P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Priority Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
1	8/104N	SR 101 OC MUD BAY	20.63	30.0	186	Olympic	
1	8/104S	SR 101 OC MUD BAY	20.63	30.0	186	Olympic	
1	9/128	GETCHELL BRIDGE	21.09	28.0	243	Northwest	$82,000
1	99/507E	SR 599 OC	22.94	23.0	263	Northwest	$92,000
1	101/427	US 101 OC, LOST LK RD	348.08	26.0	251	Olympic	$69,000
1	107/4	CHEHALIS R	6.83	26.0	1,302	Olympic	$134,000
1	167/111W-N	W-N RAMP N-E RAMP OC	14.28	26.0	273	Northwest	$88,000
1	522/138	SNOHOMISH R	20.50	31.5	1,679	Northwest	$1,129,000
2	20/15	SNC RR OC (CMSTPP)	9.16	26.0	228	Olympic	$84,000
3	12/114	BN RR OC (NP)	44.92	28.0	261	Olympic	$102,000
4	410/115	SCATTER CR	31.06	28.0	250	Northwest	$176,000
5	5/570	LAKE WASH SHIP CANAL	169.63	174.0	4,429	Northwest	$2,480,000
6	5/453	SR 167 E-N RAMP OC	135.17	143.3	121	Olympic	$614,000
7	5/455	EAST T ST SEWER OC	135.17	120.0	150	Olympic	$526,000
8	5/437	S M ST OC	132.84	158.3	232	Olympic	$379,000
9	5/433	S-N RAMP OC	132.26	118.0	195	Olympic	$503,000
10	5/535W	SB VIADUCT STA 2032	162.24	70.0	604	Northwest	$1,638,000
11	5/531E	MILITARY RD OC	159.67	80.0	161	Northwest	$235,000
12	5/531W	MILITARY RD OC	159.67	79.2	149	Northwest	$215,000
13	5/534E	LUCILE ST OC	161.27	89.8	172	Northwest	$470,000
14	5/534W	LUCILE ST OC	161.27	76.2	190	Northwest	$441,000
15	5/520W	KLICKITAT DR OC	154.13	80.0	163	Northwest	$220,000
16	5/521E	E-N S-N RAMPS OC	154.52	68.0	217	Northwest	$285,000
17	5/521W	E-N RAMP OC	154.52	78.0	146	Northwest	$186,000
18	5/452E	PORTLAND AVE OC	134.87	57.0	216	Olympic	$367,000
19	5/452W	PORTLAND AVE OC	134.87	72.0	216	Olympic	$427,000
20	5/536E	NB VIADUCT STA 2064	162.98	55.8	746	Northwest	$742,000
21	5/536W	SB VIADUCT STA 2064	162.98	50.7	746	Northwest	$965,000
22	5/538E	NB VIADUCT STA 2075	162.98	57.7	872	Northwest	$1,438,000
23	5/539E	NB VIADUCT STA 2085	163.24	70.0	5,825	Northwest	$8,585,000
24	5/539W	SB VIADUCT STA 2075	162.98	68.0	6,622	Northwest	$9,795,000
25	5/445W	SR7&CW RR OC (CMSTP&P)	133.71	56.0	817	Olympic	$1,518,000
26	5/516E	ORILLA RD OC	152.26	77.4	195	Northwest	$304,000

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Priority Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
27	5/516W	ORILLA RD OC-SO188TH ST	152.26	92.0	230	Northwest	$388,000
28	5/506E	MILITARY RD OC	144.65	73.4	199	Northwest	$190,000
29	5/506W	MILITARY RD OC	144.65	78.7	199	Northwest	$183,000
30	5/507E	S 288TH ST OC	145.79	75.0	157	Northwest	$264,000
31	5/507W	S 288TH ST OC	145.79	78.7	157	Northwest	$246,000
32	5/511E	SR 516 OC	149.17	84.0	269	Northwest	$455,000
33	5/508E	MILITARY RD OC	146.44	70.0	243	Northwest	$434,000
34	5/508W	MILITARY RD OC	146.43	95.8	243	Northwest	$608,000
35	5/509E	S 272ND ST OC	146.81	73.6	151	Northwest	$248,000
36	5/509W	S 272ND ST OC	146.81	88.5	151	Northwest	$243,000
37	5/510E	S 260TH ST OC	147.64	63.0	162	Northwest	$153,000
38	5/510W	S 260TH ST OC	147.64	78.7	162	Northwest	$111,000
39	5/504E	S 336TH ST OC	142.79	55.0	198	Northwest	$178,000
40	5/504W	S 336TH ST OC	142.79	55.0	156	Northwest	$146,000
41	5/537N	S-E RAMP WB LANES	162.99	28.0	2,885	Northwest	$1,273,000
42	5/537S	EB LANES I-5 OC	163.00	28.0	1,793	Northwest	$919,000
43	5/505	I-5 OC, S320TH	143.83	73.0	332	Northwest	$410,000
44	5/528	I-5 OC, S 107TH ST	158.01	82.0	337	Northwest	$495,000
45	5/517A	S-W RAMP OC	152.48	34.0	227	Northwest	$228,000
46	5/518	I-5 OC, S 178TH ST	153.15	26.0	322	Northwest	$207,000
47	5/513	I-5 OC, S 216TH	150.33	28.0	290	Northwest	$247,000
50	5/463	I-5 OC, PORTER WAY	139.06	26.0	615	Olympic	$184,000
51	5/501	I-5 OC, S 375TH	140.15	26.0	301	Northwest	$287,271
52	5/503E	SR 18 OC	142.00	71.0	206	Northwest	$900,000
53	5/503W	SR 18 OC	142.00	71.0	213	Northwest	$900,000
54	5/532.1	N-SWIFT RAMP	161.27	32.0	391	Northwest	$299,442
55	5/533.5W	N-W RAMP OC	161.27	76.7	469	Northwest	$1,024,111
56	5/534A	N-W RAMP AIRPORT W. OC	161.27	43.0	636	Northwest	$870,843
57	5/536N-W	NB I5 to WB W SEA FRWY	162.98	21.0	1,722	Northwest	$423,924
58	5/537E-S	E-S RAMP BR	162.99	21.0	1,206	Northwest	$213,131
59	5/537W-W	W-6TH RAMP BR	163.00	21.0	398	Northwest	$97,895
60	5/539NCD	NBCD RAMP BR	164.41	33.7	151	Northwest	$70,730
61	5/539SCD	SBCD VIADUCT STA 2133	164.41	50.0	729	Northwest	$1,070,091

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Priority Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
62	5/542E	DEARBORN ST OC	164.41	61.0	219	Northwest	$121,787
63	5/542NCD	NBCD DEARBORN ST OC	164.41	36.1	216	Northwest	$153,527
64	5/542SCD	SBCD DEARBORN ST OC	164.41	60.0	216	Northwest	$221,529
65	5/542W	DEARBORN ST OC	164.41	55.8	219	Northwest	$108,746
66	5/543E	KING-JACKSON ST OC	164.41	58.8	706	Northwest	$384,214
67	5/543NCD	NBCD KING JACKSON ST OC	164.41	48.0	709	Northwest	$453,195
68	5/543SCD	SBCD KING JACKSON ST OC	164.41	60.0	709	Northwest	$512,105
69	5/543W	KING-JACKSON ST OC	164.41	55.8	712	Northwest	$372,961
70	5/544	I-5 OC, YESLER ST	165.69	42.0	391	Northwest	$678,513
71	5/545E	NB VIADUCT STA 2195	165.69	43.9	4,714	Northwest	$4,311,269
72	5/545SCD	SBCD VIADUCT STA 2195	165.71	44.9	806	Northwest	$559,460
73	5/545W	SB VIADUCT STA 2195	165.69	39.0	807	Northwest	$398,646
74	5/546	I-5 OC, MADISON ST	165.69	50.0	280	Northwest	$485,546
75	5/547	I-5 OC, SPRING ST	165.69	36.0	279	Northwest	$612,150
76	5/548	I-5 OC, SENECA ST	165.69	36.0	250	Northwest	$616,594
77	5/549	I-5 UC, 8TH AVE	165.69	28.0	859	Northwest	$218,609
78	5/550	I-5 OC, PIKE ST	166.06	48.0	282	Northwest	$723,195
79	5/551	I-5 OC, PINE ST-BOREN	166.06	48.0	825	Northwest	$1,326,650
80	5/562E	NB LANES VIADUCT	166.98	66.0	381	Northwest	$187,798
81	5/566W	DENNY WAY-LAKEVIEW V	166.98	60.0	7,077	Northwest	$12,064,641
82	5/588E	NORTHGATE WAY OC	172.76	72.0	166	Northwest	$421,702
83	5/588SCD	SBCD NORTHGATE WAY OC	172.76	21.0	166	Northwest	$200,767
84	5/588W	NORTHGATE WAY OC	172.76	72.0	166	Northwest	$376,272
85	5/596	I-5 OC, NE 185TH ST	176.72	46.0	249	Northwest	$372,444
86	405/1	I-5 OC	0.00	46.0	560	Northwest	$319,539
87	405/5	I-405 OC, 61ST AVE S	0.34	58.0	205	Northwest	$203,880
88	405/11	SR 181 OC	0.96	167.9	173	Northwest	$764,044
89	405/12	BN RR OC (CMSTPP & NP)	1.14	115.7	765	Northwest	$928,439
90	405/15	SR 167 OC	2.30	184.0	188	Northwest	$560,313
91	405/16	SR 515 OC	2.77	108.0	215	Northwest	$318,247
92	405/41E	SE 8TH ST OC	12.78	64.0	189	Northwest	$144,216
93	405/41W	WILBURTON INTERCHANGE	12.79	61.0	183	Northwest	$144,799
94	405/44	I-405 OC, 12TH ST	14.12	48.0	298	Northwest	$263,852

