

## Sellwood Bridge - Results of Criteria Contributions to Total Score and Rank

Alternatives						Criteria Categories										Weights Decision Score
Cross Section	Alignment	Interchange Type	2,3,4 lane	Rehab vs. replace	Differentiation	1. Aesthetics	2. Bike and Ped	3. Community Qual of Life	4. Auto, Freight, Emergency Veh.	5. Construction	7. Natural Env.	8. Material Use	9. Mass Transit	10. Seismic	6. Cost	
						<b>8</b>	<b>15</b>	<b>18</b>	<b>16</b>	<b>8</b>	<b>8</b>	<b>3</b>	<b>11</b>	<b>6</b>	<b>7</b>	<b>100</b>
1	D	Purple	Signal	Transit	Replace	4.59	10.24	12.90	11.08	4.12	6.05	0.00	11.00	6.00	5.20	71.18
2	D	Yellow South	Signal	Transit	Replace	4.59	11.20	10.51	11.08	4.94	6.51	0.00	11.00	6.00	5.33	71.16
3	C'	Purple	Signal	2	Replace	6.00	13.13	14.58	7.04	5.42	6.05	0.00	5.13	6.00	5.07	68.40
4	C	Purple	Signal	2	Replace	6.00	13.08	14.58	6.18	5.42	6.05	0.00	5.13	6.00	5.35	67.77
5	D	Blue	Signal	Transit	Replace	4.59	9.33	10.92	11.08	4.12	6.51	0.00	11.00	6.00	4.04	67.58
6	C'	Yellow South	Signal	2	Replace	6.00	14.09	12.18	7.04	5.42	6.51	0.00	5.13	6.00	5.17	67.54
7	C	Yellow South	Signal	2	Replace	6.00	14.04	12.18	6.18	5.42	6.51	0.00	5.13	6.00	5.44	66.89
8	D	Purple	Roundabout	Transit	Replace	5.31	8.41	12.90	11.08	4.12	6.05	0.00	8.27	6.00	4.53	66.67
9	D	Teal	Signal	Transit	Replace	4.49	6.59	12.80	11.08	6.23	3.29	0.00	11.00	6.00	4.96	66.43
10	F	Yellow South	Signal	3	Replace	4.59	13.13	7.68	12.74	4.94	6.51	0.00	6.14	6.00	4.66	66.38
11	F	Purple	Signal	3	Replace	4.59	13.13	10.08	12.74	4.12	4.92	0.00	6.14	6.00	4.51	66.21
12	K	Purple	Signal	4	Replace	2.72	11.16	10.59	14.19	4.12	7.18	0.00	5.39	6.00	4.86	66.20
13	D	Pink	Signal	Transit	Replace	4.49	5.67	10.94	11.08	6.23	4.59	0.00	11.00	6.00	5.19	65.19
14	D	Yellow South	Roundabout	Transit	Replace	5.31	7.50	10.51	11.08	4.94	6.51	0.00	8.27	6.00	4.63	64.74
15	C'	Blue	Signal	2	Replace	6.00	12.21	12.55	7.04	5.42	6.51	0.00	5.13	6.00	3.88	64.73
16	D	Yellow South	Signal	Transit	Truss Replace	3.21	10.29	10.66	11.08	4.94	5.44	3.00	11.00	3.00	2.10	64.72
17	C'	Purple	Roundabout	2	Replace	6.72	11.30	14.58	7.04	5.42	6.05	0.00	2.72	6.00	4.60	64.41
18	K	Teal	Signal	4	Replace	2.62	10.24	10.49	14.19	6.23	4.42	0.00	5.39	6.00	4.60	64.17
19	C	Blue	Signal	2	Replace	6.00	12.16	12.55	6.18	5.42	6.51	0.00	5.13	6.00	4.14	64.08
