwest	84	\$200,000
40	411/9	CASTLEROCK BRIDGE	12.37	Southwest	490	\$1,752,000
41	5/345W	NISQUALLY R	114.86	Olympic	430	\$2,024,000
42	5/345E	NISQUALLY RIVER	114.86	Olympic	447	\$2,120,000
43	536/15	SKAGIT R CS2907	4.72	Northwest	675	\$1,602,000
44	101/322	SOL DUC RIVER #5	212.46	Olympic	336	\$588,000
45	202/60	SNOQUALMIE R	26.00	Northwest	444	\$852,000
46	4/120	SKAMOKAWA CR CS3505	28.92	Southwest	239	\$584,000
47	4/125	ELOCHOMAN RIVER	33.71	Southwest	165	\$640,000
48	530/290	ROCKPORT BRIDGE	67.34	Northwest	506	\$735,000
49	167/127W	BN RR OC (NP)	20.96	Northwest	314	\$450,000
50	20/204	DECEPTION PASS	41.81	Northwest	976	\$4,672,000
51	101/150	HUMPTULIPS R	109.00	Olympic	450	\$1,407,000
52	410/101	WHITE R	21.99	Northwest	292	\$717,000
53	101/308	CALAWAH R	192.36	Olympic	264	\$238,500
54	529/20E	STEAMBOAT SL CS3115	5.44	Northwest	910	\$3,044,000
55	82/280S	COLUMBIA R BR @ UMATILLA	132.36	South Central	3,380	\$11,211,000
56	432/10S	COWLITZ R & NP RY OC	9.58	Southwest	1,676	\$954,000
57	90/25S	LACEY V. MURROW BRIDGE	4.24	Northwest	8,981	\$8,700,000

Total Number of Bridges = 61

Total Project \$ = \$135,194,518



P2 Bridge Preservation - Steel Bridge Painting Projects

2009-11 Bien Priority Array

(Sorted by Bridge Number)



09-11 #	Bridge Number	Bridge Name	Mile Post	Region	Bridge Length	Total Project\$
31	4/106A	GRAYS R ROSBURG	15.07	Southwest	1,010	\$288,000
46	4/120	SKAMOKAWA CR CS3505	28.92	Southwest	239	\$584,000
47	4/125	ELOCHOMAN RIVER	33.71	Southwest	165	\$640,000
38	4/209	HALF BR W OF BUNKER HILL	49.80	Southwest	279	\$100,000
4	5/40E	LEWIS R	19.87	Southwest	1,076	\$3,351,000
3	5/40W	LEWIS R	19.83	Southwest	1,310	\$4,608,000
5	5/322	I-5 OC CAPITOL BLVD	104.77	Olympic	283	\$644,868
42	5/345E	NISQUALLY RIVER	114.86	Olympic	447	\$2,120,000
41	5/345W	NISQUALLY R	114.86	Olympic	430	\$2,024,000
29	5/526.1	ARCHIE CODIGA BRIDGE	156.48	Northwest	930	\$744,000
15	5/670W	STILLAGUAMISH R	209.35	Northwest	859	\$1,897,500
26	5/828E	NOOKSACK R	263.05	Northwest	905	\$888,000
25	5/828W	NOOKSACK R	263.05	Northwest	897	\$804,000
24	7/105	MASHEL R	27.91	Olympic	195	\$297,000
12	9/118	SNOHOMISH R	9.17	Northwest	1,111	\$707,000
19	9/122	SR 9 OC, BICKFORD AVE	10.87	Northwest	192	\$250,000
9	12/76	BLACK R	37.59	Olympic	169	\$134,000
23	12/309	WILDCAT CR	165.95	Southwest	149	\$200,000
22	12/328N	NACHES R NELSON	198.66	South Central	304	\$474,000
21	12/328S	NACHES R NELSON	198.66	South Central	314	\$900,000
14	18/17S	GREEN R (NEELEY BRIDGE)	6.62	Northwest	371	\$732,000
50	20/204	DECEPTION PASS	41.81	Northwest	976	\$4,672,000
18	21/334	KETTLE R	181.00	Eastern	205	\$720,000
20	25/130	COLUMBIA R @ NORTHPORT	113.92	Eastern	1,540	\$3,501,000
16	27/12	N FK PALOUSE R	15.02	Eastern	130	\$328,000
55	82/280S	COLUMBIA R BR @ UMATILLA	132.36	South Central	3,380	\$11,211,000
57	90/25S	LACEY V. MURROW BRIDGE	4.24	Northwest	8,981	\$8,700,000
2	97/1	BIGGS RAPIDS-SAM HILL BR	0.00	Southwest	2,567	\$5,541,000
11	99/560	AURORA AVE-G WASH MEM	34.14	Northwest	2,955	\$25,000,000
1	101/1	COL R ASTORIA (N SPAN)		Southwest	149	\$5,000,000
1	101/1(B)	COL R ASTORIA (TRUSS)		Southwest	11,200	\$14,200,000
10	101/125W	HOQUIAM R-SIMPSON CS141	86.76	Olympic	1,980	\$2,552,000
51	101/150	HUMPTULIPS R	109.00	Olympic	450	\$1,407,000



P2 Bridge Preservation - Steel Bridge Painting Projects

2009-11 Bien Priority Array

(Sorted by Bridge Number)



09-11 #	Bridge Number	Bridge Name	Mile Post	Region	Bridge Length	Total Project\$
35	101/256	BIG QUILCENE R	296.67	Olympic	244	\$484,000
53	101/308	CALAWAH R	192.36	Olympic	264	\$238,500
27	101/310	SOL DUC R	194.30	Olympic	262	\$432,000
32	101/320	SOL DUC R	211.55	Olympic	306	\$588,000
44	101/322	SOL DUC RIVER #5	212.46	Olympic	336	\$588,000
1	105/108	JOHNS R	37.23	Olympic	583	\$659,630
37	107/4	CHEHALIS R	6.83	Olympic	1,302	\$957,000
33	109/10	HUMPTULIPS R	10.24	Olympic	364	\$904,000
36	122/10	MOSSYROCK	6.56	Southwest	305	\$200,000
28	131/15	CHILCOAT	1.82	Southwest	435	\$645,000
8	141/5	WHITE SALMON RIVER	8.70	Southwest	188	\$384,000
49	167/127W	BN RR OC (NP)	20.96	Northwest	314	\$450,000
45	202/60	SNOQUALMIE R	26.00	Northwest	444	\$852,000
17	207/4	WENATCHEE RIVER	4.22	North Central	216	\$580,000
30	305/10	AGATE PASS	6.82	Olympic	1,229	\$4,749,000
13	409/10	JULIA BUTLER HANSEN BR	2.92	Southwest	2,615	\$4,776,000
52	410/101	WHITE R	21.99	Northwest	292	\$717,000
40	411/9	CASTLEROCK BRIDGE	12.37	Southwest	490	\$1,752,000
56	432/10S	COWLITZ R & NP RY OC	9.58	Southwest	1,676	\$954,000
34	504/15	N FK TOUTLE R KID VALLEY	17.29	Southwest	493	\$657,000
6	509/101	F B HOIT	7.85	Northwest	562	\$1,576,000
7	509/103	JOES CREEK	9.93	Northwest	264	\$700,000
1	525/10	BN RR OC (GN)	8.36	Northwest	228	\$254,000
54	529/20E	STEAMBOAT SL CS3115	5.44	Northwest	910	\$3,044,000
48	530/290	ROCKPORT BRIDGE	67.34	Northwest	506	\$735,000
43	536/15	SKAGIT R CS2907	4.72	Northwest	675	\$1,602,000
1	542/30	N FK NOOKSACK R WARNIC	30.87	Northwest	251	\$297,020
39	542/33	GLACIER CR	33.49	Northwest	84	\$200,000

Total Number of Bridges = 61

Total Project \$ = \$135,194,518



Steel Bridge Paint Form

2009-11 Biennium Priority Array

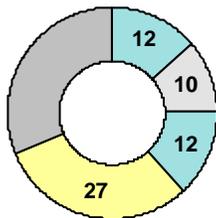


Bridge Number: 4 / 106A		Bridge Name: GRAYS R ROSBURG		Milepost: 15.07	Region: Southwest
Year Built 1947	Bridge Type: SG PCTB		Steel Span Length: 192 ft.	Width (curb-curb): 28 ft.	Steel Tonnage: 96
Paint Age: 27	Paint Color: Light Green	N/A	Steel Surf. Area: 10,560 sqft	BMS Cond State 2: 2,000 sqft	BMS Cond State 3: 1,000 sqft
Next Paint Year: 2015	2007-09 Rank: 32	2009-11 Rank: 31	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$3,000
					Future Paint Cost: \$288,000

Past Paint History

Years	Cycle
1981	12
1969	10
1959	12
1947	27

Painting Cycle



■ = Current Paint Age



This road was turned over to the county as part of the 1991 RJT transfer. WSDOT still has maintenance responsibility on the bridge. The old bridge number was 403/7.

The paint is still in good condition with a few spot rusting areas on the bottom flange of some steel beams. The next paint contract should exclude the steel members constructed as part of the seismic retrofit at the north and south ends of the steel beam spans.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

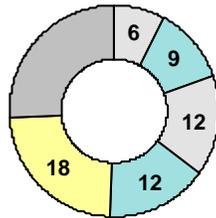


Bridge Number: 4 / 120		Bridge Name: SKAMOKAWA CR CS3505		Milepost: 28.92	Region: Southwest
Year Built 1939	Bridge Type: SG CTB TTT		Steel Span Length: 105 ft.	Width (curb-curb): 24 ft.	Steel Tonnage: 146
Paint Age: 18	Paint Color: 26307 Light Gray	Steel Surf. Area: 21,900 sqft	BMS Cond State 2: 9,000 sqft	BMS Cond State 3: 1,000 sqft	
Next Paint Year: 2015	2007-09 Rank:	2009-11 Rank: 46	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$4,000 Future Paint Cost: \$584,000

Past Paint History

Years	Cycle
1990	12
1978	12
1966	9
1957	6
1951	

Painting Cycle



■ = Current Paint Age



No Photo Available

No Photo Available

This bridge was originally designed to be a movable bridge.

There is dirt and debris up to 6" deep on the bottom flanges of steel through girders at floor beam gussets and next to drain pipes. Many rust spots and blistered paint on top flange. Light rust pack on top flanges of floor beams near ends.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

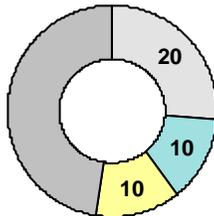


Bridge Number: 4 / 125		Bridge Name: ELOCHOMAN RIVER		Milepost: 33.71	Region: Southwest
Year Built 1955	Bridge Type: ST		Steel Span Length: 160 ft.	Width (curb-curb): 26 ft.	Steel Tonnage: 160
Paint Age: 10	Paint Color: Evergreen	34097	Steel Surf. Area: 24,000 sqft	BMS Cond State 2: 0 sqft	BMS Cond State 3: 1,000 sqft
Next Paint Year: 2015	2007-09 Rank:	2009-11 Rank: 47	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$4,000 Future Paint Cost: \$640,000

Past Paint History

Years	Cycle
1998	10
1975	20
1955	

Painting Cycle



■ = Current Paint Age



Bridge has a bird nest on the top chord.