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Priority Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
95	405/45E	N-W N-E RAMP OC	14.82	68.0	245	Northwest	$106,788
96	405/45W	N-W & N-E RAMPS OC	14.82	68.0	207	Northwest	$107,569
97	405/46E	SR 520 OC	14.83	75.0	247	Northwest	$212,993
98	405/46W	SR 520 OC	14.83	86.0	241	Northwest	$208,093
99	405/47E	NORTHUP WAY OC	14.83	75.0	160	Northwest	$120,599
100	405/47W	NORTHUP WAY OC	14.83	68.0	149	Northwest	$327,124
101	405/48E	BNRR & 115th AVE NE OC	15.00	75.0	296	Northwest	$288,915
102	405/48S-W	S-W RAMP BNRR OC	14.83	41.0	232	Northwest	$72,710
103	405/48W	BNRR & 115 AVE NE OC	15.00	68.0	204	Northwest	$392,293
104	405/52E	SR 908 OC	18.11	64.0	223	Northwest	$158,142
105	405/52NCD	NBCD, SR 908 OC	17.84	36.0	211	Northwest	$158,296
106	405/52SCD	SBCD, SR 908 OC	18.11	36.0	223	Northwest	$236,269
107	405/52W	SR 908 OC	18.11	64.0	219	Northwest	$156,866
108	405/56E	BN RR OC (NP)	20.00	104.0	199	Northwest	$252,604
109	405/56W	BN RR OC (NP)	19.98	78.0	243	Northwest	$73,508
110	405/59E	NE 132ND ST OC	20.90	68.0	180	Northwest	$163,059
111	405/59W	NE 132ND ST OC	20.90	65.0	168	Northwest	$138,958
112	512/1	I-5 OC	0.00	80.0	211	Olympic	$219,000
113	16/20E	SNAKE LAKE BR	1.57	68.0	492	Olympic	$243,000
114	16/20W	SNAKE LAKE BR	1.57	68.0	512	Olympic	$163,000
115	16/15E	UNION AVE OC	1.15	76.7	231	Olympic	
116	16/15W	UNION AVE OC	1.15	70.0	231	Olympic	
117	16/12E	CEDAR ST OC	0.62	90.3	199	Olympic	
118	16/12W	CEDAR ST OC	0.62	70.5	199	Olympic	
119	167/127W	BN RR OC (NP)	20.96	50.0	314	Northwest	$193,397
120	167/125E	UP RR OC (CMSTPP)	20.40	54.0	348	Northwest	$122,540
121	167/125W	UP RR OC (CMSTPP)	20.40	50.0	360	Northwest	$122,540
122	167/126E	4TH ST OC	20.70	54.0	246	Northwest	$112,860
123	167/126W	4TH AVE OC	20.70	54.0	246	Northwest	$112,596
124	167/127E	BN RR OC (NP)	20.96	56.0	314	Northwest	$193,996
125	167/124E	JAMES ST OC	20.20	54.0	191	Northwest	$87,439
126	167/124W	JAMES ST OC	20.20	54.0	191	Northwest	$94,639
127	167/123E	MEEKER ST OC	19.83	64.0	158	Northwest	$110,831

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Priority Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
128	167/123W	MEEKER ST OC	19.83	59.7	158	Northwest	$76,467
129	167/122E	SR 516 OC	19.60	54.0	190	Northwest	$33,666
130	167/121E	GREEN R	19.04	55.0	241	Northwest	$329,670
131	167/121W	GREEN R	19.04	55.0	241	Northwest	$329,698
132	167/122W	SR 516 OC	19.60	54.0	190	Northwest	$34,348
133	167/112W	SR 18 OC	14.28	44.4	335	Northwest	$308,022
134	18/5	PEASLEY CANYON RD OC	1.86	77.8	360	Northwest	$833,162
135	18/6	W VALLEY HIGHWAY OC	2.30	68.0	114	Northwest	$268,191
136	18/9	NP RY OC	3.82	69.2	1,151	Northwest	$2,730,904
137	518/18S	42ND AVE S OC	2.91	31.0	207	Northwest	$176,567
138	518/18N	42ND AVE S OC	2.91	42.0	207	Northwest	$241,434
139	167/128E	84TH AVE SOUTH O'XING	21.31	54.0	229	Northwest	$112,228
140	167/128W	84TH AVE SOUTH O'XING	21.31	54.0	229	Northwest	$110,682
141	7/122	SR 512 OC	52.54	81.0	113	Olympic	$147,274
142	900/30	I-90 OC	21.58	77.5	240	Northwest	$150,667
143	167/133	SR 167 OC, S 180TH ST	24.42	58.0	240	Northwest	$264,523
144	167/129	SR 167OC S 212TH	22.38	61.0	317	Northwest	$110,985
145	99/400	I-5 OC	0.00	54.0	321	Olympic	$366,212
146	512/19	SR 512 OC, CANYON RD	5.86	77.0	248	Olympic	$288,365
147	512/21N	WOODLAND AVE OC	6.84	38.0	157	Olympic	$216,579
148	512/21S	WOODLAND AVE OC	6.84	38.0	157	Olympic	$216,832
149	512/23S	FRUITLAND AVE OC	7.22	38.0	157	Olympic	$190,108
150	167/116	SR 167 OC, 15TH ST NW	15.77	82.0	275	Northwest	$91,091
151	167/110	SR 167 OC, 15TH ST SW	13.81	82.0	369	Northwest	$208,632
152	161/102	I-5 OC	34.21	62.0	406	Northwest	$276,172
153	512/15N	WALLER RD 0C	4.35	38.0	160	Olympic	$120,918
154	512/15S	WALLER RD OC	4.35	38.0	160	Olympic	$120,918
155	16/120	SR 16 OC, OLYMPIC I/C	10.74	66.0	207	Olympic	$75,708
156	18/8N	UP RR OC (CMSTPP)	3.49	65.0	284	Northwest	$403,524
157	18/8S	UP RR OC (CMSTPP)	3.49	30.0	280	Northwest	$299,371
158	18/14N	NP RY OC - NORTH	4.95	40.5	212	Northwest	$112,404
159	18/20N	KENT-BLACK DIAMOND RD O	10.31	32.0	202	Northwest	$31,647
160	18/17S	GREEN R (NEELEY BRIDGE)	6.62	29.5	371	Northwest	$72,600

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

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09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
161	18/16S	BNRR OC-SOUTH	6.41	49.5	307	Northwest	$352,176
162	18/24N	SOOS CR	10.87	44.0	119	Northwest	$126,187
163	512/40N	SR 167 OC	11.99	38.0	337	Olympic	$185,620
164	509/105	COUNTY RD OC 1ST AVE S	12.86	32.0	83	Northwest	$82,858
165	7/130	SR 7 OC, 38TH ST	57.45	69.0	512	Olympic	$717,503
166	12/59N	BN RR OC (NP)	20.59	30.0	134	Olympic	$167,387
167	12/59S	BN RR OC (NP)	20.59	30.0	134	Olympic	$157,229
168	512/13	SR 512 OC, PORTLAND AVE	3.71	28.0	131	Olympic	$44,715
169	101/428	MILL CREEK	348.44	40.3	153	Olympic	$96,899
170	18/4	SR 18 OC, MILITARY RD	1.75	26.0	319	Northwest	$437,096
171	12/25	WYNOOCHEE R	8.33	44.0	286	Olympic	$85,800
172	12/31N	SYLVIA CR NP RY OC	9.65	33.0	1,094	Olympic	$629,008
173	12/31S	SYLVIA CR NP RY OC	9.65	33.0	1,106	Olympic	$638,066
174	12/34S	SR 107 OC CMSTPP RR	10.24	33.0	2,008	Olympic	$1,164,515
175	12/34N	SR 107 OC CMSTPP RR	10.24	33.0	1,991	Olympic	$1,150,853
176	3/15	SHERWOOD CR	20.36	26.0	147	Olympic	$269,500
177	101/425	GOLDSBOROUGH CR & RR O	346.51	58.5	338	Olympic	$475,585
178	101/426	MATLOCK RD OC	346.79	40.0	207	Olympic	$140,822
179	101/430E	SKOOKUM CR NP RY OC	353.81	32.5	240	Olympic	$303,815
180	101/430W	SKOOKUM CR NP RY OC	353.81	32.5	240	Olympic	$303,573
181	525/10	BN RR OC (GN)	8.36	47.0	228	Northwest	$40,700
182	167/130	SR 167 OC, S 208TH ST	22.63	26.0	246	Northwest	$223,328
183	167/115	SR 167 OC, W MAIN ST	14.77	44.0	383	Northwest	$278,647
184	105/104	SOUTH BAY - ELK RIVER	32.07	26.0	1,309	Olympic	$579,744
185	18/3	SR 18 OC, 32ND AVE S	0.77	74.3	310	Northwest	$459,289
186	167/117	SR 167 OC 37TH	17.00	44.0	273	Northwest	$91,223
187	105/108	JOHNS R	37.23	26.0	583	Olympic	$473,209
188	116/5	PORTAGE CANAL	2.67	22.0	670	Olympic	$770,484
189	509/103	JOES CREEK	9.93	28.0	264	Northwest	$35,200
190	16/8	SR 16 OC, S25TH ST	0.40	28.0	150	Olympic	
191	512/38	SR 512 OC, BENSTON DR	11.59	30.0	258	Olympic	$117,898
192	529/10W	SNOHOMISH R CS3114	3.85	28.0	2,465	Northwest	$9,327,681
193	5/230	SR 507 MELLEN ST OC	81.67	80.0	94	Southwest	$712,426

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

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194	5/232E	SKOOKUMCHUCK R	82.28	31.0	252	Southwest	$11,000
195	5/232W	SKOOKUMCHUCK R	82.28	31.0	252	Southwest	$11,000
196	5/233	HARRISON AVE OC	82.74	83.0	208	Southwest	$322,817
197	5/234	BLAKESLEE JCT RR OC	83.28	72.7	363	Southwest	$1,000,324
198	5/301	216TH AVE SW OVER I-5	86.34	24.0	357	Olympic	$193,622
199	5/304	I-5 OC, 183RD AVE SW	89.84	24.0	402	Olympic	$436,942
200	5/309	I-5 OC, 113TH AVE SW	97.22	24.0	204	Olympic	$111,326
201	5/613	I-5 OC, MAPLE RD	182.86	26.0	478	Northwest	$490,573
202	5/629A	BROADWAY AVE UC	192.59	17.0	161	Northwest	$299,783
204	5/642	I-5 OC, 23RD ST	194.44	40.0	170	Northwest	$53,614
205	5/645E	SNOHOMISH R BN RR	194.81	48.0	1,622	Northwest	$1,317,844
206	5/645W	SNOHOMISH R BN RR	194.81	48.0	1,588	Northwest	$1,317,844
207	5/707	I-5 OC, BLACKBURN ST	225.64	26.0	194	Northwest	$243,254
208	90/83N	424TH AVE SE OC	31.94	52.0	120	Northwest	$140,547
209	90/83S	424TH AVE SE OC	31.94	52.0	120	Northwest	$138,402
210	90/85N	BN RR OC (CMSTPP) TANNER	33.39	52.0	228	Northwest	$72,919
211	90/85S	BN RR OC (CMSTPP) TANNER	33.39	52.0	228	Northwest	$73,546
212	90/89N	EDGEWICK RD OC	34.63	52.0	178	South Central	$138,039
213	90/89S	EDGEWICK RD OC	34.63	52.0	175	South Central	$137,720
214	90/90N	S FK SNOQUALMIE R LOWER	36.62	52.0	227	South Central	$112,552
215	90/90S	S FK SNOQUALMIE R LOWER	36.62	68.0	207	South Central	$66,435
216	405/64	I-405 OC, NE 160TH ST	22.62	66.0	292	Northwest	$188,381
217	405/73	I-405 OC, 195TH ST	24.48	66.0	252	Northwest	$138,342
218	405/103E	228TH ST OC	26.31	55.7	287	Northwest	$206,234
219	405/103W	228TH ST OC	26.33	65.6	273	Northwest	$191,345
220	526/20	CASINO RD OC	3.74	105.0	234	Northwest	$203,082
221	161/10	SR 161 OVER SR 512	25.67	40.0	278	Olympic	$159,231
222	526/14	HARDESON ROAD OC	2.90	98.0	163	Northwest	$167,382
223	410/31	WHITE R (STUCK R)	8.99	102.0	442	Olympic	$712,547
224	526/10	AIRPORT RD OC	1.43	74.0	162	Northwest	$146,603
225	512/29S	15TH AVE SW OC	9.84	48.9	194	Olympic	$168,597
226	512/29N	15TH AVE SW OC	9.84	52.3	217	Olympic	$245,355
227	512/31S	MERIDIAN ST OC	10.06	38.0	220	Olympic	$163,636