20	E	Purple	Signal	4	Replace	4.59	5.48	10.08	15.14	4.12	6.05	0.00	7.47	6.00	5.01	63.93
21	C	Purple	Roundabout	2	Replace	6.72	11.25	14.58	6.18	5.42	6.05	0.00	2.72	6.00	4.85	63.76
22	A'	Purple	Signal	2	Replace	6.69	8.37	14.58	3.17	6.23	7.18	0.00	5.13	6.00	6.27	63.61
23	D	Pink	Roundabout	Transit	Replace	5.21	6.63	10.94	11.08	6.23	4.59	0.00	8.27	6.00	4.55	63.51
24	K	Blue	Signal	4	Replace	2.72	10.24	9.15	14.19	4.12	7.64	0.00	5.39	6.00	3.72	63.17
25	F	Purple	Roundabout	3	Replace	5.31	11.30	10.08	12.74	4.12	6.05	0.00	3.40	6.00	4.08	63.07
26	D	Blue	Roundabout	Transit	Replace	5.31	7.50	10.92	11.08	4.12	6.51	0.00	8.27	6.00	3.33	63.04
27	E	Yellow South	Signal	4	Replace	4.59	5.48	7.68	15.14	4.94	6.51	0.00	7.47	6.00	5.16	62.96
28	F	Blue	Signal	3	Replace	4.59	12.21	8.09	12.74	4.12	5.38	0.00	6.14	6.00	3.37	62.63
29	F	Teal	Signal	3	Replace	4.49	9.47	9.98	12.74	6.23	3.29	0.00	6.14	6.00	4.31	62.63
30	K	Yellow South	Signal	4	Replace	2.72	9.38	8.22	14.19	4.94	6.51	0.00	5.39	6.00	5.03	62.37
31	D	Teal	Roundabout	Transit	Replace	5.21	5.72	12.29	11.08	6.23	3.29	0.00	8.27	6.00	4.21	62.30
32	C'	Teal	Signal	2	Replace	5.90	9.47	13.31	7.04	6.71	3.29	0.00	5.13	6.00	4.90	61.74
33	C'	Yellow South	Roundabout	2	Replace	6.72	10.38	12.18	7.04	5.42	6.51	0.00	2.72	6.00	4.75	61.72
34	K	Purple	Roundabout	4	Replace	3.45	9.33	10.43	14.19	4.12	7.18	0.00	2.66	6.00	4.22	61.57
35	F	Pink	Signal	3	Replace	4.49	8.56	8.12	12.74	6.23	4.59	0.00	6.14	6.00	4.53	61.39
36	F	Yellow South	Roundabout	3	Replace	5.31	10.38	7.68	12.74	4.94	6.51	0.00	3.40	6.00	4.24	61.21
37	C	Teal	Signal	2	Replace	5.90	9.42	13.31	6.18	6.71	3.29	0.00	5.13	6.00	5.18	61.11
38	A	Yellow South	Roundabout	2	Rehab	6.72	10.34	12.18	6.18	5.42	6.51	0.00	2.72	6.00	4.99	61.05
39	C'	Blue	Roundabout	2	Replace	6.72	10.38	12.55	7.04	5.42	6.51	0.00	2.72	6.00	3.46	60.79
40	K	Yellow South	Signal	4	Truss Replace	2.03	11.20	8.38	14.19	4.94	6.57	3.00	5.39	3.00	2.05	60.75
41	A'	Yellow South	Signal	2	Replace	6.69	9.33	12.21	3.17	6.71	7.64	0.00	5.13	6.00	3.74	60.62
42	E	Blue	Signal	4	Replace	4.59	4.57	8.09	15.14	4.12	6.51	0.00	7.47	6.00	3.86	60.34

The colors on this spreadsheet indicate which alternatives scored well (yellow) and very well (green) within each category of criteria. The numbers were rounded to the nearest hundredth.