Bridge Inspection Notes:

Paint in good condition. Seam rust starting along bottom chord gussets and light rust at top flange of stringers and floorbeams. A maximum of 5% section loss at floor beam connections from rust that occurred prior to recent paint job. Seam rust starting along bottom of vertical gusset plates. The connection at L6 south there is up to 15% section loss in the rivet heads.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

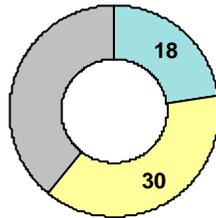


Bridge Number: 4 / 209		Bridge Name: HALF BR W OF BUNKER HILL		Milepost: 49.80	Region: Southwest	
Year Built 1930	Bridge Type: SB CS		Steel Span Length: 29 ft.	Width (curb-curb): 26 ft.	Steel Tonnage: 8	
Paint Age: 30	Paint Color: Light Green	N/A	Steel Surf. Area: 880 sqft	BMS Cond State 2: 390 sqft	BMS Cond State 3: 50 sqft	
Next Paint Year: 2015	2007-09 Rank: 41	2009-11 Rank: 38	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$12,500	Future Paint Cost: \$100,000

Past Paint History

Years	Cycle
1978	18
1950	

Painting Cycle



■ = Current Paint Age



No Photo Available

No Photo Available

The bridge is located at the east approach to the half bridge. The roadway is very narrow in this location making the access and inspection difficult.

The paint is in fair condition. None of the steel beams have significant rusting but a couple of the bolts in the diaphragms are very rusty.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

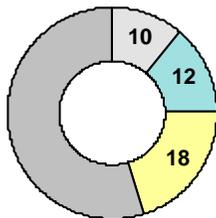


Bridge Number: 5 / 40E		Bridge Name: LEWIS R		Milepost: 19.87	Region: Southwest	
Year Built 1968	Bridge Type: ST CBOX		Steel Span Length: 810 ft.	Width (curb-curb): 48 ft.	Steel Tonnage: 1,117	
Paint Age: 18	Paint Color: Evergreen	34097	Steel Surf. Area: 167,550 sqft	BMS Cond State 2: 55,850 sqft	BMS Cond State 3: 50,265 sqft	
Next Paint Year: 2011	2007-09 Rank: 10	2009-11 Rank: 4	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$3,000	Future Paint Cost: \$3,351,000

Past Paint History

Years	Cycle
1990	12
1978	10
1968	

Painting Cycle



■ = Current Paint Age



The top chords, bottom chords, end posts, end portals and some of the sways need to have full paint removal. The rest of the bridge should be overcoated.

Bridge Inspector's Note:

Peeling and cracking paint on stringers and floor beams. Up to 30% of surface area of upper truss has surface rust. Paint is peeling on the inside of the bottom chord. Some blistering on the tops of the diagonals.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

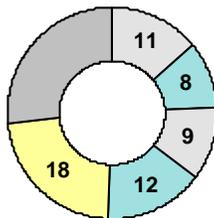


Bridge Number: 5 / 40W		Bridge Name: LEWIS R		Milepost: 19.83	Region: Southwest
Year Built 1940	Bridge Type: ST CTB		Steel Span Length: 810 ft.	Width (curb-curb): 48 ft.	Steel Tonnage: 1,536
Paint Age: 18	Paint Color: Evergreen	34097	Steel Surf. Area: 230,400 sqft	BMS Cond State 2: 120,000 sqft	BMS Cond State 3: 75,030 sqft
Next Paint Year: 2011	2007-09 Rank: 14	2009-11 Rank: 3	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$3,000
					Future Paint Cost: \$4,608,000

Past Paint History

Years	Cycle
1990	12
1978	9
1969	8
1961	11
1950	

Painting Cycle



■ = Current Paint Age



The top chords, bottom chords, end posts, end portals and some of the sways need to have full paint removal. The rest of the bridge should be overcoated.

Bridge Inspector's notes:

Paint is peeling and cracking over large areas of the steel truss surface. Freckled rust spots throughout the truss. Primer is visible in many areas due to the loss of the top coat. Portal frame faces are rusty. Top chord, top surfaces of top chords from U1 thru U29 have bare metal visible. Sway frames and cross bracing have bare metal visible. Floorbeams and stringers have many areas of peeling paint with surface rust.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

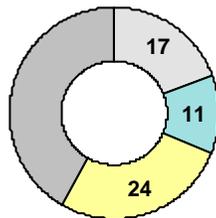


Bridge Number: 5 / 322		Bridge Name: I-5 OC CAPITOL BLVD		Milepost: 104.77	Region: Olympic	
Year Built 1956	Bridge Type: SA		Steel Span Length: 283 ft.	Width (curb-curb): 56 ft.	Steel Tonnage: 660	
Paint Age: 24	Paint Color: 30099 Warm Brown	Steel Surf. Area: 18,330 sqft	BMS Cond State 2: 7,332 sqft	BMS Cond State 3: 10,998 sqft		
Next Paint Year: 2009	2007-09 Rank: 11	2009-11 Rank: 5	CPMS Ad date: 2/23/2009	Paint Pin Number: 300580B	Cost Est\$/Ton: \$3,027	Future Paint Cost: \$644,868

Past Paint History

Years	Cycle
1984	11
1973	17
1956	

Painting Cycle



■ = Current Paint Age



The bridge was rebuilt in 1988 (C#13214) by adding new steel arches under the bridge. These steel arches are painted with a 5.8 mil thick inorganic zinc primer and a Vinyl top coat. The Arches will not be included in the next painting contract. The galvanized steel bridge rails were painted with an epoxy type paint in 1988. The steel beam weight is approx. 213 tons. The steel beams and pedestrian rail will be painted in the next contract.

The last inspection notes the paint is flaking on the webs of the steel beams. The top flange is rusting under the expansion joints. Rust blooms on many bolt heads. The deck joints are leaking and need to be repaired with new joint filler.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

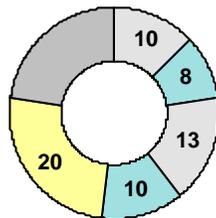


Bridge Number: 5 / 345E		Bridge Name: NISQUALLY RIVER		Milepost: 114.86	Region: Olympic
Year Built 1937	Bridge Type: ST PCB		Steel Span Length: 323 ft.	Width (curb-curb): 42.6 ft.	Steel Tonnage: 530
Paint Age: 20	Paint Color: Evergreen	34097	Steel Surf. Area: 79,500 sqft	BMS Cond State 2: 77,910 sqft	BMS Cond State 3: 1,590 sqft
Next Paint Year: 2015	2007-09 Rank:	2009-11 Rank: 42	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$4,000
					Future Paint Cost: \$2,120,000

Past Paint History

Years	Cycle
1988	10
1978	13
1965	8
1957	10
1947	

Painting Cycle



■ = Current Paint Age



Repair of the fatigue cracks in the stringers is planned for the 2009-11 biennium.

The inspection report notes:

Steel Stringer - Light top flange rust with rust staining on webs of stringers near floor beams. All stringer webs have 90 degree cope detail at floorbeam connections. Several stringers have 1/2"-2" cracks.

Bottom Chord - Dirt and moss growth with a few rust blooms on bottom chord joints. Rust blooms on inside of bottom chord webs of channels near panel points. A few rivet heads have some section loss.

Steel Truss - Chalky paint, areas of peeling paint, rust stains and fungus growth on top chord.

The cost to replace this bridge is approximately 48'x 450'x \$400/SF = \$8.6 million.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

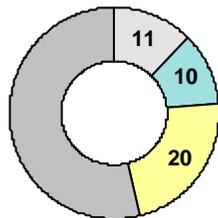


Bridge Number: 5 / 345W		Bridge Name: NISQUALLY R		Milepost: 114.86	Region: Olympic	
Year Built 1967	Bridge Type: ST PCB		Steel Span Length: 322 ft.	Width (curb-curb): 48 ft.	Steel Tonnage: 506	
Paint Age: 20	Paint Color: Evergreen	34097	Steel Surf. Area: 75,900 sqft	BMS Cond State 2: 26,565 sqft	BMS Cond State 3: 3,795 sqft	
Next Paint Year: 2015	2007-09 Rank: 45	2009-11 Rank: 41	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$4,000	Future Paint Cost: \$2,024,000

Past Paint History

Years	Cycle
1988	10
1978	11
1967	

Painting Cycle



■ = Current Paint Age



The inspection report notes:

Steel Stringer - Minor surface rust at connections to floor beams.

Floor beams - Surface rust in top flanges, especially @ connections to chords. A couple of floorbeams are rust stained from leaking joints.

Bottom Chord - Dirt and moss growth with a few rust blooms on bottom chord joints. Rust blooms on inside of bottom chord webs of channels near panel points. A few rivet heads have some section loss.

Steel Truss - Chalky paint, areas of peeling paint, rust stains and fungus growth on top chord.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

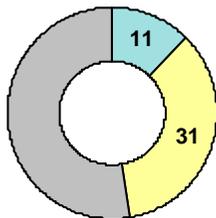


Bridge Number: 5 / 526.1		Bridge Name: ARCHIE CODIGA BRIDGE		Milepost: 156.48	Region: Northwest	
Year Built 1966	Bridge Type: SB TTT		Steel Span Length: 645 ft.	Width (curb-curb): 26 ft.	Steel Tonnage: 248	
Paint Age: 31	Paint Color: 26307 Light Gray	Steel Surf. Area: 27,280 sqft	BMS Cond State 2: 2,500 sqft	BMS Cond State 3: 2,700 sqft		
Next Paint Year: 2013	2007-09 Rank: 31	2009-11 Rank: 29	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$3,000	Future Paint Cost: \$744,000

Past Paint History

Years	Cycle
1977	11
1966	

Painting Cycle



■ = Current Paint Age



Bridge Inspector's Notes:

Top flange rust in exterior stringers at sidewalk joints. Rust blooms in both top and bottom flanges. Large piles of pigeon guano on bottom lateral gusset plates. Fire damage at east abutment burnt an area of the paint but no significant damage. Peeling paint is more prevalent in Spans 1 and 2.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

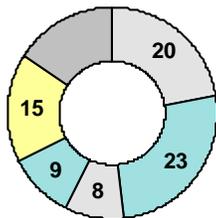


Bridge Number: 5 / 670W		Bridge Name: STILLAGUAMISH R		Milepost: 209.35	Region: Northwest
Year Built 1933	Bridge Type: ST CTB		Steel Span Length: 600 ft.	Width (curb-curb): 48 ft.	Steel Tonnage: 759
Paint Age: 15	Paint Color: Steel Gray	26329	Steel Surf. Area: 113,850 sqft	BMS Cond State 2: 60,000 sqft	BMS Cond State 3: 20,000 sqft
Next Paint Year: 2011	2007-09 Rank: 23	2009-11 Rank: 15	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$2,500
					Future Paint Cost: \$1,897,500

Past Paint History

Years	Cycle
1993	9
1984	8
1976	23
1953	20
1933	

Painting Cycle



■ = Current Paint Age



The 1993 painting contract was one of the first in the state that required the containment and disposal of the abrasives used to prepare the steel surfaces. The inspection report says that there is "small rust blooms scattered throughout. Some rust at bottom gusset connections to the bottom chord. Rust staining on top flanges of stringers and floorbeams."