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Priority Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
228	512/31N	MERIDIAN ST OC	10.06	38.0	237	Olympic	$148,676
229	167/30E	W-S RAMP OC	7.05	40.0	234	Olympic	$150,695
230	167/34E	WEST VALLEY HWY OC	7.56	38.0	290	Olympic	$313,291
231	167/32E	VALLEY AVE & UPRR O'XING	7.22	50.5	925	Olympic	$1,374,142
232	2/18	FARM RD OC	11.68	37.1	82	Northwest	$322,179
233	2/17	FRENCH CR	11.41	37.1	82	Northwest	$322,179
234	512/23N	FRUITLAND AVE OC	7.22	38.0	157	Olympic	$213,593
235	2/22	WOODS CR	15.37	26.0	141	Northwest	$277,717
236	9/118	SNOHOMISH R	9.17	29.3	1,111	Northwest	$904,607
237	9/119	2ND ST OC	9.56	30.0	210	Northwest	$153,901
238	162/2	SR 410 OC	0.01	42.0	238	Olympic	$123,761
239	2/26	SULTAN R	22.04	24.0	590	Northwest	$1,033,720
240	101/350	MORSE CR	252.16	78.0	188	Olympic	$149,127
241	18/34	RAGING RIVER	26.30	38.0	292	Northwest	$282,557
242	410/39N	166TH AVE E OC	11.46	38.0	147	Olympic	$97,114
243	522/136	CATHCART RD OC	20.41	30.7	131	Northwest	$163,103
244	522/142	W. Main Street OC	23.14	38.0	282	Northwest	$137,346
245	8/7N	CLOQUALLAM CR	1.10	30.0	168	Olympic	$97,339
246	8/7S	CLOQUALLAM CR	1.10	30.0	168	Olympic	$97,009
247	9/121	72ND STREET SE OC	10.69	30.0	246	Northwest	$258,687
248	12/117	CW RR OC (CMSTPP)	46.52	45.0	137	Olympic	$201,306
249	529/15E	UNION SL	5.12	28.0	633	Northwest	$2,288,370
250	20/209N	ABANDONED RR OC	49.86	38.4	200	Northwest	$177,430
251	532/6	GN RY COUNTY RD OC	4.98	26.0	699	Northwest	$568,178
252	522/144	179TH AVE SE OC	24.14	38.0	346	Northwest	$160,490
253	522/150	US 2 & BN RR OC	24.65	38.0	351	Northwest	$383,521
254	203/106	SKYKOMISH R	23.20	28.0	582	Northwest	$46,200
255	12/118	US12 OVER I-5	46.57	45.0	255	Olympic	$354,151
256	526/12S-E	S-E RAMP, SR 526 0C	1.98	39.0	246	Northwest	$134,453
257	169/12	BN RR OC (NP)	10.41	40.0	153	Northwest	$352,831
258	522/28S	NORTH CR	10.85	37.8	140	Northwest	$91,586
259	522/28N	NORTH CR	10.85	55.5	140	Northwest	$89,722
260	12/60S	US 12 OC	21.34	30.0	144	Olympic	$142,780

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Priority Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
261	530/115	I-5 OC	16.95	50.0	279	Northwest	$182,903
262	9/130	BN RR (NP) & SSH 1-E OC	28.88	34.0	344	Northwest	$265,106
263	18/31N	HOLDER CR HOBART RD OC	20.34	40.3	304	Northwest	$206,525
264	203/33	CHERRY CR	17.22	36.0	101	Northwest	$374,693
265	410/32	SR 410 OC, LINDEN DR	9.32	28.0	218	Olympic	$88,391
266	512/25	9TH ST SW OVER SR 512	8.37	64.0	284	Olympic	$158,147
267	12/60N	US 12 OC	21.34	30.0	144	Olympic	$142,824
268	202/60	SNOQUALMIE R	26.00	24.0	444	Northwest	$105,600
269	534/1	I-5 OC	0.00	59.0	240	Northwest	$131,280
270	121/15	I-5 OC, SR 121	7.63	28.0	204	Olympic	$134,431
271	104/1	S-E RAMP, US 101 OC	0.02	30.0	263	Olympic	$246,367
272	510/9	BN RR OC (NP)	6.48	32.0	191	Olympic	$34,056
273	510/10	BN RR OC (NP)	6.63	32.0	189	Olympic	$61,276
274	7/113	S. FORK MUCK CR	36.92	36.0	60	Olympic	$182,441
275	7/105	MASHEL R	27.91	24.0	195	Olympic	$36,300
276	101/310	SOL DUC R	194.30	26.0	262	Olympic	$63,800
277	101/312	LAKE CR	198.49	26.0	132	Olympic	$148,748
278	112/20	CLALLAM R	19.00	26.0	128	Olympic	$120,291
279	117/1	US 101 OC, SR 117	0.00	19.0	128	Olympic	$144,579
280	7/25	NISQUALLY R	16.74	28.0	247	Southwest	$22,000
281	512/33	SR 512 UC 7TH	10.86	44.0	276	Olympic	$245,636
282	529/8E	WALNUT ST OC	4.93	44.0	64	Northwest	$83,782
283	529/8W	WALNUT ST OC	4.93	44.0	64	Northwest	$82,489
284	101/316	SOL DUC RIVER	203.66	24.0	248	Olympic	$63,800
285	101/314	SOL DUC RIVER #2	203.15	24.0	317	Olympic	$246,554
286	507/116	WEYERHAEUSER RR OC	21.18	36.0	159	Olympic	$80,322
287	101/322	SOL DUC RIVER #5	212.46	24.0	336	Olympic	$263,010
288	101/320	SOL DUC R	211.55	24.0	306	Olympic	$346,935
289	401/10	NASELLE R	11.37	26.0	222	Southwest	$375,293
290	507/102	SKOOKUMCHUCK RIVER BR	6.10	32.0	180	Olympic	$53,570
291	6/13	WILLAPA R	14.02	26.2	142	Southwest	$170,478
292	18/26	SR 18 OC, SE 231ST ST	15.73	76.0	274	Northwest	$195,085
294	90/94	I-90 OC, TINKHAM RD	42.32	26.0	358	South Central	$130,818

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Priority Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
295	90/95.8	I-90 OC HANSEN CR RD	47.73	26.0	263	South Central	$70,802
298	5/203E	COWLITZ R	59.06	33.0	760	Southwest	$427,801
299	5/203W	COWLITZ R	59.06	31.9	760	Southwest	$427,801
300	5/206	LACAMAS CR	61.31	84.8	217	Southwest	$587,384
301	5/216E	NEWAUKUM R	72.23	36.4	284	Southwest	$49,500
302	5/216W	NEWAUKUM R	72.23	36.4	284	Southwest	$49,500
303	5/221	NP RY O'XING	77.12	81.0	537	Southwest	$1,886,033
304	5/222	CM&E RR OC (CW)	77.51	80.3	199	Southwest	$305,415
305	5/225	I-5 OC (WEST ST)	78.40	26.0	164	Southwest	$209,039
306	5/227	I-5 OC, CHAMBER WAY	79.08	26.0	185	Southwest	$176,000
307	5/228	SALZER CR	80.21	81.0	140	Southwest	$62,150
308	5/708	SR 536 OC KINCAID ST	226.39	80.0	146	Northwest	$331,887
309	5/710	GN RY OC	226.99	81.0	467	Northwest	$2,847,125
310	5/711	SR 538 OC	227.73	78.5	124	Northwest	$252,296
311	5/712	SKAGIT R	228.25	56.0	1,112	Northwest	$1,348,391
312	5/714	SR 20 & BN RY OC	230.14	116.3	244	Northwest	$824,527
313	5/722	I-5 OC, BOW HILL RD	236.39	26.0	265	Northwest	$164,060
314	5/724E	COLONY RD OC	240.02	32.0	258	Northwest	$155,513
315	5/724W	COLONY RD OC	240.02	32.0	273	Northwest	$156,514
316	5/725	I-5 OC, ALGER RD	240.93	26.0	344	Northwest	$206,756
317	5/801E	NULLE RD OC	242.86	38.8	149	Northwest	$204,100
318	5/801W	NULLE RD OC	242.86	38.9	141	Northwest	$193,490
319	5/803	I-5 OC, LAKE SAMISH RD	246.24	26.0	270	Northwest	$286,770
320	5/806E	SR 11 (CONNELLY AVE)	250.73	33.0	169	Northwest	$151,470
321	5/806W	SR 11 (CONNELLY AVE)	250.73	32.8	169	Northwest	$152,653
322	5/810W	MEADOR AVE OC	253.53	43.5	226	Northwest	$134,739
323	5/812	IOWA ST OC	253.79	88.0	138	Northwest	$329,890
324	5/813	KENTUCKY ST OC	253.88	91.5	130	Northwest	$411,708
325	5/822W	SR 539 OC MERIDIAN ST	256.21	43.5	171	Northwest	$43,863
326	5/824E	NORTHWEST AVE OC	256.98	31.5	154	Northwest	$104,638
327	5/824W	NORTHWEST AVE OC	256.98	31.5	154	Northwest	$109,010
328	5/825.2	I-5 OC, SLATER RD	260.13	40.0	320	Northwest	$194,178
329	5/826	I-5 OC, SMITH RD	261.51	40.0	369	Northwest	$211,272

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Priority Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
330	5/827	I-5 OC, MAIN ST	262.57	29.0	265	Northwest	$110,710
331	5/828W	NOOKSACK R	263.05	38.0	897	Northwest	
332	5/829E	N FERNDALE OC	263.46	38.0	133	Northwest	$201,636
333	5/829W	N FERNDALE OC	263.46	48.0	133	Northwest	$258,786
334	5/830	I-5 OC, PORTAL WAY	265.21	28.0	319	Northwest	$229,389
335	5/833	I-5 OC, CUSTER	268.93	26.0	270	Northwest	$219,472
336	5/834	I-5 OC, BIRCH BAY	270.24	26.0	272	Northwest	$270,947
337	5/835	I-5 OC, LOOMIS	271.60	26.0	238	Northwest	$278,834
338	5/836E	DAKOTA CR	273.86	31.0	393	Northwest	$580,261
339	5/836W	DAKOTA CR	273.86	31.0	393	Northwest	$580,261
340	5/837N-W	N-W RAMP	274.17	20.0	245	Northwest	$140,756
341	5/838	I-5 OC, HUGHES AVE	274.52	26.0	288	Northwest	$248,716
342	5/840	I-5 OC, MITCHEL ST	275.54	26.0	303	Northwest	$168,949
343	5/841	I-5 OC, H ST	275.81	26.0	284	Northwest	$207,081
344	5/842E	SR 548 OC	276.20	49.2	158	Northwest	$76,373
345	5/842W	SR 548 OC	276.20	30.0	163	Northwest	$95,502
346	90/96.5N	DENNY CRK RD O-XING	47.96	52.0	244	South Central	$194,453
347	90/96S	S FK SNOQUALMIE R	47.95	76.9	214	South Central	$184,283
348	90/97.8N	FRANKLIN FALLS BR	51.12	52.0	700	South Central	$38,500
349	90/98.6N	UPPER SNOQUALMIE R BR	51.83	64.0	394	South Central	$581,515
350	90/99	SR 906 W-W RAMP OC	52.24	138.0	206	South Central	$273,059
351	90/101	ACCESS RD OC	52.95	126.0	195	South Central	$406,225
352	90/104	SR 906 0C	54.69	151.3	182	South Central	$270,699
353	90/106S	GOLD CR	55.49	38.0	126	South Central	$298,298
354	536/15	SKAGIT R CS2907	4.72	28.0	675	Northwest	$427,972
355	20/209S	ABANDONED RR OC	49.86	38.4	200	Northwest	$165,275
356	11/1	I-5 OC	0.00	31.5	287	Northwest	$214,148
357	9/215	SKAGIT R	54.38	28.0	972	Northwest	$147,087
358	548/1	I-5 OC	0.00	26.0	263	Northwest	$284,647
359	504/1	I-5 OC	0.00	56.0	290	Southwest	$80,498
360	122/10	MOSSYROCK	6.56	24.0	305	Southwest	$417,027
361	12/221	I-5 OC	66.54	28.5	205	Southwest	$166,188
362	543/1	I-5 OC, SR 543	0.00	23.0	252	Northwest	$135,256