	Cross Section	Alignment	Interchange Type	2,3,4 lane	Rehab vs. replace	Differentiation	1. Aesthetics	2. Bike and Ped	3. Community Qual of Life	4. Auto, Freight, Emgerncy Veh.	5. Construction	7. Natural Env.	8. Material Use	9. Mass Transit	10. Seismic	6. Cost	Updated Weights Decision Score
43	C	Blue	Roundabout	2	Replace		6.72	10.34	12.55	6.18	5.42	6.51	0.00	2.72	6.00	3.70	60.12
44	C'	Pink	Signal	2	Replace		5.90	8.56	10.94	7.04	6.71	4.59	0.00	5.13	6.00	5.13	60.00
45	C'	Yellow South	Signal	2	Truss Replace		3.93	13.17	12.34	7.04	4.94	5.44	3.00	5.13	3.00	1.96	59.94
46	K	Pink	Signal	4	Replace		2.62	6.59	8.12	14.19	6.23	5.72	0.00	5.39	6.00	4.91	59.77
47	C	Yellow South	Signal	2	Truss Replace		3.93	13.13	12.34	6.18	5.42	5.44	3.00	5.13	3.00	2.20	59.75
48	F	Blue	Roundabout	3	Replace		5.31	10.38	8.09	12.74	4.12	6.51	0.00	3.40	6.00	2.95	59.51
49	A'	Purple	Roundabout	2	Replace		7.41	6.54	14.58	3.17	6.23	7.18	0.00	2.72	6.00	5.68	59.51
50	E	Purple	Roundabout	4	Replace		5.31	3.66	10.08	15.14	4.12	6.05	0.00	4.73	6.00	4.36	59.44
51	C	Pink	Signal	2	Replace		5.90	8.51	10.94	6.18	6.71	4.59	0.00	5.13	6.00	5.41	59.37
52	D	Yellow South	Roundabout	Transit	Truss Replace		3.93	7.50	10.66	11.08	4.94	5.44	3.00	8.27	3.00	1.36	59.18
53	E	Teal	Signal	4	Replace		4.49	1.83	9.98	15.14	6.23	3.29	0.00	7.47	6.00	4.76	59.17
54	F	Pink	Roundabout	3	Replace		5.21	8.56	8.12	12.74	6.23	4.59	0.00	3.40	6.00	4.15	59.00
55	F	Yellow South	Signal	3	Truss Replace		3.21	12.21	7.84	12.74	4.94	4.31	3.00	6.14	3.00	1.50	58.88
56	A'	Blue	Signal	2	Replace		6.69	7.45	12.58	3.17	6.23	6.51	0.00	5.13	6.00	5.02	58.78
57	K	Yellow South	Roundabout	4	Replace		3.45	8.41	8.22	14.19	4.94	6.51	0.00	2.66	6.00	4.35	58.73
58	E	Pink	Signal	4	Replace		4.49	0.91	8.12	15.14	6.23	4.59	0.00	7.47	6.00	4.99	57.93
59	N	Purple	Signal	4	Existing as Bike/Ped, New Bridge		2.62	9.38	8.30	14.19	3.64	6.46	3.00	5.07	3.00	2.28	57.93
60	F	Teal	Roundabout	3	Replace		5.21	7.64	9.47	12.74	6.23	3.29	0.00	3.40	6.00	3.82	57.79
61	C	Teal	Roundabout	2	Replace		6.62	7.60	12.80	6.18	6.71	4.42	0.00	2.72	6.00	4.61	57.64
62	C'	Pink	Roundabout	2	Replace		5.93	8.56	10.94	7.04	6.71	4.95	0.00	2.72	6.00	4.70	57.54
63	K	Blue	Roundabout	4	Replace		3.45	8.41	9.15	14.19	4.12	6.51	0.00	2.66	6.00	3.05	57.54
64	E	Yellow South	Roundabout	4	Replace		5.31	2.74	7.68	15.14	4.94	6.51	0.00	4.73	6.00	4.47	57.52