The bridge deck is scheduled to be replaced in the 2013-15 biennium. The bridge painting should be part of the same project.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

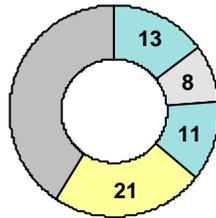


Bridge Number: 5 / 828E		Bridge Name: NOOKSACK R		Milepost: 263.05	Region: Northwest	
Year Built 1955	Bridge Type: ST CTB		Steel Span Length: 220 ft.	Width (curb-curb): 28 ft.	Steel Tonnage: 222	
Paint Age: 21	Paint Color: 26307 Light Gray	Steel Surf. Area: 33,300 sqft	BMS Cond State 2: 10,000 sqft	BMS Cond State 3: 3,330 sqft		
Next Paint Year: 2013	2007-09 Rank: 9	2009-11 Rank: 26	CPMS Ad date:	Paint Pin Number: 100595E	Cost Est\$/Ton: \$4,000	Future Paint Cost: \$888,000

Past Paint History

Years	Cycle
1987	11
1976	8
1968	13
1955	

Painting Cycle



= Current Paint Age



Bridge Inspection Notes:

The paint system is chalking, peeling, and curling. Paint has peeled up to 10% of area to exposed rusty metal. Paint has peeled up to 30% of area without exposed metal.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

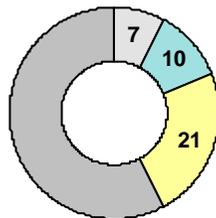


Bridge Number: 5 / 828W		Bridge Name: NOOKSACK R		Milepost: 263.05	Region: Northwest	
Year Built 1971	Bridge Type: ST PCB		Steel Span Length: 220 ft.	Width (curb-curb): 38 ft.	Steel Tonnage: 201	
Paint Age: 21	Paint Color: 26307 Light Gray	Steel Surf. Area: 30,150 sqft	BMS Cond State 2: 20,000 sqft	BMS Cond State 3: 500 sqft		
Next Paint Year: 2013	2007-09 Rank: 47	2009-11 Rank: 25	CPMS Ad date:	Paint Pin Number: 100595E	Cost Est\$/Ton: \$4,000	Future Paint Cost: \$804,000

Past Paint History

Years	Cycle
1987	10
1977	7
1970	

Painting Cycle



■ = Current Paint Age



Bridge Inspection Notes:

STEEL STRINGERS - Some of the ends near the floor beams are rusting in the top flange.

FLOOR BEAMS - Top flange of the floor beams are rusting with up to 5% section loss. The top flange at the ends has the most advanced rusting.

TRUSS BOTTOM CHORD - Pack rust between the bottom lateral gusset plates and the bottom chord with a few starting to bulge. Paint is peeling with over 40% gone exposing the previous paint. The top paint is not adhering to the bottom paint. Pigeon quano noted.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

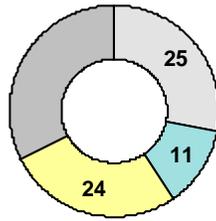


Bridge Number: 7 / 105		Bridge Name: MASHEL R		Milepost: 27.91	Region: Olympic	
Year Built 1948	Bridge Type: SB		Steel Span Length: 195 ft.	Width (curb-curb): 24 ft.	Steel Tonnage: 99	
Paint Age: 24	Paint Color: Steel Gray	26329	Steel Surf. Area: 10,890 sqft	BMS Cond State 2: 8,712 sqft	BMS Cond State 3: 1,089 sqft	
Next Paint Year: 2013	2007-09 Rank: 29	2009-11 Rank: 24	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$3,000	Future Paint Cost: \$297,000

Past Paint History

Years	Cycle
1984	11
1973	25
1948	

Painting Cycle



■ = Current Paint Age



Bridge Inspection note:

Paint is peeling on the outside edges of bottom flange of rolled girders and riveted girders. Top flange surface rust on steel girders.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

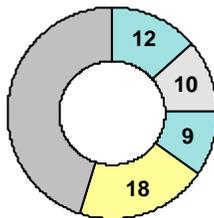


Bridge Number: 9 / 118		Bridge Name: SNOHOMISH R		Milepost: 9.17	Region: Northwest
Year Built 1959	Bridge Type: ST CBOX CTB		Steel Span Length: 300 ft.	Width (curb-curb): 29.3 ft.	Steel Tonnage: 320
Paint Age: 18	Paint Color: Evergreen	34097	Steel Surf. Area: 48,000 sqft	BMS Cond State 2: 18,000 sqft	BMS Cond State 3: 1,000 sqft
Next Paint Year: 2011	2007-09 Rank: 12	2009-11 Rank: 12	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$4,000
					Future Paint Cost: \$1,280,000

Past Paint History

Years	Cycle
1990	9
1981	10
1971	12
1959	

Painting Cycle



= Current Paint Age



No Photo Available

Bridge Inspection Notes:

Truss members are moss covered and have peeling paint. Inside faces have more peeling paint than the outside faces. There is bird guano and dirt accumulations up to 3" deep in joint areas. The gray primer is exposed and peeling paint as noted: Top Chord - 80% gone; Diagonals - 40% gone; Bottom Chord - 50% gone.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

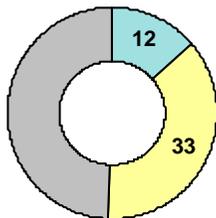


Bridge Number: 9 / 122		Bridge Name: SR 9 OC, BICKFORD AVE		Milepost: 10.87	Region: Northwest
Year Built 1963	Bridge Type: SB TTT		Steel Span Length: 64 ft.	Width (curb-curb): 30 ft.	Steel Tonnage: 28
Paint Age: 33	Paint Color: N/A	N/A	Steel Surf. Area: 3,080 sqft	BMS Cond State 2: 1,500 sqft	BMS Cond State 3: 600 sqft
Next Paint Year: 2013	2007-09 Rank: 22	2009-11 Rank: 19	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$8,928 Future Paint Cost: \$250,000

Past Paint History

Years	Cycle
1975	12
1963	33

Painting Cycle



■ = Current Paint Age



Bridge Inspector's Notes:

Spots of surface rust throughout. Peeled paint and sheet rust on girder end bottom flanges and on flange edges. Rust freckles on many bolts and end cross bracing elements.

This may be a good candidate for an overcoat with an epoxy rust penetrating sealer.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

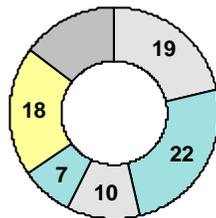


Bridge Number: 12 / 76		Bridge Name: BLACK R		Milepost: 37.59	Region: Olympic
Year Built 1932	Bridge Type: ST CTB		Steel Span Length: 104 ft.	Width (curb-curb): 24 ft.	Steel Tonnage: 67
Paint Age: 18	Paint Color: Evergreen	34097	Steel Surf. Area: 10,050 sqft	BMS Cond State 2: 5,800 sqft	BMS Cond State 3: 4,250 sqft
Next Paint Year: 2009	2007-09 Rank: 7	2009-11 Rank: 9	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$2,000
					Future Paint Cost: \$134,000

Past Paint History

Years	Cycle
1990	7
1983	10
1973	22
1951	19
1932	

Painting Cycle



■ = Current Paint Age



The last inspection reports says:

"Rust blooms and peeling paint on outside stringer webs. Top flange of many stringers has some corrosion. Paint is peeling on many truss members."

The roadway deck joints should be addressed as part of the painting project.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

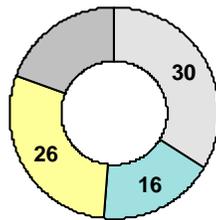


Bridge Number: 12 / 309		Bridge Name: WILDCAT CR		Milepost: 165.95	Region: Southwest
Year Built 1936	Bridge Type: SB TTT		Steel Span Length: 35 ft.	Width (curb-curb): 26 ft.	Steel Tonnage: 10
Paint Age: 26	Paint Color: 30318 Warm Conc Gray	Steel Surf. Area: 1,100 sqft	BMS Cond State 2: 110 sqft	BMS Cond State 3: 110 sqft	
Next Paint Year: 2013	2007-09 Rank: 28	2009-11 Rank: 23	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$20,000 Future Paint Cost: \$200,000

Past Paint History

Years	Cycle
1982	16
1966	30
1936	

Painting Cycle



■ = Current Paint Age



Bridge Inspector's Notes:

Paint has failed in many areas but mostly at east end of girders and diaphragm over Pier 5. Rust blooms in several areas of the girder flanges.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

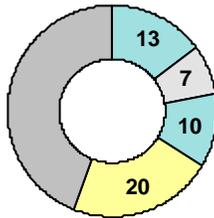


Bridge Number: 12 / 328N		Bridge Name: NACHES R NELSON		Milepost: 198.66	Region: South Central
Year Built 1958	Bridge Type: ST		Steel Span Length: 304 ft.	Width (curb-curb): 28 ft.	Steel Tonnage: 316
Paint Age: 20	Paint Color: 30277 Light Brown	Steel Surf. Area: 47,400 sqft	BMS Cond State 2: 15,000 sqft	BMS Cond State 3: 1,000 sqft	
Next Paint Year: 2013	2007-09 Rank: 25	2009-11 Rank: 22	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$3,000 Future Paint Cost: \$948,000

Past Paint History

Years	Cycle
1988	10
1978	7
1971	13
1958	

Painting Cycle



= Current Paint Age



Bridge Inspection Notes:

Paint is peeling on all members except stringers, mostly in locations where the pigeons are. The green base paint is exposed along the top of the bottom chords. Surface rust is visible on vertical faces exposed to sunlight.
 Floorbeams - Most have rusting in the top flange. A few small areas of paint peeling scattered throughout.
 Truss - Pack rust in bottom chord splice plate L6-L7.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

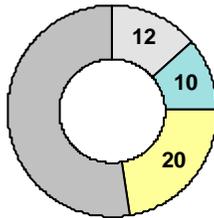


Bridge Number: 12 / 328S		Bridge Name: NACHES R NELSON		Milepost: 198.66	Region: South Central
Year Built 1966	Bridge Type: ST		Steel Span Length: 304 ft.	Width (curb-curb): 30.2 ft.	Steel Tonnage: 300
Paint Age: 20	Paint Color: 30277 Light Brown	Steel Surf. Area: 45,000 sqft	BMS Cond State 2: 20,000 sqft	BMS Cond State 3: 10,000 sqft	
Next Paint Year: 2013	2007-09 Rank: 19	2009-11 Rank: 21	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$3,000
					Future Paint Cost: \$900,000

Past Paint History

Years	Cycle
1988	10
1978	12
1966	

Painting Cycle



■ = Current Paint Age



Bridge Inspector's notes:

Paint is peeling on all members except stringers, mostly in locations with pigeons guano. The green base paint is exposed along the top of the bottom chords. Surface rust is visible on vertical faces exposed to sunlight.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

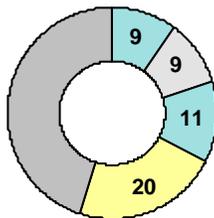


Bridge Number: 18 / 17S		Bridge Name: GREEN R (NEELEY BRIDGE)		Milepost: 6.62	Region: Northwest
Year Built 1959	Bridge Type: ST CBOX		Steel Span Length: 200 ft.	Width (curb-curb): 29.5 ft.	Steel Tonnage: 183
Paint Age: 20	Paint Color: Evergreen	34097	Steel Surf. Area: 27,450 sqft	BMS Cond State 2: 10,000 sqft	BMS Cond State 3: 7,000 sqft
Next Paint Year: 2011	2007-09 Rank: 15	2009-11 Rank: 14	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$4,000
					Future Paint Cost: \$732,000

Past Paint History

Years	Cycle
1988	11
1977	9
1968	9
1959	

Painting Cycle



= Current Paint Age



No Photo Available

Bridge Inspector's notes:

Rusting in sliding joints at stringers and on top flanges of stringer near floor beams. Several stringers (primarily A&E) have fatigue cracks up to 5/8". Rusting in several exposed areas at floor beams.