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Priority Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
363	6/118	CHEHALIS R ADNA	46.59	40.0	406	Southwest	$55,000
364	2/119	S FORK SKYKOMISH RIVER	51.02	24.0	260	Northwest	$390,280
365	12/265	COWLITZ R CORA	122.76	26.0	554	Southwest	$358,160
366	530/128	N FK STILLAGUAMISH R OSO	33.86	26.0	300	Northwest	$30,250
367	12/245	LAKE CR	96.88	36.5	130	Southwest	$118,008
368	7/9	CW RR OC(CMSTPP)LINDBER	2.47	24.0	251	Southwest	$646,140
369	530/132	BOULDER CR	40.13	32.0	165	Northwest	$55,666
370	505/125	I-5 OC	2.94	26.0	207	Southwest	$312,802
371	410/123	SLIPPERY CR	42.49	38.0	78	Northwest	$77,754
372	12/282	CLEAR FORK CR	138.06	44.0	415	Southwest	$830,610
373	122/5	TILTON	3.57	24.0	1,114	Southwest	$814,000
374	4/125	ELOCHOMAN RIVER	33.71	26.0	165	Southwest	$11,000
375	9/315	N FK NOOKSACK R U S	78.87	26.0	410	Northwest	$99,000
376	12/280	PURCELL CREEK	137.19	40.0	162	Southwest	$89,964
377	409/5	BIRNIE SL	1.78	26.0	193	Southwest	$82,500
378	4/110	GRAYS R	19.30	24.0	283	Southwest	$11,000
379	6/20	BN RR OC (NP)	19.90	26.0	143	Southwest	$261,800
380	506/108	I-5 OC	11.50	26.0	177	Southwest	$158,059
381	506/102	STILLWATER CR	4.69	26.0	200	Southwest	$233,382
382	505/102	SALMON CR	16.40	26.0	156	Southwest	$251,774
383	508/32	TILTON R	32.25	24.0	201	Southwest	$160,094
384	506/2	CAMPBELL CR	0.90	26.0	76	Southwest	$72,188
385	90/140S	YAKIMA R	86.20	30.0	390	South Central	$134,129
386	90/140N	YAKIMA R	86.20	30.0	390	South Central	$135,262
387	90/136N	I-90 OVR CLE ELUM RD, BN	83.53	30.0	425	South Central	$238,640
388	90/136S	I-90 OVR CLE ELUM RD, BN	83.53	30.0	425	South Central	$245,020
389	90/154N	YAKIMA R	102.49	30.0	595	South Central	$337,090
390	90/154S	YAKIMA R	102.49	30.0	595	South Central	$335,258
391	90/156N	DRY CR	104.71	30.0	390	South Central	$267,460
392	90/156S	DRY CR	104.71	30.0	390	South Central	$266,888
393	90/119	WEST EASTON RD OVER I-90	70.28	34.0	206	South Central	$85,344
394	90/135E-N	E-N RAMP I-90 OC	83.12	21.0	285	South Central	$99,627
395	90/167	I-90 OC, RD #6	111.46	27.5	230	South Central	$34,408

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Priority Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
396	90/172	I-90 OC, MUNDY RD	117.82	27.5	230	South Central	$34,452
397	82/120N	OVERFLOW CHANNEL	31.99	32.0	160	South Central	$93,126
398	82/120S	OVERFLOW CHANNEL	31.99	32.0	160	South Central	$93,126
399	82/121N	NP RY OC MOXEE	32.47	28.0	213	South Central	$151,261
400	82/121S	NP RY OC MOXEE	32.47	28.0	213	South Central	$151,261
401	82/117S	N 1ST ST N-W RAMP OC	31.36	31.0	163	South Central	$59,411
402	2/228N	WENATCHEE R	107.03	31.5	445	North Central	$218,515
403	2/228S	WENATCHEE R	107.03	31.5	445	North Central	$235,032
404	28/12	DOUGLAS CR	15.78	31.2	300	North Central	$157,058
405	97/508	METHOW R	253.49	26.0	468	North Central	$445,330
406	12/331N	BN RY (ABAND) & RAMP OC	199.95	38.0	446	South Central	$221,766
407	12/331S	W-W RAMP OC	199.95	38.0	397	South Central	$244,470
408	20/259	BAKER R	89.35	40.0	563	Northwest	$290,114
409	82/122N-W	82N RAMP OVR I-82	33.24	24.0	366	South Central	$335,363
410	82/123N-W	82N RAMP OVR TERRACE HT	33.24	21.0	175	South Central	$115,874
411	2/233A	WENATCHEE R DIVISION ST	111.09	26.0	317	North Central	$83,908
412	82/1N	I-82 OVER I-90	0.00	38.0	309	South Central	$265,034
413	82/1S	I-82 OVER I-90	0.00	26.0	309	South Central	$121,006
414	20/280	BACON CR	110.75	40.5	237	Northwest	$93,005
415	20/609	EARLY WINTERS CR	175.98	32.0	220	North Central	$110,231
416	82/2S	W-E RAMP, E-E RAMP OC	0.00	26.0	308	South Central	$65,412
417	5/28E	SR 502 OC KOZY KAMP	9.51	54.0	124	Southwest	$127,958
418	5/28W	SR 502 OC	9.51	52.0	124	Southwest	$131,731
419	5/29	NE 199TH ST OVER I-5	10.53	26.0	274	Southwest	$202,065
420	5/31	I-5 OC, CARTY RD	12.56	26.0	276	Southwest	$110,715
421	5/33	NW LA CENTER RD OVER I-5	16.80	26.0	313	Southwest	$140,388
422	5/36W	E FK LEWIS R	18.21	48.0	881	Southwest	$897,507
424	5/40W	LEWIS R	19.83	48.0	1,310	Southwest	$1,400,768
425	5/102E	SR 503 OC	21.08	45.0	168	Southwest	$147,890
426	5/102W	SR 503 OC	21.08	45.0	168	Southwest	$144,656
427	5/104W	DIKE ACCESS RD & RR OC	22.72	52.0	675	Southwest	$11,000
428	5/105W	BN RR OC (NP)	26.01	52.0	384	Southwest	$150,656
429	5/107W	TODD RD OC	27.70	52.0	165	Southwest	$119,812

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Priority Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
430	5/110	I-5 OC, OAK STREET	30.65	28.0	232	Southwest	$158,026
431	5/113	I-5 OC, KALAMA R RD	32.28	38.0	292	Southwest	$36,284
432	5/127E	C&C RY & COUNTY RD OC	42.02	52.0	350	Southwest	$217,267
433	5/127W	C&C RY & COUNTY RD OC	42.02	52.0	298	Southwest	$232,903
434	5/128	I-5 OC, ROCKY PT	42.66	40.0	312	Southwest	$135,212
435	5/129	I-5 OC, PLEASANT HILL RD	43.20	34.5	319	Southwest	$135,515
436	5/131	I-5 OC, HQ RD	46.13	34.5	407	Southwest	$184,113
437	5/133E	HUNTINGTON AVE OC	47.97	52.0	180	Southwest	$126,456
438	5/133W	HUNTINGTON AVE OC	47.97	52.0	197	Southwest	$136,510
439	5/134	I-5 OC, POWELL	49.17	26.2	360	Southwest	$195,767
440	90/113	STAMPEDE RD OVER I-90	62.97	28.0	151	South Central	$135,691
441	90/114	CABIN CR RD OVER I-90	63.98	28.5	248	South Central	$254,914
442	90/118N	KACHESS R	69.49	38.0	150	South Central	$65,302
443	90/120N	YAKIMA R	71.26	39.3	317	South Central	$242,583
444	90/120S	YAKIMA R	71.26	37.7	317	South Central	$252,126
445	90/121	EAST EASTON UC	71.56	28.0	250	South Central	$275,556
446	90/124N	LAKE VALLEY RD OC	74.05	38.0	104	South Central	$197,549
447	90/124S	LAKE VALLEY RD OC	74.05	38.0	104	South Central	$198,864
448	90/130N	NELSON RD OC	78.06	38.0	104	South Central	$180,395
449	90/130S	NELSON RD OC	78.06	38.0	104	South Central	$183,970
450	90/133	I-90 OC, BULLFROG RD	80.31	26.0	234	South Central	$180,054
451	90/134N	CLE ELUM R	80.79	31.0	297	South Central	$63,800
452	90/134S	CLE ELUM R	80.79	28.2	297	South Central	$63,800
453	90/137	I-90 OC, OAKES AVE	84.20	26.0	225	South Central	$182,815
454	90/141N	PEOH RD OC	86.63	30.0	375	South Central	$241,736
455	90/141S	PEOH RD OC	86.63	30.0	375	South Central	$247,649
456	90/144	I-90 OC THORP	89.77	24.0	271	South Central	$203,379
457	90/147	I-90 OC, ELK HT	93.62	24.0	266	South Central	$128,002
458	411/10	HUNTINGTON AVE.NO.	13.26	28.0	147	Southwest	$39,600
459	20/262	JACKMAN CR	91.03	26.0	203	Northwest	$295,323
460	4/230	COWLITZ R-P CRAWFORD BR	61.08	56.0	1,710	Southwest	$3,996,955
461	432/8S	3RD AVE OC	7.62	43.0	299	Southwest	$297,314
462	432/12	SR 432 OC I-5	10.29	57.0	280	Southwest	$246,895

