

E-154

DEPARTMENT OF PUBLIC WORKS.

Compiled by T. C. Hanford.

Bridges Under Supervision of Bureau of Highways and Bridges.

May 23, 1914.

NAME	DESCRIPTION	LENGTH	WIDTH	HEIGHT	PAVING	COST	ERECTED	REMARKS
Front Street	Steel Girders on Steel Towers	495	64	70	Wood Blocks	\$ 69,071	June, 1905.	Over Marquam Gulch.
First Street	Steel Girders on Steel Towers	300	64	70	Wood Blocks	59,386	Sept. 1904.	Over Marquam Gulch.
Thurman Street	Steel Girders on Steel Towers	400	40	100	Plank	35,000	Jan. 1905.	Over Balch Creek.
Ford Street	Steel Girders on Steel Towers	520	45	125	Plank	35,000	1903.	Built by P. R. L. & P. Co.
Grand Avenue	Steel Girders on Steel Towers	360	64	60	Asphalt	63,501	Aug. 1907.	Sullivan's Gulch.
Union Avenue	Steel Girders on Steel Towers	480	60	60	Bitulithic	65,317	Nov. 1908.	Sullivan's Gulch.
East 12th Street	Steel Girders on Steel Towers	320	60	70	Asphaltic	64,872	Oct. 1910.	Sullivan's Gulch.
East 21st Street	Reinforced Concrete	740	60	74	Bitulithic	64,872	Oct. 1912.	Length shown includes approaches, Length between abutments 318.5 ft.
East 28th Street	Reinforced Concrete	558	58	35	Bitulithic	84,400	Feb. 1908.	Sullivan's Gulch.
Edwards Street	Steel Girders on Steel Towers	190	60	36.4	Asphalt	27,560	Nov. 1910.	Built by S. P. & S. Ry.
Willamette Boulevard	Steel Girders on Steel Towers	340	60	90.6	Asphalt	54,480	Nov. 1910.	Built by S. P. & S. Ry.
Lombard Street	Steel Girders on Steel Towers	340	60	82.5	Asphalt	53,890	Nov. 1910.	Built by S. P. & S. Ry.
Walker Street	Steel Girders on Concrete Abutments	130.3	63.7	26.7	Asphalt	31,120	Nov. 1910.	Built by S. P. & S. Ry.
East 33rd Street	Frame Bents, Wood Stringers and Deck	252	18	23	Plank	1,200	June 1902.	Built by O-W. R. & N. Co.
East Glisan Street	Concrete	108	80	23	Macadam	9,427	1911.	Built by Mt. Hood Ry. Co.
Bybee Avenue	Steel Girders on Concrete Abutments	68	22.5	30.5	Plank	1,24,237	1910.	Built by Southern Pacific Co.
Broadway Bridge	Steel Girders, Steel Trusses and Bascule	2990	70	100	Wood Blocks	1,586,922	May, 1913.	
Steel Bridge	Steel Girders, Steel Trusses and Lift	1650	61.5	84.5	Wood Blocks	1,704,105	Aug. 1912.	Approaches are 55 feet wide. Height is from low water to upper deck.
Burnside Bridge	Steel Trusses and Swing Draw	1799	46	41.5	Wood Blocks	300,000	1893	Length shown includes approaches, length of bridge proper is 929 ft.
Morrison Bridge	Steel Trusses and Swing Draw	1702	54	40	Wood Blocks	385,384	April 1905.	Length shown includes approaches, length of bridge proper is 1120 ft. Approaches are 60 feet wide.
Hawthorne Bridge	Steel Trusses and Lift Draw	2172	62	56	Wood Blocks	511,216	Sept. 1911.	Length shown includes approaches, length of bridge proper is 1383 ft.

Cost of O-W.R.&N Bridge is divided as follows: Railroad Bridge \$882,981. Cost of Upper Deck \$821,124.

Cost of Burnside Bridge is only Approximate. This bridge was built by a Commission appointed by the Legislature.

All heights shown on river bridges are distances between roadway and low water.

The Broadway, Steel, Burnside, Morrison and Hawthorne bridges are controlled and operated by Multnomah County.

Approaches to Burnside, Morrison and Hawthorne Bridges are of wood construction.

Morrison Bridge is paved in car tracks and dummy strip with plank. Hawthorne Bridge is paved with plank in car tracks.

Bridges in Parks are not included in this compilation.

Timber trestles are not included. See other sheet.

H. W. HOLMES,

Chief Bureau Highways and Bridges.

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DEPARTMENT OF PUBLIC WORKS.

Compiled by T. C. Hanford.

Trestles Under Supervision Of Bureau of Highways and Bridges.

May 29, 1914.

NAME	DESCRIPTION	LENGTH	HEIGHT	WIDTH	PAVING	COST	ERECTED	REMARKS
East 33rd Street	Frame Bents, Wood Stringers and Deck	252	23	109	Plank	\$1,200	1902	Built by O-W. R. & N. Co. Over Sullivan's Gulch. Near Broadway.
Borthwick Street	Frame Bents, Wood Stringers and Deck	192	20	50	Plank			No walks. Between Fargo and Cook Avenue.
Tacoma Avenue	Frame Bents, Wood Stringers and Deck	160	8	18	Plank			At East 23rd Street.
Arthur Street	Frame Bents, Wood Stringers and Deck	172	23	48	Plank			90 feet of this bridge is 48 feet wide, 82 feet is 30 feet wide. One 12 foot walk, Between Front and First Streets.
Arthur Street	Frame Bents, Wood Stringers and Deck	200	14	30	Plank			One 12 foot walk. Between 1st and 2nd St.
Arthur Street	Frame Bents, Wood Stringers and Deck	22	25	14	Plank			Between 2nd and 3rd St.
College Street	Frame Bents, Wood Stringers and Deck	96	13	16	Plank			Near 15th St.
Sheridan Street	Pile Bents, Wood Stringers and Deck	20	19	60	Plank			Between Front and First St.
Umatilla Ave.	Frame Bents, Wood Stringers and Deck	127	7	21	Plank			Near East 21st St.
Johnson Creek, Lents	Pile Bents, Wood Stringers and Deck	46	9	16	Plank			On south extension of Flint Street, Lents.
Slough	Frame Bents, Wood Stringers and Deck	18	3	11	Plank			About 500 feet south of Johnson Creek Bridge
Macadam Street	Frame Bents, Wood Stringers and Deck	104	26	40	Plank			About 200 feet south of Virginia St.
Blytheswood	Frame Bents, Wood Stringers and Deck	280	92	30	Plank			
Bancroft Avenue	Frame Bents, Wood Stringers and Deck	50	23	4	Plank	204	1913	Foot bridge over Oregon Electric Ry.
9th Street, Fulton Park	Frame Bents, Wood Stringers and Deck	430	66	22	Plank			
East 33rd St	Frame Bents, Wood Stringers and Deck	196	26	16				Near Powell St.
Hillside Drive Bridge	Pile Bents, Frame Deck	208	65	29	Plank			One 4 foot walk.

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