TRUSS: Mossy growth on paint with a few pits and rust blooms. Rust blooms on portals and top sways throughout. Paint peeling off in sheets on W. portal frame. A few rivets on bottom lateral gusset plates have 15% head section loss.

FLOOR BEAMS: Mud and rust staining on the top flanges, webs and bottom flanges. Sheet rust on the bottom side of the top flange up to 1/8" deep. Top flange has 5-10% section loss, mostly near the end of the floor beams.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

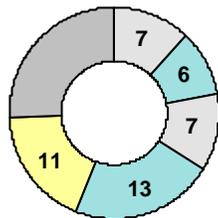


Bridge Number: 20 / 204		Bridge Name: DECEPTION PASS		Milepost: 41.81	Region: Northwest
Year Built 1935	Bridge Type: ST CTB		Steel Span Length: 900 ft.	Width (curb-curb): 22 ft.	Steel Tonnage: 1,168
Paint Age: 11	Paint Color: Evergreen	34097	Steel Surf. Area: 175,200 sqft	BMS Cond State 2: 87,600 sqft	BMS Cond State 3: 5,260 sqft
Next Paint Year: 2017	2007-09 Rank:	2009-11 Rank: 50	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$4,000
					Future Paint Cost: \$4,672,000

Past Paint History

Years	Cycle
1997	13
1984	7
1977	6
1971	7
1954	

Painting Cycle



■ = Current Paint Age



Full removal of the existing paint was required to the floor beams and stringers in the last painting contract.

Up to 10% section loss was noted in the top and bottom flanges of the stringers prior to being painted in 1998. Rust at interface between top flanges and deck. Surface rust with some pitting. Pack rust in the bottom flanges and bearing seats with up to 50% section loss, especially Stringers A and E. There are many areas that are rusting through the paint. Paint preparation and thickness varied greatly throughout the bridge from several layers of paint protection to over spray with no preparation to the metal. Rust stains on several of the members. Surface rust on several of the stringers and truss members.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

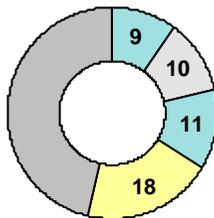


Bridge Number: 21 / 334		Bridge Name: KETTLE R		Milepost: 181.00	Region: Eastern	
Year Built 1960	Bridge Type: ST		Steel Span Length: 205 ft.	Width (curb-curb): 26 ft.	Steel Tonnage: 180	
Paint Age: 18	Paint Color: Warm Brown	30099	Steel Surf. Area: 27,000 sqft	BMS Cond State 2: 21,600 sqft	BMS Cond State 3: 5,400 sqft	
Next Paint Year: 2013	2007-09 Rank: 21	2009-11 Rank: 18	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$4,000	Future Paint Cost: \$720,000

Past Paint History

Years	Cycle
1990	11
1979	10
1969	9
1960	

Painting Cycle



= Current Paint Age



The top flange of the floor beams and stringers are embedded in concrete.

Bridge Inspector's Notes:

Paint is chalky and peeling, heavy in spots, on the diagonals and portals of the truss with rust blooms, approximately 15%. The paint on the stringers and floor beams is in good condition except for scattered rock chips from kids throwing rocks at swallow nests. The sand build up on the lower chord has been flushed, revealing the failed paint system.

Full removal of the paint is warranted on the top and bottom chords and the connection areas.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

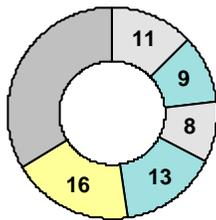


Bridge Number: 25 / 130		Bridge Name: COLUMBIA R @ NORTHPORT		Milepost: 113.92	Region: Eastern
Year Built 1948	Bridge Type: ST CTB CG CS		Steel Span Length: 840 ft.	Width (curb-curb): 24 ft.	Steel Tonnage: 1,167
Paint Age: 16	Paint Color: Evergreen	34097	Steel Surf. Area: 175,050 sqft	BMS Cond State 2: 122,534 sqft	BMS Cond State 3: 26,258 sqft
Next Paint Year: 2013	2007-09 Rank: 24	2009-11 Rank: 20	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$3,000
					Future Paint Cost: \$3,501,000

Past Paint History

Years	Cycle
1992	13
1979	8
1971	9
1962	11
1951	

Painting Cycle



■ = Current Paint Age



Bridge Inspector's note:

Paint is missing from most steel members due to the impact of snow removal with gravel. Steel Floorbeams; Peeling paint throughout webs. Steel Truss Members; The primer is exposed in places with some light rust where the paint has failed completely. The top paint coat is also peeling off in places with scattered rust blooms, particularly at top sways and laterals and inside top chords. Surface rust on the truss members at the deck level to about 6 ft. off of the deck. Paint is peeling inside most of the enclosed truss members. Metal Bridge Railing; All members are rusty with paint peeling or missing on 30% of the surface.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

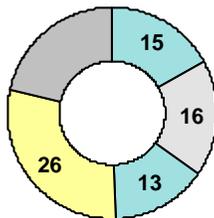


Bridge Number: 27 / 12		Bridge Name: N FK PALOUSE R		Milepost: 15.02	Region: Eastern
Year Built 1938	Bridge Type: SG CTB		Steel Span Length: 95 ft.	Width (curb-curb): 24 ft.	Steel Tonnage: 82
Paint Age: 26	Paint Color: 26307 Light Gray	Steel Surf. Area: 12,300 sqft	BMS Cond State 2: 4,800 sqft	BMS Cond State 3: 2,500 sqft	
Next Paint Year: 2013	2007-09 Rank: 20	2009-11 Rank: 16	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$4,000
			Future Paint Cost: \$328,000		

Past Paint History

Years	Cycle
1982	13
1969	16
1953	15
1938	13

Painting Cycle



= Current Paint Age



All the paint on the top flange of the open girder should be removed to bare metal.

Bridge Inspector's notes:

Thin and peeling paint with surface rust on most of the top flange of the girders (Photo 15). Paint is worn and peeling on lower portions of webs and bottom flanges of girders (approximately 20%). Rust blooms on lower webs and bottom flanges of girder (approximately 5%). Top coat of paint is peeling on floorbeams exposing primer (approximately 20% - Photo 22). A few areas of surface rust (less than 5%) on floorbeams.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

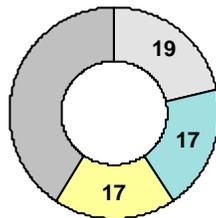


Bridge Number: 82 / 280S		Bridge Name: COLUMBIA R BR @ UMATILLA		Milepost: 132.36	Region: South Central
Year Built 1955	Bridge Type: ST SB		Steel Span Length: 3380 ft.	Width (curb-curb): 27.5 ft.	Steel Tonnage: 3,737
Paint Age: 17	Paint Color: 30318 Warm Conc Gray	Steel Surf. Area: 560,550 sqft	BMS Cond State 2: 30,000 sqft	BMS Cond State 3: 2,000 sqft	
Next Paint Year: 2017	2007-09 Rank: 50	2009-11 Rank: 55	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$3,000 Future Paint Cost: \$11,211,000

Past Paint History

Years	Cycle
1991	17
1974	19
1955	17

Painting Cycle



■ = Current Paint Age



Bridge Inspection Notes:

Truss Floor System - The truss stringer diaphragms have flaking paint top coat in many places over approximately 10% of area. Many stringers have very thin paint. Approximately 5% of the stringer area is affected. There is extensive peeling paint on the stringers in the east bays of the east truss span. The truss floor beam bottom flanges have peeled paint in 2 sq.ft. areas (approximately 2% peeling).

Truss Bottom Chord - There are areas on the bottom of the bottom chord and inside the bottom chord that have missing or peeled off top coat, amounting to approximately 5% of the total painted area. The drop in span bottom of the South bottom chord has up to 10% peeled paint. The girder cross brace chord angles have flaking top coat of paint on approximately 5% of the area.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

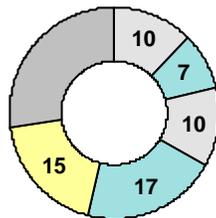


Bridge Number: 90 / 25S		Bridge Name: LACEY V. MURROW BRIDGE		Milepost: 4.24	Region: Northwest
Year Built 1940	Bridge Type: CFP SA ST CBOX S		Steel Span Length: 884 ft.	Width (curb-curb): 52 ft.	Steel Tonnage: 2,900
Paint Age: 15	Paint Color: Wa. Gray	N/A	Steel Surf. Area: 435,000 sqft	BMS Cond State 2: 145,000 sqft	BMS Cond State 3: 0 sqft
Next Paint Year: 2017	2007-09 Rank: 52	2009-11 Rank: 57	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$3,000
					Future Paint Cost: \$8,700,000

Past Paint History

Years	Cycle
1993	17
1976	10
1966	7
1959	10
1949	

Painting Cycle



■ = Current Paint Age



The steel truss spans were spread apart and rehabilitated as part of the bridge widening project in 1993. Full containment was used during the painting work.

Bridge Inspection Notes:

Exterior stringers in the deck truss have approximately 30% of the surface paint layer flaking off and areas of freckle rust. Stringers in the tied arch spans have approximately 50% of the top coat peeling throughout. Surface layer of paint is flaking off on approximately 5% of the truss members. Approximately 10% of the top coat of paint is peeling off of the outside flanges of the tied arch hangers, and 5% off of the arch ties. All floorbeams in deck truss have top layer of paint flaking off.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

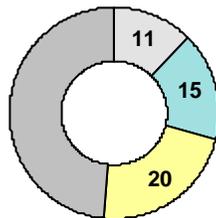


Bridge Number: 97 / 1		Bridge Name: BIGGS RAPIDS-SAM HILL BR		Milepost: 0.00	Region: Southwest
Year Built 1962	Bridge Type: ST SB		Steel Span Length: 2567 ft.	Width (curb-curb): 26 ft.	Steel Tonnage: 1,847
Paint Age: 20	Paint Color: Warm Brown	30099	Steel Surf. Area: 277,050 sqft	BMS Cond State 2: 133,000 sqft	BMS Cond State 3: 81,200 sqft
Next Paint Year: 2011	2007-09 Rank: 13	2009-11 Rank: 2	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$3,032
					Future Paint Cost: \$5,600,000

Past Paint History

Years	Cycle
1988	15
1973	11
1962	

Painting Cycle



■ = Current Paint Age



This is a border bridge that is maintained by Washington and reimbursed 50% by Oregon. There is one steel truss main span with steel girder approach spans. A contract to replace the bridge deck was awarded in 2007 with construction planned through 2008.