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Priority Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
463	12/289	GULCH	144.89	26.0	221	Southwest	$294,949
464	432/10N	HARRY MORGAN BRIDGE	9.58	38.0	1,729	Southwest	$1,167,172
465	432/10S	COWLITZ R & NP RY OC	9.58	29.5	1,676	Southwest	$1,294,502
466	14/12	SR 14 OC, LIESER RD	4.35	44.0	208	Southwest	$48,296
467	205/44	I-205 OC, NE 134TH ST	36.75	59.0	398	Southwest	$284,169
468	205/46	I-205 OC, NE 20TH AVE	36.90	76.5	391	Southwest	$279,158
469	501/24	I-5 OC	19.84	28.0	249	Southwest	$163,273
470	205/42E	SALMON CR & AVE OC	36.00	38.0	294	Southwest	$107,470
471	205/42W	SALMON CR & AVE OC	36.00	38.0	288	Southwest	$99,825
472	14/13	SR 14 OC, ELLSWORTH RD	5.57	44.0	202	Southwest	$59,043
473	205/40	I-205 OC, NE 119TH ST	35.65	44.0	384	Southwest	$194,970
474	205/38	I-205 OC, NE 50TH AVE	34.82	44.0	248	Southwest	$99,468
475	205/36E	ST JOHNS RD OC	34.29	38.0	212	Southwest	$94,232
476	205/36W	ST JOHNS RD OC	34.29	38.0	212	Southwest	$89,342
477	205/34E	LP & N RY OC	34.00	38.0	237	Southwest	$133,359
478	205/34W	LP & N RY	34.00	38.0	232	Southwest	$134,156
479	205/32	I-205 OC, NE ANDRESEN RD	33.52	84.0	260	Southwest	$153,428
480	205/10	I-205 OC, NE 9TH ST	28.83	44.0	351	Southwest	$190,025
481	205/30N	PADDEN PKWY OVER I-205	33.04	46.0	448	Southwest	$174,856
482	205/30S	I-205 OC, NE 83RD ST	33.04	38.0	448	Southwest	$119,070
483	205/14	I-205 OC, NE 18TH ST	29.34	46.0	276	Southwest	$103,109
484	205/28	I-205 OC, NE 78TH ST	32.61	44.0	429	Southwest	$384,615
485	205/24	I-205 OC, NE 63RD ST	31.79	44.0	258	Southwest	$137,390
486	205/16E	BURTON RD OC	29.79	52.0	171	Southwest	$92,835
487	205/16W	BURTON RD OC	29.79	52.0	171	Southwest	$93,396
488	2/126	TYE RIVER 2ND X-ING	58.19	48.0	220	North Central	$241,318
489	205/20	I-205 OC, 4TH PLAIN BLVD	31.11	67.0	483	Southwest	$460,427
490	500/5	SR 500 OC, 4TH PLAIN RD	4.44	67.0	318	Southwest	$387,596
491	500/6	I-205 OC	4.77	114.0	408	Southwest	$274,780
492	542/34	N FK NOOKSACK R	35.32	26.0	195	Northwest	$129,872
493	503/112	JIM CR	39.55	24.0	308	Southwest	$186,445
494	20/268	SWIFT CR	99.67	26.0	80	Northwest	$78,705
495	2/127	TYE R 1ST CROSSING	58.77	50.4	122	North Central	$220,270

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Priority Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
496	2/130N	TUNNEL CREEK	60.31	25.5	190	North Central	$229,323
497	14/23S-E	SR 14 OC, NE 6TH AVE	12.32	26.0	235	Southwest	$128,332
498	14/25	WEST CAMAS SL	12.62	30.0	1,038	Southwest	$868,835
499	12/304	N FK CLEAR CR	153.44	26.0	114	Southwest	$202,516
500	14/30	27TH ST & BN RY OC	16.73	42.0	224	Southwest	$190,267
501	542/46	GALENA CR UPPER X-ING	53.65	29.3	107	Northwest	$249,695
502	14/35	BN RR OC	18.77	40.0	382	Southwest	$220,864
503	970/5	NP RY OC	0.29	36.5	145	South Central	$160,936
504	970/1	SR 970 OVER I-90	0.00	28.0	229	South Central	$180,527
505	20/338	GORGE LAKE	126.12	26.5	460	Northwest	$333,179
506	14/115	BN OC	40.48	44.0	319	Southwest	$227,172

Total Number of Bridges = 506

Total of Bridge Item$ = $195,088,371

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Bridge Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
233	2/17	FRENCH CR	11.41	37.1	82	Northwest	$322,179
232	2/18	FARM RD OC	11.68	37.1	82	Northwest	$322,179
235	2/22	WOODS CR	15.37	26.0	141	Northwest	$277,717
239	2/26	SULTAN R	22.04	24.0	590	Northwest	$1,033,720
364	2/119	S FORK SKYKOMISH RIVER	51.02	24.0	260	Northwest	$390,280
488	2/126	TYE RIVER 2ND X-ING	58.19	48.0	220	North Central	$241,318
495	2/127	TYE R 1ST CROSSING	58.77	50.4	122	North Central	$220,270
496	2/130N	TUNNEL CREEK	60.31	25.5	190	North Central	$229,323
402	2/228N	WENATCHEE R	107.03	31.5	445	North Central	$218,515
403	2/228S	WENATCHEE R	107.03	31.5	445	North Central	$235,032
411	2/233A	WENATCHEE R DIVISION ST	111.09	26.0	317	North Central	$83,908
176	3/15	SHERWOOD CR	20.36	26.0	147	Olympic	$269,500
378	4/110	GRAYS R	19.30	24.0	283	Southwest	$11,000
374	4/125	ELOCHOMAN RIVER	33.71	26.0	165	Southwest	$11,000
460	4/230	COWLITZ R-P CRAWFORD BR	61.08	56.0	1,710	Southwest	$3,996,955
417	5/28E	SR 502 OC KOZY KAMP	9.51	54.0	124	Southwest	$127,958
418	5/28W	SR 502 OC	9.51	52.0	124	Southwest	$131,731
419	5/29	NE 199TH ST OVER I-5	10.53	26.0	274	Southwest	$202,065
420	5/31	I-5 OC, CARTY RD	12.56	26.0	276	Southwest	$110,715
421	5/33	NW LA CENTER RD OVER I-5	16.80	26.0	313	Southwest	$140,388
422	5/36W	E FK LEWIS R	18.21	48.0	881	Southwest	$897,507
424	5/40W	LEWIS R	19.83	48.0	1,310	Southwest	$1,400,768
425	5/102E	SR 503 OC	21.08	45.0	168	Southwest	$147,890
426	5/102W	SR 503 OC	21.08	45.0	168	Southwest	$144,656
427	5/104W	DIKE ACCESS RD & RR OC	22.72	52.0	675	Southwest	$11,000
428	5/105W	BN RR OC (NP)	26.01	52.0	384	Southwest	$150,656
429	5/107W	TODD RD OC	27.70	52.0	165	Southwest	$119,812
430	5/110	I-5 OC, OAK STREET	30.65	28.0	232	Southwest	$158,026
431	5/113	I-5 OC, KALAMA R RD	32.28	38.0	292	Southwest	$36,284
432	5/127E	C&C RY & COUNTY RD OC	42.02	52.0	350	Southwest	$217,267
433	5/127W	C&C RY & COUNTY RD OC	42.02	52.0	298	Southwest	$232,903
434	5/128	I-5 OC, ROCKY PT	42.66	40.0	312	Southwest	$135,212
435	5/129	I-5 OC, PLEASANT HILL RD	43.20	34.5	319	Southwest	$135,515

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Bridge Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
436	5/131	I-5 OC, HQ RD	46.13	34.5	407	Southwest	$184,113
437	5/133E	HUNTINGTON AVE OC	47.97	52.0	180	Southwest	$126,456
438	5/133W	HUNTINGTON AVE OC	47.97	52.0	197	Southwest	$136,510
439	5/134	I-5 OC, POWELL	49.17	26.2	360	Southwest	$195,767
298	5/203E	COWLITZ R	59.06	33.0	760	Southwest	$427,801
299	5/203W	COWLITZ R	59.06	31.9	760	Southwest	$427,801
300	5/206	LACAMAS CR	61.31	84.8	217	Southwest	$587,384
301	5/216E	NEWAUKUM R	72.23	36.4	284	Southwest	$49,500
302	5/216W	NEWAUKUM R	72.23	36.4	284	Southwest	$49,500
303	5/221	NP RY O'XING	77.12	81.0	537	Southwest	$1,886,033
304	5/222	CM&E RR OC (CW)	77.51	80.3	199	Southwest	$305,415
305	5/225	I-5 OC (WEST ST)	78.40	26.0	164	Southwest	$209,039
306	5/227	I-5 OC, CHAMBER WAY	79.08	26.0	185	Southwest	$176,000
307	5/228	SALZER CR	80.21	81.0	140	Southwest	$62,150
193	5/230	SR 507 MELLEN ST OC	81.67	80.0	94	Southwest	$712,426
194	5/232E	SKOOKUMCHUCK R	82.28	31.0	252	Southwest	$11,000
195	5/232W	SKOOKUMCHUCK R	82.28	31.0	252	Southwest	$11,000
196	5/233	HARRISON AVE OC	82.74	83.0	208	Southwest	$322,817
197	5/234	BLAKESLEE JCT RR OC	83.28	72.7	363	Southwest	$1,000,324
198	5/301	216TH AVE SW OVER I-5	86.34	24.0	357	Olympic	$193,622
199	5/304	I-5 OC, 183RD AVE SW	89.84	24.0	402	Olympic	$436,942
200	5/309	I-5 OC, 113TH AVE SW	97.22	24.0	204	Olympic	$111,326
9	5/433	S-N RAMP OC	132.26	118.0	195	Olympic	$503,000
8	5/437	S M ST OC	132.84	158.3	232	Olympic	$379,000
25	5/445W	SR7&CW RR OC (CMSTP&P)	133.71	56.0	817	Olympic	$1,518,000
18	5/452E	PORTLAND AVE OC	134.87	57.0	216	Olympic	$367,000
19	5/452W	PORTLAND AVE OC	134.87	72.0	216	Olympic	$427,000
6	5/453	SR 167 E-N RAMP OC	135.17	143.3	121	Olympic	$614,000
7	5/455	EAST T ST SEWER OC	135.17	120.0	150	Olympic	$526,000
50	5/463	I-5 OC, PORTER WAY	139.06	26.0	615	Olympic	$184,000
51	5/501	I-5 OC, S 375TH	140.15	26.0	301	Northwest	$287,271
52	5/503E	SR 18 OC	142.00	71.0	206	Northwest	$900,000
53	5/503W	SR 18 OC	142.00	71.0	213	Northwest	$900,000

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Bridge Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
39	5/504E	S 336TH ST OC	142.79	55.0	198	Northwest	$178,000
40	5/504W	S 336TH ST OC	142.79	55.0	156	Northwest	$146,000
43	5/505	I-5 OC, S320TH	143.83	73.0	332	Northwest	$410,000
28	5/506E	MILITARY RD OC	144.65	73.4	199	Northwest	$190,000
29	5/506W	MILITARY RD OC	144.65	78.7	199	Northwest	$183,000
30	5/507E	S 288TH ST OC	145.79	75.0	157	Northwest	$264,000
31	5/507W	S 288TH ST OC	145.79	78.7	157	Northwest	$246,000
33	5/508E	MILITARY RD OC	146.44	70.0	243	Northwest	$434,000
34	5/508W	MILITARY RD OC	146.43	95.8	243	Northwest	$608,000
35	5/509E	S 272ND ST OC	146.81	73.6	151	Northwest	$248,000
36	5/509W	S 272ND ST OC	146.81	88.5	151	Northwest	$243,000
37	5/510E	S 260TH ST OC	147.64	63.0	162	Northwest	$153,000
38	5/510W	S 260TH ST OC	147.64	78.7	162	Northwest	$111,000
32	5/511E	SR 516 OC	149.17	84.0	269	Northwest	$455,000
47	5/513	I-5 OC, S 216TH	150.33	28.0	290	Northwest	$247,000
26	5/516E	ORILLA RD OC	152.26	77.4	195	Northwest	$304,000
27	5/516W	ORILLA RD OC-SO188TH ST	152.26	92.0	230	Northwest	$388,000
45	5/517A	S-W RAMP OC	152.48	34.0	227	Northwest	$228,000
46	5/518	I-5 OC, S 178TH ST	153.15	26.0	322	Northwest	$207,000
15	5/520W	KLICKITAT DR OC	154.13	80.0	163	Northwest	$220,000
16	5/521E	E-N S-N RAMPS OC	154.52	68.0	217	Northwest	$285,000
17	5/521W	E-N RAMP OC	154.52	78.0	146	Northwest	$186,000
44	5/528	I-5 OC, S 107TH ST	158.01	82.0	337	Northwest	$495,000
11	5/531E	MILITARY RD OC	159.67	80.0	161	Northwest	$235,000
12	5/531W	MILITARY RD OC	159.67	79.2	149	Northwest	$215,000
54	5/532.1	N-SWIFT RAMP	161.27	32.0	391	Northwest	$299,442
55	5/533.5W	N-W RAMP OC	161.27	76.7	469	Northwest	$1,024,111
56	5/534A	N-W RAMP AIRPORT W. OC	161.27	43.0	636	Northwest	$870,843
13	5/534E	LUCILE ST OC	161.27	89.8	172	Northwest	$470,000
14	5/534W	LUCILE ST OC	161.27	76.2	190	Northwest	$441,000
10	5/535W	SB VIADUCT STA 2032	162.24	70.0	604	Northwest	$1,638,000
20	5/536E	NB VIADUCT STA 2064	162.98	55.8	746	Northwest	$742,000
57	5/536N-W	NB I5 to WB W SEA FRWY	162.98	21.0	1,722	Northwest	$423,924