65	K	Pink	Roundabout	4	Replace		3.34	6.59	8.12	14.19	6.23	6.08	0.00	2.66	6.00	4.32	57.52
66	K	Teal	Roundabout	4	Replace		3.34	6.54	9.98	14.19	6.23	4.42	0.00	2.66	6.00	3.90	57.25
67	C'	Teal	Roundabout	2	Replace		6.62	7.64	12.80	7.04	6.71	3.29	0.00	2.72	6.00	4.36	57.18
68	A'	Teal	Signal	2	Replace		6.59	4.71	13.31	3.17	7.53	4.42	0.00	5.13	6.00	6.09	56.94
69	C	Pink	Roundabout	2	Replace		5.93	8.51	10.94	6.18	6.71	4.95	0.00	2.72	6.00	4.94	56.88
70	E	Yellow South	Signal	4	Truss Replace		3.21	4.57	7.84	15.14	4.94	5.44	3.00	7.47	3.00	1.93	56.52
71	N	Teal	Signal	4	Existing as Bike/Ped, New Bridge		2.62	9.38	8.55	14.19	5.27	4.06	3.00	4.04	3.00	2.00	56.10
72	L	Yellow Center	Signal	2	Rehab	w/ bridge detour	3.93	8.41	11.62	4.12	7.53	6.74	3.00	5.13	1.50	3.92	55.90
73	A'	Blue	Roundabout	2	Replace		7.41	5.63	12.58	3.17	6.23	7.64	0.00	2.72	6.00	4.47	55.84
74	E	Blue	Roundabout	4	Replace		5.31	2.74	8.09	15.14	4.12	6.51	0.00	4.73	6.00	3.18	55.82
75	N	Purple	Roundabout	4	Existing as Bike/Ped, New Bridge		3.34	9.38	8.30	14.19	3.64	6.46	3.00	2.98	3.00	1.46	55.75
76	F	Yellow South	Roundabout	3	Truss Replace		3.93	10.38	7.84	12.74	4.94	5.44	3.00	3.40	3.00	1.02	55.69
77	E	Pink	Roundabout	4	Replace		5.21	0.91	8.12	15.14	6.23	4.59	0.00	4.73	6.00	4.38	55.31
78	A	Yellow Center	Signal	2	Rehab	w/ bridge detour	3.93	8.41	11.66	3.17	7.53	6.74	3.00	5.13	1.50	4.07	55.13
79	C'	Yellow South	Roundabout	2	Truss Replace		4.65	10.38	12.34	7.04	4.94	5.44	3.00	2.72	3.00	1.48	54.99
80	N	Pink	Signal	4	Existing as Bike/Ped, New Bridge		2.62	7.55	5.98	14.19	5.27	5.72	3.00	5.39	3.00	2.26	54.98
81	C	Yellow South	Roundabout	2	Truss Replace		4.65	10.34	12.34	6.18	5.42	5.44	3.00	2.72	3.00	1.69	54.77

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	Cross Section	Alignment	Interchange Type	2,3,4 lane	Rehab vs. replace	Differentiation	1. Aesthetics	2. Bike and Ped	3. Community Qual of Life	4. Auto, Freight, Emgerncy Veh.	5. Construction	7. Natural Env.	8. Material Use	9. Mass Transit	10. Seismic	6. Cost	Updated Weights Decision Score
82	A'	Yellow South	Roundabout	2	Replace		7.41	5.63	12.21	3.17	6.71	7.64	0.00	2.72	6.00	3.19	54.67
83	N	Teal	Roundabout	4	Existing as Bike/Ped, New Bridge		3.34	9.38	8.55	14.19	5.27	4.06	3.00	2.66	3.00	1.10	54.55
84	A'	Pink	Signal	2	Replace		5.90	3.80	10.94	3.17	7.53	5.72	0.00	5.13	6.00	6.33	54.51