Bridge Inspection notes:

The paint in the approach spans is peeling and curling mainly in the bottom flange. There are several exposed and rusty spots on the webs of exterior girders, less than 10% of the total exterior girder area. Some areas of peeling paint in bottom chord of truss. The truss members are rusting through the paint.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

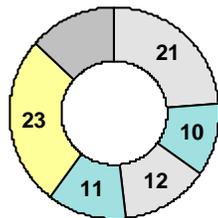


Bridge Number: 99 / 560		Bridge Name: AURORA AVE-G WASH MEM BR		Milepost: 34.14	Region: Northwest
Year Built 1931	Bridge Type: ST CG		Steel Span Length: 1950 ft.	Width (curb-curb): 56.5 ft.	Steel Tonnage: 7,983
Paint Age: 23	Paint Color: 26307 Light Gray	Steel Surf. Area: 1,197,450 sqft	BMS Cond State 2: 957 sqft	BMS Cond State 3: 120 sqft	
Next Paint Year: 2012	2007-09 Rank: 2	2009-11 Rank: 11	CPMS Ad date:	Paint Pin Number: 109947B	Cost Est\$/Ton: \$3,132
					Future Paint Cost: \$25,000,000

Past Paint History

Years	Cycle
1985	11
1974	12
1962	10
1952	21
1931	21

Painting Cycle



■ = Current Paint Age



In 1995 (C#14547) 0.75' of the sidewalk and 3.75' of the roadway slab on both sides of the bridge was removed and replaced. The steel supporting this area was rehabilitated and painted with a MC Urethane.

STRINGERS - At the expansion joints (piers 8 and 11, U26, U30 of span 9) 60% section loss in bottom flange. At these locations the stringer web stiffeners and rivet heads have up to 100% section loss. Peeling paint on most of stringers A,B,C,K,L,M.

FLOORBEAMS - The top flanges near the curb lines have been repaired. Pack rust between stringer seats.

DECK TRUSS - A few areas of rust blooms in the gusset plates. Spans 4&5 have large amounts of vines growing on the steel bracing.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

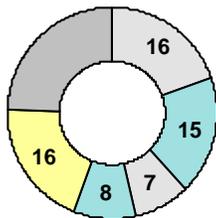


Bridge Number: 101 / 125W		Bridge Name: HOQUIAM R-SIMPSON CS1412		Milepost: 86.76	Region: Olympic
Year Built 1928	Bridge Type: BAS ST CG CST		Steel Span Length: 470 ft.	Width (curb-curb): 20 ft.	Steel Tonnage: 638
Paint Age: 16	Paint Color: Steel Gray	26329	Steel Surf. Area: 95,700 sqft	BMS Cond State 2: 87,200 sqft	BMS Cond State 3: 8,500 sqft
Next Paint Year: 2009	2007-09 Rank: 40	2009-11 Rank: 10	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$4,000
					Future Paint Cost: \$2,552,000

Past Paint History

Years	Cycle
1992	8
1984	7
1977	15
1962	16
1946	

Painting Cycle



■ = Current Paint Age



The bridge is under contract to be rehabilitated in 2007 thru 2008.

Bridge Inspector's notes:

Primer coat on bascule span stringer and floorbeams is failed. Paint is peeled off exposing red lead primer. Paint is failed on floor system bracing. Paint is moldy on the bascule floor system beams and is peeled off in large areas exposing red lead. The paint is covered with wet dirt and moss in many parts of the floor system. Paint on the west 150 ft. steel truss bottom chord is rusted through and blistered along the 4" diameter utility. North approach truss paint on the portal frame is failing or rusty from high load hit damage. Paint is failed and rusty on top flange of floorbeams and stringers at connections. There is seam rust and rust blooms on the bascule top chord.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

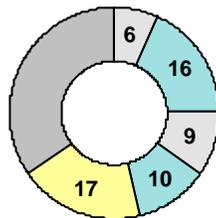


Bridge Number: 101 / 150		Bridge Name: HUMPTULIPS R		Milepost: 109.00	Region: Olympic
Year Built 1950	Bridge Type: ST SB		Steel Span Length: 450 ft.	Width (curb-curb): 26 ft.	Steel Tonnage: 469
Paint Age: 17	Paint Color: Evergreen	34097	Steel Surf. Area: 70,350 sqft	BMS Cond State 2: 7,000 sqft	BMS Cond State 3: 2,000 sqft
Next Paint Year: 2017	2007-09 Rank:	2009-11 Rank: 51	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$3,000
					Future Paint Cost: \$1,407,000

Past Paint History

Years	Cycle
1991	10
1981	9
1972	16
1956	6
1950	

Painting Cycle



■ = Current Paint Age



Bridge Inspection Notes:

Several areas of peeling paint and rust blooms scattered throughout the truss. Rusty thin paint on verticals below sway braces. Sway braces have paint topcoat peeled off over 60% of surface and gray undercoat is visible throughout. Seam rust along the interface of the top cover plates and channels. Areas of laminar rust on top flanges of channels and top cover plates of chords. There is debris up to 12" deep inside of and on top of the bottom chord at both ends of Floorbeam 2. Laminar rust on top flange of channel and top cover plate at Floorbeam 6 on the east truss. Pack rust up to 0.2" thick between east bottom chord top plate and channel flange on inside of bottom chord over 10 ft. length near Pier 5.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

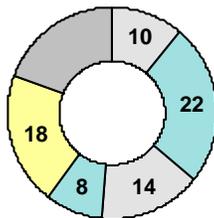


Bridge Number: 101 / 256		Bridge Name: BIG QUILCENE R		Milepost: 296.67	Region: Olympic	
Year Built 1936	Bridge Type: ST CTB		Steel Span Length: 240 ft.	Width (curb-curb): 24 ft.	Steel Tonnage: 121	
Paint Age: 18	Paint Color: Evergreen	34097	Steel Surf. Area: 18,150 sqft	BMS Cond State 2: 5,000 sqft	BMS Cond State 3: 1,500 sqft	
Next Paint Year: 2015	2007-09 Rank: 36	2009-11 Rank: 35	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$4,000	Future Paint Cost: \$484,000

Past Paint History

Years	Cycle
1990	8
1982	14
1968	22
1946	10
1936	

Painting Cycle



= Current Paint Age



The 1990 painting project specified that areas on top of the bottom chord that entrap water on the sidewalk side of the bridge were to receive 16 mils of coal tar epoxy.

Bridge Inspectors Notes:

Top coat of paint is peeling on bottom flanges of steel stringers. Paint underneath is still intact with very little rust, mostly on top flange at the deck. Paint peeling on face of top chord of thru truss approximately 30% to previous layer of paint. Extensive peeling throughout the trusses above the deck, especially in the west truss at the south portal.

Floorbeams have some peeling paint on the bottom flanges. Paint is failing at inside bottom chords.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

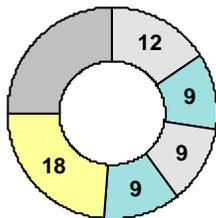


Bridge Number: 101 / 308		Bridge Name: CALAWAH R		Milepost: 192.36	Region: Olympic
Year Built 1938	Bridge Type: ST CTB		Steel Span Length: 170 ft.	Width (curb-curb): 24 ft.	Steel Tonnage: 159
Paint Age: 18	Paint Color: Evergreen	34097	Steel Surf. Area: 23,850 sqft	BMS Cond State 2: 23,350 sqft	BMS Cond State 3: 500 sqft
Next Paint Year: 2017	2007-09 Rank: 38	2009-11 Rank: 53	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$4,000
					Future Paint Cost: \$636,000

Past Paint History

Years	Cycle
1990	9
1981	9
1972	9
1963	12
1951	

Painting Cycle



■ = Current Paint Age



Bridge Inspection Notes:

The paint system has widespread flaking, especially on inside surfaces of members. The top surfaces of the top chords, top lateral and sway bracing have extensive areas of exposed rusty steel.

Truss - Rust blooms on all members.

Floorbeams - Areas of Laminar rust on the bottom chords and gusset plates.

L1, L2, L6, L7, and L8 bottom lateral gusset plates have laminar rust with some minor section loss.

Stringers - Scattered areas of light surface pitting on the top flanges.

Stringer line C typically has water-staining, mud, and laminar rust on the top flange. The stringer seats at Floorbeams 3 and 5 are muddy and have rust staining. Rivets at Floorbeam 8, Stringer C are rusted and have up to 30% section loss.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

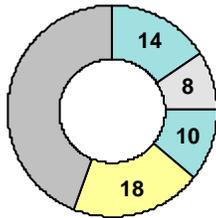


Bridge Number: 101 / 310		Bridge Name: SOL DUC R		Milepost: 194.30	Region: Olympic	
Year Built 1958	Bridge Type: ST CTB		Steel Span Length: 150 ft.	Width (curb-curb): 26 ft.	Steel Tonnage: 108	
Paint Age: 18	Paint Color: Evergreen	34097	Steel Surf. Area: 16,200 sqft	BMS Cond State 2: 8,100 sqft	BMS Cond State 3: 1,620 sqft	
Next Paint Year: 2013	2007-09 Rank: 27	2009-11 Rank: 27	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$4,000	Future Paint Cost: \$432,000

Past Paint History

Years	Cycle
1990	10
1980	8
1972	14
1958	

Painting Cycle



= Current Paint Age



No Photo Available

Bridge Inspection Note:

The steel stringers have scattered areas of peeling paint. The top surfaces of the top chord members have rust blooms and peeling paint. The bottom chord interiors have paint failure causing active corrosion on the inside surfaces, at the rivet heads, and at the plate edges.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

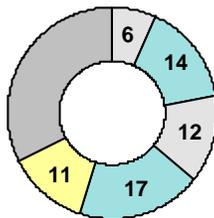


Bridge Number: 101 / 320		Bridge Name: SOL DUC R		Milepost: 211.55	Region: Olympic
Year Built 1948	Bridge Type: ST CTB		Steel Span Length: 160 ft.	Width (curb-curb): 24 ft.	Steel Tonnage: 147
Paint Age: 11	Paint Color: Evergreen	34097	Steel Surf. Area: 22,050 sqft	BMS Cond State 2: 2,000 sqft	BMS Cond State 3: 2,000 sqft
Next Paint Year: 2015	2007-09 Rank:	2009-11 Rank: 32	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$4,000
					Future Paint Cost: \$588,000

Past Paint History

Years	Cycle
1997	17
1980	12
1968	14
1954	6
1948	

Painting Cycle



■ = Current Paint Age



Bridge Inspector's notes:

The steel stringers have scattered areas of peeling paint. The top surfaces of the top chord members have rust blooms and peeling paint. The bottom chord interiors have paint failure causing active corrosion on the inside surfaces, at the rivet heads, and at the plate edges.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

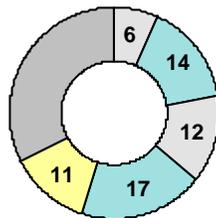


Bridge Number: 101 / 322		Bridge Name: SOL DUC RIVER #5		Milepost: 212.46	Region: Olympic
Year Built 1948	Bridge Type: ST CTB		Steel Span Length: 160 ft.	Width (curb-curb): 24 ft.	Steel Tonnage: 147
Paint Age: 11	Paint Color: 34097 Evergreen	Steel Surf. Area: 22,050 sqft	BMS Cond State 2: 4,400 sqft	BMS Cond State 3: 1,100 sqft	
Next Paint Year: 2015	2007-09 Rank:	2009-11 Rank: 44	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$4,000 Future Paint Cost: \$588,000

Past Paint History

Years	Cycle
1997	17
1980	12
1968	14
1954	6
1948	

Painting Cycle



■ = Current Paint Age



Bridge Inspection Notes:

Paint on the stringers is starting to peel in the webs and flanges with light rust. Some areas of the bottom chord has peeling paint. 15% of the paint is missing on the top chords of the truss.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

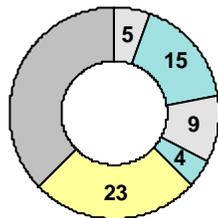


Bridge Number: 105 / 108		Bridge Name: JOHNS R		Milepost: 37.23	Region: Olympic	
Year Built 1952	Bridge Type: SB CTB		Steel Span Length: 300 ft.	Width (curb-curb): 26 ft.	Steel Tonnage: 212	
Paint Age: 23	Paint Color: 34097 Evergreen	Steel Surf. Area: 23,320 sqft	BMS Cond State 2: 6,000 sqft	BMS Cond State 3: 17,000 sqft		
Next Paint Year: 2008	2007-09 Rank: 3	2009-11 Rank: 1	CPMS Ad date: 4/7/2008	Paint Pin Number: 310514A	Cost Est\$/Ton: \$3,111	Future Paint Cost: \$659,630

Past Paint History

Years	Cycle
1985	4
1981	9
1972	15
1957	5
1952	

Painting Cycle



■ = Current Paint Age



A Painting Project is scheduled for 2008.