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Bridge Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
21	5/536W	SB VIADUCT STA 2064	162.98	50.7	746	Northwest	$965,000
58	5/537E-S	E-S RAMP BR	162.99	21.0	1,206	Northwest	$213,131
41	5/537N	S-E RAMP WB LANES	162.99	28.0	2,885	Northwest	$1,273,000
42	5/537S	EB LANES I-5 OC	163.00	28.0	1,793	Northwest	$919,000
59	5/537W-W	W-6TH RAMP BR	163.00	21.0	398	Northwest	$97,895
22	5/538E	NB VIADUCT STA 2075	162.98	57.7	872	Northwest	$1,438,000
23	5/539E	NB VIADUCT STA 2085	163.24	70.0	5,825	Northwest	$8,585,000
60	5/539NCD	NBCD RAMP BR	164.41	33.7	151	Northwest	$70,730
61	5/539SCD	SBCD VIADUCT STA 2133	164.41	50.0	729	Northwest	$1,070,091
24	5/539W	SB VIADUCT STA 2075	162.98	68.0	6,622	Northwest	$9,795,000
62	5/542E	DEARBORN ST OC	164.41	61.0	219	Northwest	$121,787
63	5/542NCD	NBCD DEARBORN ST OC	164.41	36.1	216	Northwest	$153,527
64	5/542SCD	SBCD DEARBORN ST OC	164.41	60.0	216	Northwest	$221,529
65	5/542W	DEARBORN ST OC	164.41	55.8	219	Northwest	$108,746
66	5/543E	KING-JACKSON ST OC	164.41	58.8	706	Northwest	$384,214
67	5/543NCD	NBCD KING JACKSON ST OC	164.41	48.0	709	Northwest	$453,195
68	5/543SCD	SBCD KING JACKSON ST OC	164.41	60.0	709	Northwest	$512,105
69	5/543W	KING-JACKSON ST OC	164.41	55.8	712	Northwest	$372,961
70	5/544	I-5 OC, YESLER ST	165.69	42.0	391	Northwest	$678,513
71	5/545E	NB VIADUCT STA 2195	165.69	43.9	4,714	Northwest	$4,311,269
72	5/545SCD	SBCD VIADUCT STA 2195	165.71	44.9	806	Northwest	$559,460
73	5/545W	SB VIADUCT STA 2195	165.69	39.0	807	Northwest	$398,646
74	5/546	I-5 OC, MADISON ST	165.69	50.0	280	Northwest	$485,546
75	5/547	I-5 OC, SPRING ST	165.69	36.0	279	Northwest	$612,150
76	5/548	I-5 OC, SENECA ST	165.69	36.0	250	Northwest	$616,594
77	5/549	I-5 UC, 8TH AVE	165.69	28.0	859	Northwest	$218,609
78	5/550	I-5 OC, PIKE ST	166.06	48.0	282	Northwest	$723,195
79	5/551	I-5 OC, PINE ST-BOREN	166.06	48.0	825	Northwest	$1,326,650
80	5/562E	NB LANES VIADUCT	166.98	66.0	381	Northwest	$187,798
81	5/566W	DENNY WAY-LAKEVIEW V	166.98	60.0	7,077	Northwest	$12,064,641
5	5/570	LAKE WASH SHIP CANAL	169.63	174.0	4,429	Northwest	$2,480,000
82	5/588E	NORTHGATE WAY OC	172.76	72.0	166	Northwest	$421,702
83	5/588SCD	SBCD NORTHGATE WAY OC	172.76	21.0	166	Northwest	$200,767

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Bridge Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
84	5/588W	NORTHGATE WAY OC	172.76	72.0	166	Northwest	$376,272
85	5/596	I-5 OC, NE 185TH ST	176.72	46.0	249	Northwest	$372,444
201	5/613	I-5 OC, MAPLE RD	182.86	26.0	478	Northwest	$490,573
202	5/629A	BROADWAY AVE UC	192.59	17.0	161	Northwest	$299,783
204	5/642	I-5 OC, 23RD ST	194.44	40.0	170	Northwest	$53,614
205	5/645E	SNOHOMISH R BN RR	194.81	48.0	1,622	Northwest	$1,317,844
206	5/645W	SNOHOMISH R BN RR	194.81	48.0	1,588	Northwest	$1,317,844
207	5/707	I-5 OC, BLACKBURN ST	225.64	26.0	194	Northwest	$243,254
308	5/708	SR 536 OC KINCAID ST	226.39	80.0	146	Northwest	$331,887
309	5/710	GN RY OC	226.99	81.0	467	Northwest	$2,847,125
310	5/711	SR 538 OC	227.73	78.5	124	Northwest	$252,296
311	5/712	SKAGIT R	228.25	56.0	1,112	Northwest	$1,348,391
312	5/714	SR 20 & BN RY OC	230.14	116.3	244	Northwest	$824,527
313	5/722	I-5 OC, BOW HILL RD	236.39	26.0	265	Northwest	$164,060
314	5/724E	COLONY RD OC	240.02	32.0	258	Northwest	$155,513
315	5/724W	COLONY RD OC	240.02	32.0	273	Northwest	$156,514
316	5/725	I-5 OC, ALGER RD	240.93	26.0	344	Northwest	$206,756
317	5/801E	NULLE RD OC	242.86	38.8	149	Northwest	$204,100
318	5/801W	NULLE RD OC	242.86	38.9	141	Northwest	$193,490
319	5/803	I-5 OC, LAKE SAMISH RD	246.24	26.0	270	Northwest	$286,770
320	5/806E	SR 11 (CONNELLY AVE)	250.73	33.0	169	Northwest	$151,470
321	5/806W	SR 11 (CONNELLY AVE)	250.73	32.8	169	Northwest	$152,653
322	5/810W	MEADOR AVE OC	253.53	43.5	226	Northwest	$134,739
323	5/812	IOWA ST OC	253.79	88.0	138	Northwest	$329,890
324	5/813	KENTUCKY ST OC	253.88	91.5	130	Northwest	$411,708
325	5/822W	SR 539 OC MERIDIAN ST	256.21	43.5	171	Northwest	$43,863
326	5/824E	NORTHWEST AVE OC	256.98	31.5	154	Northwest	$104,638
327	5/824W	NORTHWEST AVE OC	256.98	31.5	154	Northwest	$109,010
328	5/825.2	I-5 OC, SLATER RD	260.13	40.0	320	Northwest	$194,178
329	5/826	I-5 OC, SMITH RD	261.51	40.0	369	Northwest	$211,272
330	5/827	I-5 OC, MAIN ST	262.57	29.0	265	Northwest	$110,710
331	5/828W	NOOKSACK R	263.05	38.0	897	Northwest	
332	5/829E	N FERNDALE OC	263.46	38.0	133	Northwest	$201,636

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Bridge Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
333	5/829W	N FERNDALE OC	263.46	48.0	133	Northwest	$258,786
334	5/830	I-5 OC, PORTAL WAY	265.21	28.0	319	Northwest	$229,389
335	5/833	I-5 OC, CUSTER	268.93	26.0	270	Northwest	$219,472
336	5/834	I-5 OC, BIRCH BAY	270.24	26.0	272	Northwest	$270,947
337	5/835	I-5 OC, LOOMIS	271.60	26.0	238	Northwest	$278,834
338	5/836E	DAKOTA CR	273.86	31.0	393	Northwest	$580,261
339	5/836W	DAKOTA CR	273.86	31.0	393	Northwest	$580,261
340	5/837N-W	N-W RAMP	274.17	20.0	245	Northwest	$140,756
341	5/838	I-5 OC, HUGHES AVE	274.52	26.0	288	Northwest	$248,716
342	5/840	I-5 OC, MITCHEL ST	275.54	26.0	303	Northwest	$168,949
343	5/841	I-5 OC, H ST	275.81	26.0	284	Northwest	$207,081
344	5/842E	SR 548 OC	276.20	49.2	158	Northwest	$76,373
345	5/842W	SR 548 OC	276.20	30.0	163	Northwest	$95,502
291	6/13	WILLAPA R	14.02	26.2	142	Southwest	$170,478
379	6/20	BN RR OC (NP)	19.90	26.0	143	Southwest	$261,800
363	6/118	CHEHALIS R ADNA	46.59	40.0	406	Southwest	$55,000
368	7/9	CW RR OC(CMSTPP)LINDBER	2.47	24.0	251	Southwest	$646,140
280	7/25	NISQUALLY R	16.74	28.0	247	Southwest	$22,000
275	7/105	MASHEL R	27.91	24.0	195	Olympic	$36,300
274	7/113	S. FORK MUCK CR	36.92	36.0	60	Olympic	$182,441
141	7/122	SR 512 OC	52.54	81.0	113	Olympic	$147,274
165	7/130	SR 7 OC, 38TH ST	57.45	69.0	512	Olympic	$717,503
245	8/7N	CLOQUALLAM CR	1.10	30.0	168	Olympic	$97,339
246	8/7S	CLOQUALLAM CR	1.10	30.0	168	Olympic	$97,009
1	8/104N	SR 101 OC MUD BAY	20.63	30.0	186	Olympic	
1	8/104S	SR 101 OC MUD BAY	20.63	30.0	186	Olympic	
236	9/118	SNOHOMISH R	9.17	29.3	1,111	Northwest	$904,607
237	9/119	2ND ST OC	9.56	30.0	210	Northwest	$153,901
247	9/121	72ND STREET SE OC	10.69	30.0	246	Northwest	$258,687
1	9/128	GETCHELL BRIDGE	21.09	28.0	243	Northwest	$82,000
262	9/130	BN RR (NP) & SSH 1-E OC	28.88	34.0	344	Northwest	$265,106
357	9/215	SKAGIT R	54.38	28.0	972	Northwest	$147,087
375	9/315	N FK NOOKSACK R U S	78.87	26.0	410	Northwest	$99,000