85	L	Yellow Center	Signal	2	Rehab	w/ bridge detour and phase 2 seismic	3.93	8.41	11.62	4.12	7.05	6.38	3.00	5.13	3.00	1.84	54.49
86	K	Yellow South	Roundabout	4	Truss Replace		2.76	8.41	8.38	14.19	4.94	5.44	3.00	2.66	3.00	1.34	54.11
87	E	Teal	Roundabout	4	Replace		5.21	0.00	9.47	15.14	6.23	3.29	0.00	4.73	6.00	4.05	54.11
88	A	Yellow Center	Signal	2	Rehab	w/ bridge detour and phase 2 seismic	3.93	8.41	11.66	3.17	7.05	6.38	3.00	5.13	3.00	1.98	53.71
89	A'	Pink	Roundabout	2	Replace		6.62	4.76	10.94	3.17	7.53	6.08	0.00	2.72	6.00	5.75	53.56
90	N	Blue	Signal	4	Existing as Bike/Ped, New Bridge		2.03	9.38	6.01	14.19	3.64	5.80	3.00	5.39	3.00	0.86	53.30
91	L	Yellow Center	Signal	2	Rehab		3.93	8.41	12.38	4.12	1.44	6.74	3.00	5.13	1.50	6.61	53.25
92	N	Pink	Roundabout	4	Existing as Bike/Ped, New Bridge		3.34	7.55	5.98	14.19	5.27	5.72	3.00	3.30	3.00	1.47	52.83
93	A	Yellow Center	Signal	2	Rehab		3.93	8.41	12.41	3.17	1.44	6.74	3.00	5.13	1.50	6.76	52.49
94	N	Blue	Roundabout	4	Existing as Bike/Ped, New Bridge		2.76	9.38	6.01	14.19	3.64	5.80	3.00	4.68	3.00	0.02	52.46
95	A'	Teal	Roundabout	2	Replace		7.31	2.88	12.80	3.17	7.53	4.42	0.00	2.72	6.00	5.40	52.23
96	L	Yellow Center	Roundabout	2	Rehab	w/ bridge detour	4.65	5.63	11.62	4.12	7.53	7.29	3.00	2.72	1.50	4.17	52.21
97	E	Yellow South	Roundabout	4	Truss Replace		3.93	2.74	7.84	15.14	4.94	5.44	3.00	4.73	3.00	1.21	51.97
98	I	Yellow Center	Signal	2	Rehab	w/ bridge detour	2.03	7.36	12.03	3.17	7.53	7.29	3.00	3.70	1.50	4.31	51.91
99	L	Yellow Center	Signal	2	Rehab	w/ phase 2 seismic	3.93	8.41	12.38	4.12	0.96	6.38	3.00	5.13	3.00	4.53	51.84
100	A'	Yellow South	Signal	2	Truss Replace		3.93	8.41	12.37	3.17	6.23	5.44	3.00	5.13	3.00	1.03	51.71
101	A	Yellow Center	Signal	2	Rehab	w/ phase 2 seismic	3.93	8.41	12.41	3.17	0.96	6.38	3.00	5.13	3.00	4.67	51.06
102	A	Yellow Center	Roundabout	2	Rehab	w/ bridge detour	4.65	5.63	11.66	3.17	7.53	7.29	3.00	2.72	1.50	3.45	50.59
103	I	Yellow Center	Signal	2	Rehab	w/ bridge detour and phase 2 seismic	2.03	7.36	12.03	3.17	7.05	6.93	3.00	3.70	3.00	2.23	50.49
104	L	Yellow Center	Roundabout	2	Rehab	w/ bridge detour and phase 2 seismic	4.65	5.63	11.62	4.12	7.05	6.93	3.00	2.72	3.00	1.23	49.94
105	M	Purple	Signal	2	Existing as Bike/Ped, New Bridge		2.62	9.38	9.96	5.08	3.64	6.46	3.00	3.05	3.00	3.12	49.30