The inspection report indicates that there is surface rusting scattered thru out with some steel section loss.

Full removal of the paint is warranted based on the existing paint condition.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

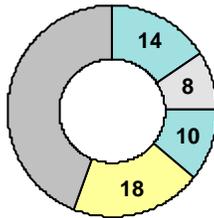


Bridge Number: 107 / 4		Bridge Name: CHEHALIS R		Milepost: 6.83	Region: Olympic	
Year Built 1958	Bridge Type: ST CBOX TTT		Steel Span Length: 300 ft.	Width (curb-curb): 26 ft.	Steel Tonnage: 319	
Paint Age: 18	Paint Color: Evergreen	34097	Steel Surf. Area: 47,850 sqft	BMS Cond State 2: 32,000 sqft	BMS Cond State 3: 3,000 sqft	
Next Paint Year: 2015	2007-09 Rank: 39	2009-11 Rank: 37	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$3,000	Future Paint Cost: \$957,000

Past Paint History

Years	Cycle
1990	10
1980	8
1972	14
1958	18

Painting Cycle



■ = Current Paint Age



Bridge Inspector's Notes:

Peeling paint is typical, especially on and in the bottom chords. The stringer and floorbeam top flanges as well as the truss portal tops and west truss above deck members all have surface rust. The truss also has a few rust blooms.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

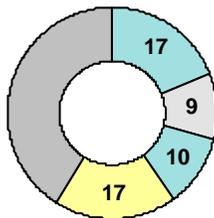


Bridge Number: 109 / 10		Bridge Name: HUMPTULIPS R		Milepost: 10.24	Region: Olympic
Year Built 1956	Bridge Type: ST CTB		Steel Span Length: 234 ft.	Width (curb-curb): 26 ft.	Steel Tonnage: 226
Paint Age: 17	Paint Color: Evergreen	34097	Steel Surf. Area: 33,900 sqft	BMS Cond State 2: 17,000 sqft	BMS Cond State 3: 3,000 sqft
Next Paint Year: 2015	2007-09 Rank: 26	2009-11 Rank: 33	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$4,000
					Future Paint Cost: \$904,000

Past Paint History

Years	Cycle
1991	10
1981	9
1972	17
1955	

Painting Cycle



■ = Current Paint Age



Bridge Inspector's Notes:

Paint is chalky throughout with scattered rust blooms especially on the upper areas of the truss. Many areas of peeling paint and rusty rivet heads on the bottom chord of the truss with areas of exposed metal. Top flanges of upper cross bracing have areas of peeling paint and exposed metal. Scattered small areas of peeling paint in a few places on lower 10 feet of vertical and diagonal members. Floorbeams have areas of paint missing on both top and bottom flanges exposing metal which is rusting.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

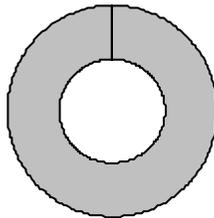


Bridge Number: 122 / 10		Bridge Name: MOSSYROCK		Milepost: 6.56	Region: Southwest	
Year Built 1961	Bridge Type: SB CTB		Steel Span Length: 125 ft.	Width (curb-curb): 24 ft.	Steel Tonnage: 31	
Paint Age:	Paint Color: Wa. Gray	N/A	Steel Surf. Area: 3,410 sqft	BMS Cond State 2: 0 sqft	BMS Cond State 3: 250 sqft	
Next Paint Year: 2015	2007-09 Rank: 37	2009-11 Rank: 36	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$6,452	Future Paint Cost: \$200,000

Past Paint History

Years
Cycle

Painting Cycle



= Current Paint Age



No Photo Available

This bridge was transferred from the county to the state as part of the RJT law of 1991. The type of existing paint and the painting cycle is unknown.

Bridge Inspector's Notes:

The girders have areas of spot rusting on bottom flanges and at boltheads and nuts at the hanger assemblies.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

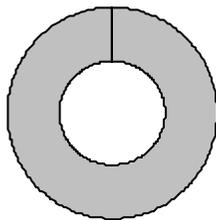


Bridge Number: 131 / 15		Bridge Name: CHILCOAT		Milepost: 1.82	Region: Southwest	
Year Built 1949	Bridge Type: ST CS		Steel Span Length: 220 ft.	Width (curb-curb): 24.2 ft.	Steel Tonnage: 215	
Paint Age:	Paint Color: Silver	NA	Steel Surf. Area: 32,250 sqft	BMS Cond State 2: 6,400 sqft	BMS Cond State 3: 3,200 sqft	
Next Paint Year: 2013	2007-09 Rank: 30	2009-11 Rank: 28	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$3,000	Future Paint Cost: \$645,000

Past Paint History

Years
Cycle

Painting Cycle



= Current Paint Age



4. 7. 2005



25 10:39 AM

This bridge was transferred from the county to the state as part of the RJT law of 1991. The type of existing paint and the painting cycle is unknown.

The approaches are concrete slabs on round non-painted steel piles. The steel piles look like they are made of weathering steel. The steel piles could be coated with a rust penetrating sealer the next time the bridge is painted.

Bridge Inspection Notes:

Paint is failing on lower portions of most floorbeams and at thin areas throughout the floor system. Paint on the truss is in good condition including inside of the lower panel points.

Paint on rails is failing.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

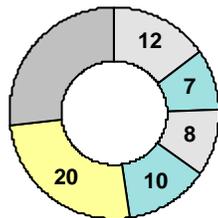


Bridge Number: 141 / 5		Bridge Name: WHITE SALMON RIVER		Milepost: 8.70	Region: Southwest
Year Built 1940	Bridge Type: ST CTB		Steel Span Length: 120 ft.	Width (curb-curb): 27 ft.	Steel Tonnage: 96
Paint Age: 20	Paint Color: Evergreen	34097	Steel Surf. Area: 14,400 sqft	BMS Cond State 2: 7,200 sqft	BMS Cond State 3: 7,200 sqft
Next Paint Year: 2009	2007-09 Rank: 6	2009-11 Rank: 8	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$4,000
					Future Paint Cost: \$384,000

Past Paint History

Years	Cycle
1988	10
1978	8
1970	7
1963	12
1951	

Painting Cycle



■ = Current Paint Age



The inspection report says:

STRINGERS: Rust stains and light rust on the top flanges.

TRUSS: The paint has failed on many members of the steel truss. The top chords have many bare rusty areas. The verticals and diagonals have many areas of peeling paint exposing bare metal. The bottom chord has gravel accumulations at the panel points and some light rusting at the connections.

The failure in the paint on steel above the deck may warrant full removal.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

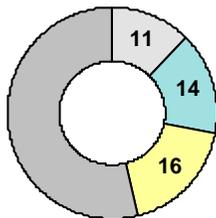


Bridge Number: 167 / 127W		Bridge Name: BN RR OC (NP)		Milepost: 20.96	Region: Northwest
Year Built 1967	Bridge Type: SB		Steel Span Length: 314 ft.	Width (curb-curb): 50 ft.	Steel Tonnage: 150
Paint Age: 16	Paint Color: 26307 Light Gray	Steel Surf. Area: 16,500 sqft	BMS Cond State 2: 800 sqft	BMS Cond State 3: 500 sqft	
Next Paint Year: 2015	2007-09 Rank:	2009-11 Rank: 49	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$3,000 Future Paint Cost: \$450,000

Past Paint History

Years	Cycle
1992	14
1978	11
1967	

Painting Cycle



■ = Current Paint Age



The thickness of the paint was not specified in contract 14057.

This bridge was widened as part of contract 14771. There are two new girders placed on the south side. These girders should be excluded from the next paint contract.

Bridge Inspection Notes:

There are rust blooms throughout, especially on the bottom flanges. There is peeling paint in the webs and bottom flanges. Girders E and F were installed when the bridge was widened in 1998. There are a few spots of rust on the original girders where the paint is thin.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

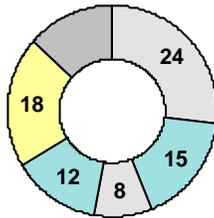


Bridge Number: 202 / 60		Bridge Name: SNOQUALMIE R		Milepost: 26.00	Region: Northwest
Year Built 1931	Bridge Type: ST CTB		Steel Span Length: 220 ft.	Width (curb-curb): 24 ft.	Steel Tonnage: 213
Paint Age: 18	Paint Color: Evergreen	34097	Steel Surf. Area: 31,950 sqft	BMS Cond State 2: 16,000 sqft	BMS Cond State 3: 1,500 sqft
Next Paint Year: 2015	2007-09 Rank:	2009-11 Rank: 45	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$4,000
			Future Paint Cost: \$852,000		

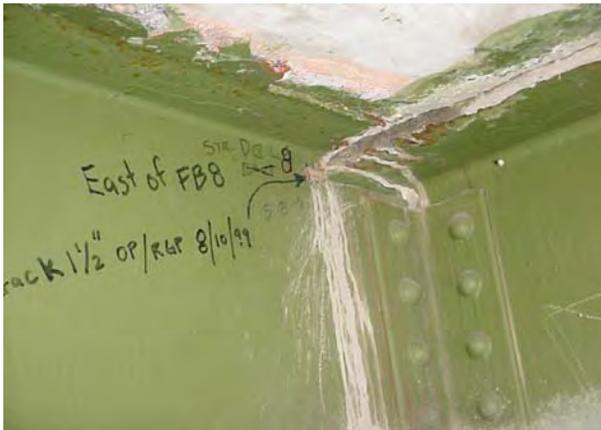
Past Paint History

Years	Cycle
1990	12
1978	8
1970	15
1955	24
1931	

Painting Cycle



= Current Paint Age



The last paint contract (13767) did not specify the thickness of the paint.