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Bridge Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
356	11/1	I-5 OC	0.00	31.5	287	Northwest	$214,148
171	12/25	WYNOOCHEE R	8.33	44.0	286	Olympic	$85,800
172	12/31N	SYLVIA CR NP RY OC	9.65	33.0	1,094	Olympic	$629,008
173	12/31S	SYLVIA CR NP RY OC	9.65	33.0	1,106	Olympic	$638,066
175	12/34N	SR 107 OC CMSTPP RR	10.24	33.0	1,991	Olympic	$1,150,853
174	12/34S	SR 107 OC CMSTPP RR	10.24	33.0	2,008	Olympic	$1,164,515
166	12/59N	BN RR OC (NP)	20.59	30.0	134	Olympic	$167,387
167	12/59S	BN RR OC (NP)	20.59	30.0	134	Olympic	$157,229
267	12/60N	US 12 OC	21.34	30.0	144	Olympic	$142,824
260	12/60S	US 12 OC	21.34	30.0	144	Olympic	$142,780
3	12/114	BN RR OC (NP)	44.92	28.0	261	Olympic	$102,000
248	12/117	CW RR OC (CMSTPP)	46.52	45.0	137	Olympic	$201,306
255	12/118	US12 OVER I-5	46.57	45.0	255	Olympic	$354,151
361	12/221	I-5 OC	66.54	28.5	205	Southwest	$166,188
367	12/245	LAKE CR	96.88	36.5	130	Southwest	$118,008
365	12/265	COWLITZ R CORA	122.76	26.0	554	Southwest	$358,160
376	12/280	PURCELL CREEK	137.19	40.0	162	Southwest	$89,964
372	12/282	CLEAR FORK CR	138.06	44.0	415	Southwest	$830,610
463	12/289	GULCH	144.89	26.0	221	Southwest	$294,949
499	12/304	N FK CLEAR CR	153.44	26.0	114	Southwest	$202,516
406	12/331N	BN RY (ABAND) & RAMP OC	199.95	38.0	446	South Central	$221,766
407	12/331S	W-W RAMP OC	199.95	38.0	397	South Central	$244,470
466	14/12	SR 14 OC, LIESER RD	4.35	44.0	208	Southwest	$48,296
472	14/13	SR 14 OC, ELLSWORTH RD	5.57	44.0	202	Southwest	$59,043
497	14/23S-E	SR 14 OC, NE 6TH AVE	12.32	26.0	235	Southwest	$128,332
498	14/25	WEST CAMAS SL	12.62	30.0	1,038	Southwest	$868,835
500	14/30	27TH ST & BN RY OC	16.73	42.0	224	Southwest	$190,267
502	14/35	BN RR OC	18.77	40.0	382	Southwest	$220,864
506	14/115	BN OC	40.48	44.0	319	Southwest	$227,172
190	16/8	SR 16 OC, S25TH ST	0.40	28.0	150	Olympic	
117	16/12E	CEDAR ST OC	0.62	90.3	199	Olympic	
118	16/12W	CEDAR ST OC	0.62	70.5	199	Olympic	
115	16/15E	UNION AVE OC	1.15	76.7	231	Olympic	

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Bridge Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
116	16/15W	UNION AVE OC	1.15	70.0	231	Olympic	
113	16/20E	SNAKE LAKE BR	1.57	68.0	492	Olympic	$243,000
114	16/20W	SNAKE LAKE BR	1.57	68.0	512	Olympic	$163,000
155	16/120	SR 16 OC, OLYMPIC I/C	10.74	66.0	207	Olympic	$75,708
185	18/3	SR 18 OC, 32ND AVE S	0.77	74.3	310	Northwest	$459,289
170	18/4	SR 18 OC, MILITARY RD	1.75	26.0	319	Northwest	$437,096
134	18/5	PEASLEY CANYON RD OC	1.86	77.8	360	Northwest	$833,162
135	18/6	W VALLEY HIGHWAY OC	2.30	68.0	114	Northwest	$268,191
156	18/8N	UP RR OC (CMSTPP)	3.49	65.0	284	Northwest	$403,524
157	18/8S	UP RR OC (CMSTPP)	3.49	30.0	280	Northwest	$299,371
136	18/9	NP RY OC	3.82	69.2	1,151	Northwest	$2,730,904
158	18/14N	NP RY OC - NORTH	4.95	40.5	212	Northwest	$112,404
161	18/16S	BNRR OC-SOUTH	6.41	49.5	307	Northwest	$352,176
160	18/17S	GREEN R (NEELEY BRIDGE)	6.62	29.5	371	Northwest	$72,600
159	18/20N	KENT-BLACK DIAMOND RD O	10.31	32.0	202	Northwest	$31,647
162	18/24N	SOOS CR	10.87	44.0	119	Northwest	$126,187
292	18/26	SR 18 OC, SE 231ST ST	15.73	76.0	274	Northwest	$195,085
263	18/31N	HOLDER CR HOBART RD OC	20.34	40.3	304	Northwest	$206,525
241	18/34	RAGING RIVER	26.30	38.0	292	Northwest	$282,557
2	20/15	SNC RR OC (CMSTPP)	9.16	26.0	228	Olympic	$84,000
250	20/209N	ABANDONED RR OC	49.86	38.4	200	Northwest	$177,430
355	20/209S	ABANDONED RR OC	49.86	38.4	200	Northwest	$165,275
408	20/259	BAKER R	89.35	40.0	563	Northwest	$290,114
459	20/262	JACKMAN CR	91.03	26.0	203	Northwest	$295,323
494	20/268	SWIFT CR	99.67	26.0	80	Northwest	$78,705
414	20/280	BACON CR	110.75	40.5	237	Northwest	$93,005
505	20/338	GORGE LAKE	126.12	26.5	460	Northwest	$333,179
415	20/609	EARLY WINTERS CR	175.98	32.0	220	North Central	$110,231
404	28/12	DOUGLAS CR	15.78	31.2	300	North Central	$157,058
412	82/1N	I-82 OVER I-90	0.00	38.0	309	South Central	$265,034
413	82/1S	I-82 OVER I-90	0.00	26.0	309	South Central	$121,006
416	82/2S	W-E RAMP, E-E RAMP OC	0.00	26.0	308	South Central	$65,412
401	82/117S	N 1ST ST N-W RAMP OC	31.36	31.0	163	South Central	$59,411

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Bridge Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
397	82/120N	OVERFLOW CHANNEL	31.99	32.0	160	South Central	$93,126
398	82/120S	OVERFLOW CHANNEL	31.99	32.0	160	South Central	$93,126
399	82/121N	NP RY OC MOXEE	32.47	28.0	213	South Central	$151,261
400	82/121S	NP RY OC MOXEE	32.47	28.0	213	South Central	$151,261
409	82/122N-W	82N RAMP OVR I-82	33.24	24.0	366	South Central	$335,363
410	82/123N-W	82N RAMP OVR TERRACE HT	33.24	21.0	175	South Central	$115,874
208	90/83N	424TH AVE SE OC	31.94	52.0	120	Northwest	$140,547
209	90/83S	424TH AVE SE OC	31.94	52.0	120	Northwest	$138,402
210	90/85N	BN RR OC (CMSTPP) TANNER	33.39	52.0	228	Northwest	$72,919
211	90/85S	BN RR OC (CMSTPP) TANNER	33.39	52.0	228	Northwest	$73,546
212	90/89N	EDGEWICK RD OC	34.63	52.0	178	South Central	$138,039
213	90/89S	EDGEWICK RD OC	34.63	52.0	175	South Central	$137,720
214	90/90N	S FK SNOQUALMIE R LOWER	36.62	52.0	227	South Central	$112,552
215	90/90S	S FK SNOQUALMIE R LOWER	36.62	68.0	207	South Central	$66,435
294	90/94	I-90 OC, TINKHAM RD	42.32	26.0	358	South Central	$130,818
295	90/95.8	I-90 OC HANSEN CR RD	47.73	26.0	263	South Central	$70,802
346	90/96.5N	DENNY CRK RD O-XING	47.96	52.0	244	South Central	$194,453
347	90/96S	S FK SNOQUALMIE R	47.95	76.9	214	South Central	$184,283
348	90/97.8N	FRANKLIN FALLS BR	51.12	52.0	700	South Central	$38,500
349	90/98.6N	UPPER SNOQUALMIE R BR	51.83	64.0	394	South Central	$581,515
350	90/99	SR 906 W-W RAMP OC	52.24	138.0	206	South Central	$273,059
351	90/101	ACCESS RD OC	52.95	126.0	195	South Central	$406,225
352	90/104	SR 906 0C	54.69	151.3	182	South Central	$270,699
353	90/106S	GOLD CR	55.49	38.0	126	South Central	$298,298
440	90/113	STAMPEDE RD OVER I-90	62.97	28.0	151	South Central	$135,691
441	90/114	CABIN CR RD OVER I-90	63.98	28.5	248	South Central	$254,914
442	90/118N	KACHESS R	69.49	38.0	150	South Central	$65,302
393	90/119	WEST EASTON RD OVER I-90	70.28	34.0	206	South Central	$85,344
443	90/120N	YAKIMA R	71.26	39.3	317	South Central	$242,583
444	90/120S	YAKIMA R	71.26	37.7	317	South Central	$252,126
445	90/121	EAST EASTON UC	71.56	28.0	250	South Central	$275,556
446	90/124N	LAKE VALLEY RD OC	74.05	38.0	104	South Central	$197,549
447	90/124S	LAKE VALLEY RD OC	74.05	38.0	104	South Central	$198,864

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Bridge Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
448	90/130N	NELSON RD OC	78.06	38.0	104	South Central	$180,395
449	90/130S	NELSON RD OC	78.06	38.0	104	South Central	$183,970
450	90/133	I-90 OC, BULLFROG RD	80.31	26.0	234	South Central	$180,054
451	90/134N	CLE ELUM R	80.79	31.0	297	South Central	$63,800
452	90/134S	CLE ELUM R	80.79	28.2	297	South Central	$63,800
394	90/135E-N	E-N RAMP I-90 OC	83.12	21.0	285	South Central	$99,627
387	90/136N	I-90 OVR CLE ELUM RD, BN	83.53	30.0	425	South Central	$238,640
388	90/136S	I-90 OVR CLE ELUM RD, BN	83.53	30.0	425	South Central	$245,020
453	90/137	I-90 OC, OAKES AVE	84.20	26.0	225	South Central	$182,815
386	90/140N	YAKIMA R	86.20	30.0	390	South Central	$135,262
385	90/140S	YAKIMA R	86.20	30.0	390	South Central	$134,129
454	90/141N	PEOH RD OC	86.63	30.0	375	South Central	$241,736
455	90/141S	PEOH RD OC	86.63	30.0	375	South Central	$247,649
456	90/144	I-90 OC THORP	89.77	24.0	271	South Central	$203,379
457	90/147	I-90 OC, ELK HT	93.62	24.0	266	South Central	$128,002
389	90/154N	YAKIMA R	102.49	30.0	595	South Central	$337,090
390	90/154S	YAKIMA R	102.49	30.0	595	South Central	$335,258
391	90/156N	DRY CR	104.71	30.0	390	South Central	$267,460
392	90/156S	DRY CR	104.71	30.0	390	South Central	$266,888
395	90/167	I-90 OC, RD #6	111.46	27.5	230	South Central	$34,408
396	90/172	I-90 OC, MUNDY RD	117.82	27.5	230	South Central	$34,452
405	97/508	METHOW R	253.49	26.0	468	North Central	$445,330
145	99/400	I-5 OC	0.00	54.0	321	Olympic	$366,212
1	99/507E	SR 599 OC	22.94	23.0	263	Northwest	$92,000
276	101/310	SOL DUC R	194.30	26.0	262	Olympic	$63,800
277	101/312	LAKE CR	198.49	26.0	132	Olympic	$148,748
285	101/314	SOL DUC RIVER #2	203.15	24.0	317	Olympic	$246,554
284	101/316	SOL DUC RIVER	203.66	24.0	248	Olympic	$63,800
288	101/320	SOL DUC R	211.55	24.0	306	Olympic	$346,935
287	101/322	SOL DUC RIVER #5	212.46	24.0	336	Olympic	$263,010
240	101/350	MORSE CR	252.16	78.0	188	Olympic	$149,127
177	101/425	GOLDSBOROUGH CR & RR O	346.51	58.5	338	Olympic	$475,585
178	101/426	MATLOCK RD OC	346.79	40.0	207	Olympic	$140,822