106	I	Yellow Center	Signal	2	Rehab		2.03	7.36	12.78	3.17	1.44	7.29	3.00	3.70	1.50	7.00	49.26
107	A	Yellow Center	Roundabout	2	Rehab	w/ bridge detour and phase 2 seismic	4.65	5.63	11.66	3.17	7.05	6.93	3.00	2.72	3.00	1.37	49.17

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108	L	Yellow Center	Roundabout	2	Rehab		4.65	5.63	12.38	4.12	1.44	7.29	3.00	2.72	1.50	6.00	48.71
109	M	Teal	Signal	2	Existing as Bike/Ped, New Bridge		2.62	9.38	10.21	5.08	5.27	5.19	3.00	2.02	3.00	2.91	48.68
110	A	Yellow Center	Roundabout	2	Rehab		4.65	5.63	12.41	3.17	1.44	7.29	3.00	2.72	1.50	6.14	47.94
111	I	Yellow Center	Signal	2	Rehab	w/ phase 2 seismic	2.03	7.36	12.78	3.17	0.96	6.93	3.00	3.70	3.00	4.91	47.84
112	M	Pink	Signal	2	Existing as Bike/Ped, New Bridge		2.62	7.55	7.64	5.08	5.27	6.85	3.00	3.38	3.00	3.12	47.51
113	A'	Yellow South	Roundabout	2	Truss Replace		4.65	5.63	12.37	3.17	6.23	6.57	3.00	2.72	3.00	0.00	47.33
114	L	Yellow Center	Roundabout	2	Rehab	w/ phase 2 seismic	4.65	5.63	12.38	4.12	0.96	6.93	3.00	2.72	3.00	3.91	47.29
115	M	Purple	Roundabout	2	Existing as Bike/Ped, New Bridge		3.34	9.38	9.96	5.08	3.64	6.46	3.00	0.96	3.00	2.42	47.23
116	M	Teal	Roundabout	2	Existing as Bike/Ped, New Bridge		3.34	9.38	10.21	5.08	5.27	5.19	3.00	0.64	3.00	2.09	47.21
117	I	Yellow Center	Roundabout	2	Rehab	w/ bridge detour	2.76	4.57	12.03	3.17	7.53	7.29	3.00	1.29	1.50	3.67	46.79
118	A	Yellow Center	Roundabout	2	Rehab	w/ phase 2 seismic	4.65	5.63	12.41	3.17	0.96	6.93	3.00	2.72	3.00	4.05	46.51
119	M	Blue	Signal	2	Existing as Bike/Ped, New Bridge		2.03	9.38	7.70	5.08	3.64	6.93	3.00	3.38	3.00	1.62	45.75
120	M	Pink	Roundabout	2	Existing as Bike/Ped, New Bridge		3.34	7.55	7.64	5.08	5.27	6.85	3.00	1.29	3.00	2.42	45.44
121	I	Yellow Center	Roundabout	2	Rehab	w/ bridge detour and phase 2 seismic	2.76	4.57	12.03	3.17	7.05	6.93	3.00	1.29	3.00	1.59	45.37
122	M	Blue	Roundabout	2	Existing as Bike/Ped, New Bridge		2.76	9.38	7.70	5.08	3.64	6.93	3.00	2.66	3.00	0.95	45.08
123	I	Yellow Center	Roundabout	2	Rehab		2.76	4.57	12.78	3.17	1.44	7.29	3.00	1.29	1.50	6.36	44.14
124	I	Yellow Center	Roundabout	2	Rehab	w/ phase 2 seismic	2.76	4.57	12.78	3.17	0.96	6.93	3.00	1.29	3.00	4.27	42.72

The colors on this spreadsheet indicate which alternatives scored well (yellow) and very well (green) within each category of criteria. The numbers were rounded to the nearest hundredth.