Bridge Inspection Notes:

Steel truss has peeling and cracking paint throughout, and rusting in some of the members. Rust in the top and bottom flanges of stringers and floorbeams. Some rust staining along web of sidewalk stringers.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

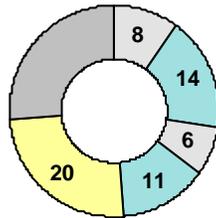


Bridge Number: 207 / 4		Bridge Name: WENATCHEE RIVER		Milepost: 4.22	Region: North Central	
Year Built 1940	Bridge Type: ST CTB		Steel Span Length: 160 ft.	Width (curb-curb): 24 ft.	Steel Tonnage: 145	
Paint Age: 20	Paint Color: Evergreen	34097	Steel Surf. Area: 21,750 sqft	BMS Cond State 2: 5,000 sqft	BMS Cond State 3: 1,000 sqft	
Next Paint Year: 2013	2007-09 Rank: 18	2009-11 Rank: 17	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$4,000	Future Paint Cost: \$580,000

Past Paint History

Years	Cycle
1988	11
1977	6
1971	14
1957	8
1949	

Painting Cycle



■ = Current Paint Age



Bridge Inspection Notes:

Small areas of peeling paint and blistered paint on steel stringers. Rust blooms and peeling paint scattered throughout top of truss and upper lateral brace members. A few small areas of peeling paint and rust blooms and areas of light rust between bottom chord built-up members.

STEEL TRUSS - Some rust pitting of panel point gusset plates. Heavy amounts of gravel and sand on the top of and inside of the bottom chord and lower panel point gusset plates.

STEEL FLOOR BEAMS - Minor rust in top flanges at deck interface, due to leaking joints above.

Deck joints need to be sealed as part of the painting project.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

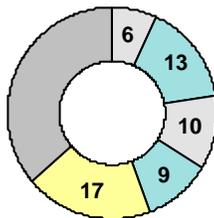


Bridge Number: 305 / 10		Bridge Name: AGATE PASS		Milepost: 6.82	Region: Olympic
Year Built 1950	Bridge Type: ST CTB		Steel Span Length: 1020 ft.	Width (curb-curb): 26 ft.	Steel Tonnage: 1,583
Paint Age: 17	Paint Color: Evergreen	34097	Steel Surf. Area: 237,450 sqft	BMS Cond State 2: 71,000 sqft	BMS Cond State 3: 23,000 sqft
Next Paint Year: 2015	2007-09 Rank:	2009-11 Rank: 30	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$3,000
					Future Paint Cost: \$4,749,000

Past Paint History

Years	Cycle
1991	9
1982	10
1972	13
1959	6
1953	

Painting Cycle



■ = Current Paint Age



Bridge Inspector's notes:

Floorbeams in general have thin chalky paint and essentially no topcoat. Many stringers have thin and flaking paint on flanges. Welded steel girders in Span 13 have small areas of flaking and thin paint as well as holidays. Piers 16 and 17 steel columns have peeling rough paint on struts and cross bracing. Paint is generally in deteriorating condition due to age, weather and poor surface preparation. There are many areas of peeling paint and thin or no paint inside the bottom chord especially at the joints. Thin, missing, peeled off and rusty paint on 25% of the bottom chord and diagonals. Top sways, cross bracing and top chords have many paint holidays in the topcoat, thin paint and rusty spots on 10% of area.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

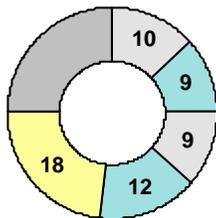


Bridge Number: 409 / 10		Bridge Name: JULIA BUTLER HANSEN BR		Milepost: 2.92	Region: Southwest
Year Built 1938	Bridge Type: ST PCB SG CTB		Steel Span Length: 1274 ft.	Width (curb-curb): 20 ft.	Steel Tonnage: 1,194
Paint Age: 18	Paint Color: 26307 Light Gray	Steel Surf. Area: 179,100 sqft	BMS Cond State 2: 134,100 sqft	BMS Cond State 3: 45,000 sqft	
Next Paint Year: 2011	2007-09 Rank: 16	2009-11 Rank: 13	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$4,000
					Future Paint Cost: \$4,776,000

Past Paint History

Years	Cycle
1990	12
1978	9
1969	9
1960	10
1950	

Painting Cycle



■ = Current Paint Age



Portions of the bridge will require full removal of the exiting paint.

Bridge Inspector's notes:

Floorbeams in general have thin chalky paint and essentially no topcoat. Many stringers have thin and flaking paint on flanges. Welded steel girders in Span 13 have small areas of flaking and thin paint as well as holidays. Piers 16 and 17 steel columns have peeling rough paint on struts and cross bracing. There are many areas of peeling paint and thin or no paint inside the bottom chord especially at the joints. Thin, missing, peeled off and rusty paint on 25% of the bottom chord and diagonals. L21-L22 west truss shows typical rust blooms and paint condition of truss members. Top sways, cross bracing and top chords have many paint holidays in the topcoat, thin paint and rusty spots on 10% of area.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

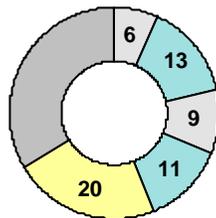


Bridge Number: 410 / 101		Bridge Name: WHITE R		Milepost: 21.99	Region: Northwest
Year Built 1949	Bridge Type: ST CTB		Steel Span Length: 200 ft.	Width (curb-curb): 32 ft.	Steel Tonnage: 239
Paint Age: 20	Paint Color: Evergreen	34097	Steel Surf. Area: 35,850 sqft	BMS Cond State 2: 17,000 sqft	BMS Cond State 3: 1,000 sqft
Next Paint Year: 2017	2007-09 Rank:	2009-11 Rank: 52	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$3,000
					Future Paint Cost: \$717,000

Past Paint History

Years	Cycle
1988	11
1977	9
1968	13
1955	6
1949	

Painting Cycle



■ = Current Paint Age



Bridge Inspection Notes:

Paint is failing in several areas. The top flange of the bottom sway braces have areas of peeling paint. The top of truss has many rust blooms and areas of peeling paint - chalky throughout. Paint is chipped and peeling on bottom of diagonals and on verticals. Paint is peeling and failing on the bottom chord, bottom lateral gussets, top chord connections, floor beam to truss connections, and bottom of stringer to floor beam connections. There are areas of blistered and peeling paint on floorbeams.

Steel Bridge Paint Form

2009-11 Biennium Priority Array



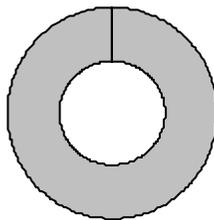
Bridge Number: 411 / 9		Bridge Name: CASTLEROCK BRIDGE		Milepost: 12.37	Region: Southwest	
Year Built 1963	Bridge Type: SG		Steel Span Length: 484 ft.	Width (curb-curb): 28 ft.	Steel Tonnage: 438	
Paint Age:	Paint Color: Light Green	N/A	Steel Surf. Area: 48,180 sqft	BMS Cond State 2: 22,860 sqft	BMS Cond State 3: 2,460 sqft	
Next Paint Year: 2015	2007-09 Rank: 43	2009-11 Rank: 40	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$4,000	Future Paint Cost: \$1,752,000

Past Paint History

Years

Cycle

Painting Cycle



■ = Current Paint Age



This bridge was transferred from the county to the state as part of the RJT law of 1991. The type of existing paint and the last year it was painted is unknown. There is a suspended center span with expansion joints and hinges that allow water to get onto the beams. The paint has random rust spots and paint chipping throughout the bridge.

Bridge Inspection Notes:

The paint is chipped in spots on the webs. There is rust freckling throughout, mostly at the corners and edges. Surface rust and some pitting at the bottom gusset and the lower web area is evidence that the paint system is no longer effective in this area.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

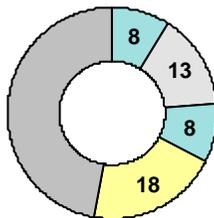


Bridge Number: 432 / 10S		Bridge Name: COWLITZ R & NP RY OC		Milepost: 9.58	Region: Southwest
Year Built 1961	Bridge Type: ST CBOX		Steel Span Length: 300 ft.	Width (curb-curb): 29.5 ft.	Steel Tonnage: 318
Paint Age: 18	Paint Color: Evergreen	34097	Steel Surf. Area: 47,700 sqft	BMS Cond State 2: 13,000 sqft	BMS Cond State 3: 1,000 sqft
Next Paint Year: 2017	2007-09 Rank:	2009-11 Rank: 56	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$3,000
					Future Paint Cost: \$954,000

Past Paint History

Years	Cycle
1990	8
1982	13
1969	8
1961	8

Painting Cycle



■ = Current Paint Age



Bridge Inspection Notes:

Peeling paint is typical throughout the truss. There is surface rust on the stringers, floorbeams, and sway bracing. The truss shows bare metal in places, especially on the south side surfaces.

Stringers - There are five stringers per panel. There is rusting in spots, including surface pitting and minor section loss at the top flange including the copes. There are mud and rust stains at all the seats.

Floorbeams - There are eleven 2ft. 10in. deep floorbeams in Span 7 that have rusting top flanges and laminar rust forming at some locations. The floorbeams are covered with mud and rust staining.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

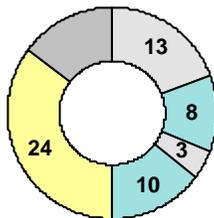


Bridge Number: 433 / 1		Bridge Name: COLUMBIA R-LEWIS&CLARK B		Milepost: 0.00	Region: Southwest	
Year Built 1929	Bridge Type: ST SB		Steel Span Length: 5478 ft.	Width (curb-curb): 34.2 ft.	Steel Tonnage: 14,236	
Paint Age: 24	Paint Color: Steel Gray	26329	Steel Surf. Area: 2,135,400 sqft	BMS Cond State 2: 0 sqft	BMS Cond State 3: 0 sqft	
Next Paint Year: 2006	2007-09 Rank: 1	2009-11 Rank: 1	CPMS Ad date: 6/5/2006	Paint Pin Number: 443304P	Cost Est\$/Ton: \$4,000	Future Paint Cost: \$17,000,000

Past Paint History

Years	Cycle
1984	10
1974	3
1971	8
1963	13
1950	

Painting Cycle



■ = Current Paint Age



The new steel supporting the new concrete deck was only painted with a zinc primer. Adding top coats of paint to these beams will be included in the future painting project. Some rust blooms and cracking and peeling paint scattered through out the bottom chords. The painting project will be administered by WSDOT with ODOT participating in 1/2 of the total project costs.

