

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\$
16	27/12	N FK PALOUSE R	15.02	Eastern	130	\$328,000
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
Total Number of Bridges = 3					Total Project \$ =	\$4,549,000



Steel Bridge Paint Form

2009-11 Biennium Priority Array

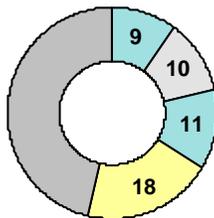


Bridge Number: 21 / 334		Bridge Name: KETTLE R		Milepost: 181.00	Region: Eastern	
Year Built 1960	Bridge Type: ST		Steel Span Length: 205 ft.	Width (curb-curb): 26 ft.	Steel Tonnage: 180	
Paint Age: 18	Paint Color: Warm Brown	30099	Steel Surf. Area: 27,000 sqft	BMS Cond State 2: 21,600 sqft	BMS Cond 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

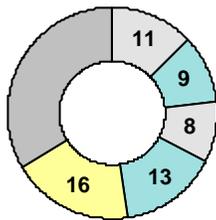


Bridge Number: 25 / 130		Bridge Name: COLUMBIA R @ NORTHPORT		Milepost: 113.92	Region: Eastern
Year Built 1948	Bridge Type: ST CTB CG CS		Steel Span Length: 840 ft.	Width (curb-curb): 24 ft.	Steel Tonnage: 1,167
Paint Age: 16	Paint Color: Evergreen	34097	Steel Surf. Area: 175,050 sqft	BMS Cond State 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

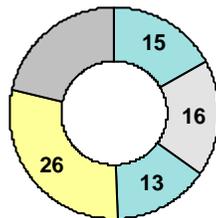


Bridge Number: 27 / 12		Bridge Name: N FK PALOUSE R		Milepost: 15.02	Region: Eastern
Year Built 1938	Bridge Type: SG CTB		Steel Span Length: 95 ft.	Width (curb-curb): 24 ft.	Steel Tonnage: 82
Paint Age: 26	Paint Color: 26307 Light Gray	Steel Surf. Area: 12,300 sqft	BMS Cond State 2: 4,800 sqft	BMS Cond 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.