The PE cost = \$384,638 (2.4%)
 The CE cost = \$1,218,408 (7.5%)
 The CN cost = \$14,663,310 (90.1%)

 The Total = \$16,266,356

The last painting contract cost is equal to \$87.3/SF of the steel span deck area.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

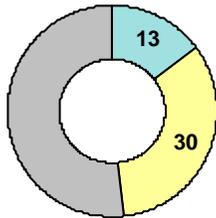


Bridge Number: 504 / 15		Bridge Name: N FK TOUTLE R KID VALLEY		Milepost: 17.29	Region: Southwest	
Year Built 1965	Bridge Type: SB PCB		Steel Span Length: 424 ft.	Width (curb-curb): 28 ft.	Steel Tonnage: 219	
Paint Age: 30	Paint Color: 30277 Light Brown	Steel Surf. Area: 24,090 sqft	BMS Cond State 2: 2,000 sqft	BMS Cond State 3: 2,000 sqft		
Next Paint Year: 2015	2007-09 Rank: 35	2009-11 Rank: 34	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$3,000	Future Paint Cost: \$657,000

Past Paint History

Years	Cycle
1978	13
1965	30

Painting Cycle



■ = Current Paint Age



No Photo Available

Bridge Inspector's Note:

The paint has rusty scatches and occational rust blooms throughout.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

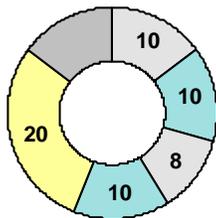


Bridge Number: 509 / 101		Bridge Name: F B HOIT		Milepost: 7.85	Region: Northwest
Year Built 1929	Bridge Type: SG		Steel Span Length: 562 ft.	Width (curb-curb): 28 ft.	Steel Tonnage: 394
Paint Age: 20	Paint Color: Evergreen	34097	Steel Surf. Area: 43,340 sqft	BMS Cond State 2: 20,340 sqft	BMS Cond State 3: 23,000 sqft
Next Paint Year: 2009	2007-09 Rank: 5	2009-11 Rank: 6	CPMS Ad date: 4/6/2009	Paint Pin Number: 150906S	Cost Est\$/Ton: \$4,000
			Future Paint Cost: \$1,576,000		

Past Paint History

Years	Cycle
1988	10
1978	8
1970	10
1960	10
1950	

Painting Cycle



■ = Current Paint Age



The bridge deck was replaced in 1996 as part of contract 14713. The top flange of the beams were painted prior to the construction of the new concrete deck. One coat of zinc primer (2.5 mils dry) was used on the top flanges. Full removal of the existing paint system is needed. Full containment will be required.

Bridge Inspectors notes:

Paint is chalking throughout. Peeling paint, rust blooms, and laminar rust on bottom flange and lower web portion of floorbeams and girders. Up to 2 sq. ft. areas of paint flaking on tower legs and bracing. Exposed metal in many locations.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

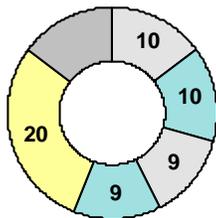


Bridge Number: 509 / 103		Bridge Name: JOES CREEK		Milepost: 9.93	Region: Northwest	
Year Built 1929	Bridge Type: SG		Steel Span Length: 267 ft.	Width (curb-curb): 28 ft.	Steel Tonnage: 175	
Paint Age: 20	Paint Color: 34097 Evergreen		Steel Surf. Area: 19,250 sqft	BMS Cond State 2: 14,450 sqft	BMS Cond State 3: 4,800 sqft	
Next Paint Year: 2009	2007-09 Rank: 17	2009-11 Rank: 7	CPMS Ad date: 4/6/2009	Paint Pin Number: 150906S	Cost Est\$/Ton: \$4,000	Future Paint Cost: \$700,000

Past Paint History

Years	Cycle
1988	9
1979	9
1970	10
1960	10
1950	

Painting Cycle



■ = Current Paint Age



The bridge deck was replaced in 1996 as part of contract 14713. The top flange of the beams were painted prior to the construction of the new concrete deck. One coat of zinc primer (2.5 mils dry) was used on the top flanges.

Full paint removal is warranted based on the age and condition of the existing paint. Full containment will be required.

Bridge Inspectors Notes:

Paint is thin and peeling in places. Rust blooms are common throughout the bridge. Diagonal bracing on columns are rusted on the top surfaces.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

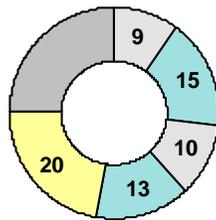


Bridge Number: 525 / 10		Bridge Name: BN RR OC (GN)		Milepost: 8.36	Region: Northwest
Year Built 1941	Bridge Type: SB TTT		Steel Span Length: 45 ft.	Width (curb-curb): 47 ft.	Steel Tonnage: 30
Paint Age: 20	Paint Color: Warm Brown	30099	Steel Surf. Area: 3,300 sqft	BMS Cond State 2: 1,320 sqft	BMS Cond State 3: 1,320 sqft
Next Paint Year: 2008	2007-09 Rank: 8	2009-11 Rank: 1	CPMS Ad date: 4/7/2008	Paint Pin Number: 152520C	Cost Est\$/Ton: \$8,467
			Future Paint Cost: \$254,000		

Past Paint History

Years	Cycle
1988	13
1975	10
1965	15
1950	9
1941	

Painting Cycle



■ = Current Paint Age



This bridge is scheduled to be painted in 2008.

The steel spans are over a railroad that is used extensively. Time allowed to re-paint the steel is very limited. The plan is to use compressed air to remove paint and loose paint then coat with an epoxy rust-penetrating sealer.

Bridge Inspector's comments:

Paint is chalky with areas peeling, blistering and flaking. Areas of rust throughout.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

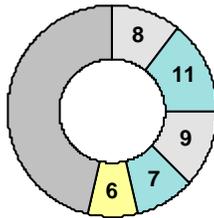


Bridge Number: 529 / 20E		Bridge Name: STEAMBOAT SL CS3115		Milepost: 5.44	Region: Northwest
Year Built 1954	Bridge Type: SS ST CTB		Steel Span Length: 658 ft.	Width (curb-curb): 28 ft.	Steel Tonnage: 761
Paint Age: 6	Paint Color: Evergreen	34097	Steel Surf. Area: 114,150 sqft	BMS Cond State 2: 0 sqft	BMS Cond State 3: 3,000 sqft
Next Paint Year: 2017	2007-09 Rank:	2009-11 Rank: 54	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$4,000
					Future Paint Cost: \$3,044,000

Past Paint History

Years	Cycle
2002	7
1975	9
1966	11
1955	8
1947	

Painting Cycle



■ = Current Paint Age



Bridge Inspection Notes:

Painting of bridge completed between the April 2001 and November 2003 inspections. The paint is peeling on many of the floorbeam top flanges. The paint is failing at a few stringer copes. The paint is failing inside of Joint L2'W in Span 5. Poor paint inside Member U2E-U3E in Span 5. There is some debris at the lower panel points throughout all of the trusses.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

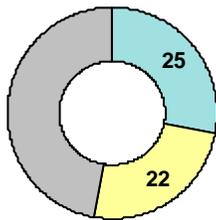


Bridge Number: 530 / 290		Bridge Name: ROCKPORT BRIDGE		Milepost: 67.34	Region: Northwest	
Year Built 1961	Bridge Type: SB CTB		Steel Span Length: 456 ft.	Width (curb-curb): 24.2 ft.	Steel Tonnage: 245	
Paint Age: 22	Paint Color: Evergreen	34097	Steel Surf. Area: 26,950 sqft	BMS Cond State 2: 1,000 sqft	BMS Cond State 3: 1,000 sqft	
Next Paint Year: 2015	2007-09 Rank: 34	2009-11 Rank: 48	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$3,000	Future Paint Cost: \$735,000

Past Paint History

Years	Cycle
1986	25
1961	22

Painting Cycle



■ = Current Paint Age



A LMC overlay was applied to the bridge deck in 1995 (C#14696). The bridge rails and expansion joints were also replaced.

Bridge Inspection Notes:

Girder paint system is starting to peel and flake in some locations. The top flange of the outside girders are starting to rust in few areas.

Light rust in bottom flange and diaphragms at hinges. Areas of rust in top flanges at interface with deck.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

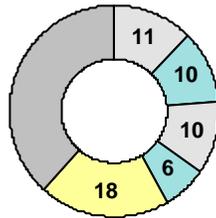


Bridge Number: 536 / 15		Bridge Name: SKAGIT R		Milepost: 4.72	Region: Northwest
Year Built 1953	Bridge Type: SS ST CTB		Steel Span Length: 451 ft.	Width (curb-curb): 28 ft.	Steel Tonnage: 534
Paint Age: 18	Paint Color: 26307 Light Gray	Steel Surf. Area: 80,100 sqft	BMS Cond State 2: 20,000 sqft	BMS Cond State 3: 4,000 sqft	
Next Paint Year: 2015	2007-09 Rank: 46	2009-11 Rank: 43	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$3,000
			Future Paint Cost: \$1,602,000		

Past Paint History

Years	Cycle
1990	6
1984	10
1974	10
1964	11
1953	11

Painting Cycle



■ = Current Paint Age



This bridge was a movable bridge but all the machinery has been removed.

Bridge Inspection Notes:

Top layer of paint has failed on the bottom chord. Paint breaking down and steel surface is rusting in hand holds, bottom half of truss diagonals, end posts and portal frames, top chords and sway frames.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

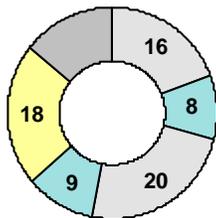


Bridge Number: 542 / 30		Bridge Name: N FK NOOKSACK R WARNICK		Milepost: 30.87	Region: Northwest
Year Built 1931	Bridge Type: ST CG		Steel Span Length: 150 ft.	Width (curb-curb): 20 ft.	Steel Tonnage: 105
Paint Age: 18	Paint Color: Evergreen	34097	Steel Surf. Area: 15,750 sqft	BMS Cond State 2: 8,000 sqft	BMS Cond State 3: 1,200 sqft
Next Paint Year: 2008	2007-09 Rank: 4	2009-11 Rank: 1	CPMS Ad date: 4/7/2008	Paint Pin Number: 154230S	Cost Est\$/Ton: \$4,000
			Future Paint Cost: \$420,000		

Past Paint History

Years	Cycle
1990	9
1981	20
1961	8
1953	16
1937	

Painting Cycle



■ = Current Paint Age



This bridge is scheduled to be painted in 2008.

The last Bridge Inspector noted:

Approximately 65 percent of the truss painted steel surfaces have peeling paint. About 10 percent of the truss has exposed steel. About 40 percent of the floor system has peeling paint. Less than 5 percent of the floor system has exposed steel with pitting and laminar rust.

Steel Bridge Paint Form

2009-11 Biennium Priority Array

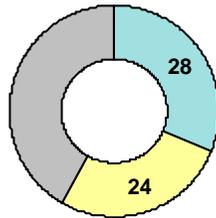


Bridge Number: 542 / 33		Bridge Name: GLACIER CR		Milepost: 33.49	Region: Northwest
Year Built 1956	Bridge Type: SB		Steel Span Length: 84 ft.	Width (curb-curb): 26 ft.	Steel Tonnage: 35
Paint Age: 24	Paint Color: Evergreen	34097	Steel Surf. Area: 3,850 sqft	BMS Cond State 2: 2,050 sqft	BMS Cond State 3: 200 sqft
Next Paint Year: 2015	2007-09 Rank: 42	2009-11 Rank: 39	CPMS Ad date:	Paint Pin Number:	Cost Est\$/Ton: \$5,714
					Future Paint Cost: \$200,000

Past Paint History

Years	Cycle
1984	28
1956	24

Painting Cycle



■ = Current Paint Age



No Photo Available

No Photo Available

The last inspection report indicates that there are many paint chips on the bottom flange of the steel beams. The top flanges have laminar rust near abutments. The top flanges of cross brace channels are rusty.

Many of the roadway rail posts have peeling paint. The bearing plates and bolts are heavily corroded.