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Bridge Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
1	101/427	US 101 OC, LOST LK RD	348.08	26.0	251	Olympic	$69,000
169	101/428	MILL CREEK	348.44	40.3	153	Olympic	$96,899
179	101/430E	SKOOKUM CR NP RY OC	353.81	32.5	240	Olympic	$303,815
180	101/430W	SKOOKUM CR NP RY OC	353.81	32.5	240	Olympic	$303,573
271	104/1	S-E RAMP, US 101 OC	0.02	30.0	263	Olympic	$246,367
184	105/104	SOUTH BAY - ELK RIVER	32.07	26.0	1,309	Olympic	$579,744
187	105/108	JOHNS R	37.23	26.0	583	Olympic	$473,209
1	107/4	CHEHALIS R	6.83	26.0	1,302	Olympic	$134,000
278	112/20	CLALLAM R	19.00	26.0	128	Olympic	$120,291
188	116/5	PORTAGE CANAL	2.67	22.0	670	Olympic	$770,484
279	117/1	US 101 OC, SR 117	0.00	19.0	128	Olympic	$144,579
270	121/15	I-5 OC, SR 121	7.63	28.0	204	Olympic	$134,431
373	122/5	TILTON	3.57	24.0	1,114	Southwest	$814,000
360	122/10	MOSSYROCK	6.56	24.0	305	Southwest	$417,027
221	161/10	SR 161 OVER SR 512	25.67	40.0	278	Olympic	$159,231
152	161/102	I-5 OC	34.21	62.0	406	Northwest	$276,172
238	162/2	SR 410 OC	0.01	42.0	238	Olympic	$123,761
229	167/30E	W-S RAMP OC	7.05	40.0	234	Olympic	$150,695
231	167/32E	VALLEY AVE & UPRR O'XING	7.22	50.5	925	Olympic	$1,374,142
230	167/34E	WEST VALLEY HWY OC	7.56	38.0	290	Olympic	$313,291
151	167/110	SR 167 OC, 15TH ST SW	13.81	82.0	369	Northwest	$208,632
1	167/111W-N	W-N RAMP N-E RAMP OC	14.28	26.0	273	Northwest	$88,000
133	167/112W	SR 18 OC	14.28	44.4	335	Northwest	$308,022
183	167/115	SR 167 OC, W MAIN ST	14.77	44.0	383	Northwest	$278,647
150	167/116	SR 167 OC, 15TH ST NW	15.77	82.0	275	Northwest	$91,091
186	167/117	SR 167 OC 37TH	17.00	44.0	273	Northwest	$91,223
130	167/121E	GREEN R	19.04	55.0	241	Northwest	$329,670
131	167/121W	GREEN R	19.04	55.0	241	Northwest	$329,698
129	167/122E	SR 516 OC	19.60	54.0	190	Northwest	$33,666
132	167/122W	SR 516 OC	19.60	54.0	190	Northwest	$34,348
127	167/123E	MEEKER ST OC	19.83	64.0	158	Northwest	$110,831
128	167/123W	MEEKER ST OC	19.83	59.7	158	Northwest	$76,467
125	167/124E	JAMES ST OC	20.20	54.0	191	Northwest	$87,439

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Bridge Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
126	167/124W	JAMES ST OC	20.20	54.0	191	Northwest	$94,639
120	167/125E	UP RR OC (CMSTPP)	20.40	54.0	348	Northwest	$122,540
121	167/125W	UP RR OC (CMSTPP)	20.40	50.0	360	Northwest	$122,540
122	167/126E	4TH ST OC	20.70	54.0	246	Northwest	$112,860
123	167/126W	4TH AVE OC	20.70	54.0	246	Northwest	$112,596
124	167/127E	BN RR OC (NP)	20.96	56.0	314	Northwest	$193,996
119	167/127W	BN RR OC (NP)	20.96	50.0	314	Northwest	$193,397
139	167/128E	84TH AVE SOUTH O'XING	21.31	54.0	229	Northwest	$112,228
140	167/128W	84TH AVE SOUTH O'XING	21.31	54.0	229	Northwest	$110,682
144	167/129	SR 167OC S 212TH	22.38	61.0	317	Northwest	$110,985
182	167/130	SR 167 OC, S 208TH ST	22.63	26.0	246	Northwest	$223,328
143	167/133	SR 167 OC, S 180TH ST	24.42	58.0	240	Northwest	$264,523
257	169/12	BN RR OC (NP)	10.41	40.0	153	Northwest	$352,831
268	202/60	SNOQUALMIE R	26.00	24.0	444	Northwest	$105,600
264	203/33	CHERRY CR	17.22	36.0	101	Northwest	$374,693
254	203/106	SKYKOMISH R	23.20	28.0	582	Northwest	$46,200
480	205/10	I-205 OC, NE 9TH ST	28.83	44.0	351	Southwest	$190,025
483	205/14	I-205 OC, NE 18TH ST	29.34	46.0	276	Southwest	$103,109
486	205/16E	BURTON RD OC	29.79	52.0	171	Southwest	$92,835
487	205/16W	BURTON RD OC	29.79	52.0	171	Southwest	$93,396
489	205/20	I-205 OC, 4TH PLAIN BLVD	31.11	67.0	483	Southwest	$460,427
485	205/24	I-205 OC, NE 63RD ST	31.79	44.0	258	Southwest	$137,390
484	205/28	I-205 OC, NE 78TH ST	32.61	44.0	429	Southwest	$384,615
481	205/30N	PADDEN PKWY OVER I-205	33.04	46.0	448	Southwest	$174,856
482	205/30S	I-205 OC, NE 83RD ST	33.04	38.0	448	Southwest	$119,070
479	205/32	I-205 OC, NE ANDRESEN RD	33.52	84.0	260	Southwest	$153,428
477	205/34E	LP & N RY OC	34.00	38.0	237	Southwest	$133,359
478	205/34W	LP & N RY	34.00	38.0	232	Southwest	$134,156
475	205/36E	ST JOHNS RD OC	34.29	38.0	212	Southwest	$94,232
476	205/36W	ST JOHNS RD OC	34.29	38.0	212	Southwest	$89,342
474	205/38	I-205 OC, NE 50TH AVE	34.82	44.0	248	Southwest	$99,468
473	205/40	I-205 OC, NE 119TH ST	35.65	44.0	384	Southwest	$194,970
470	205/42E	SALMON CR & AVE OC	36.00	38.0	294	Southwest	$107,470

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Bridge Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
471	205/42W	SALMON CR & AVE OC	36.00	38.0	288	Southwest	$99,825
467	205/44	I-205 OC, NE 134TH ST	36.75	59.0	398	Southwest	$284,169
468	205/46	I-205 OC, NE 20TH AVE	36.90	76.5	391	Southwest	$279,158
289	401/10	NASELLE R	11.37	26.0	222	Southwest	$375,293
86	405/1	I-5 OC	0.00	46.0	560	Northwest	$319,539
87	405/5	I-405 OC, 61ST AVE S	0.34	58.0	205	Northwest	$203,880
88	405/11	SR 181 OC	0.96	167.9	173	Northwest	$764,044
89	405/12	BN RR OC (CMSTPP & NP)	1.14	115.7	765	Northwest	$928,439
90	405/15	SR 167 OC	2.30	184.0	188	Northwest	$560,313
91	405/16	SR 515 OC	2.77	108.0	215	Northwest	$318,247
92	405/41E	SE 8TH ST OC	12.78	64.0	189	Northwest	$144,216
93	405/41W	WILBURTON INTERCHANGE	12.79	61.0	183	Northwest	$144,799
94	405/44	I-405 OC, 12TH ST	14.12	48.0	298	Northwest	$263,852
95	405/45E	N-W N-E RAMP OC	14.82	68.0	245	Northwest	$106,788
96	405/45W	N-W & N-E RAMPS OC	14.82	68.0	207	Northwest	$107,569
97	405/46E	SR 520 OC	14.83	75.0	247	Northwest	$212,993
98	405/46W	SR 520 OC	14.83	86.0	241	Northwest	$208,093
99	405/47E	NORTHUP WAY OC	14.83	75.0	160	Northwest	$120,599
100	405/47W	NORTHUP WAY OC	14.83	68.0	149	Northwest	$327,124
101	405/48E	BNRR & 115th AVE NE OC	15.00	75.0	296	Northwest	$288,915
102	405/48S-W	S-W RAMP BNRR OC	14.83	41.0	232	Northwest	$72,710
103	405/48W	BNRR & 115 AVE NE OC	15.00	68.0	204	Northwest	$392,293
104	405/52E	SR 908 OC	18.11	64.0	223	Northwest	$158,142
105	405/52NCD	NBCD, SR 908 OC	17.84	36.0	211	Northwest	$158,296
106	405/52SCD	SBCD, SR 908 OC	18.11	36.0	223	Northwest	$236,269
107	405/52W	SR 908 OC	18.11	64.0	219	Northwest	$156,866
108	405/56E	BN RR OC (NP)	20.00	104.0	199	Northwest	$252,604
109	405/56W	BN RR OC (NP)	19.98	78.0	243	Northwest	$73,508
110	405/59E	NE 132ND ST OC	20.90	68.0	180	Northwest	$163,059
111	405/59W	NE 132ND ST OC	20.90	65.0	168	Northwest	$138,958
216	405/64	I-405 OC, NE 160TH ST	22.62	66.0	292	Northwest	$188,381
217	405/73	I-405 OC, 195TH ST	24.48	66.0	252	Northwest	$138,342
218	405/103E	228TH ST OC	26.31	55.7	287	Northwest	$206,234

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Bridge Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
219	405/103W	228TH ST OC	26.33	65.6	273	Northwest	$191,345
377	409/5	BIRNIE SL	1.78	26.0	193	Southwest	$82,500
223	410/31	WHITE R (STUCK R)	8.99	102.0	442	Olympic	$712,547
265	410/32	SR 410 OC, LINDEN DR	9.32	28.0	218	Olympic	$88,391
242	410/39N	166TH AVE E OC	11.46	38.0	147	Olympic	$97,114
4	410/115	SCATTER CR	31.06	28.0	250	Northwest	$176,000
371	410/123	SLIPPERY CR	42.49	38.0	78	Northwest	$77,754
458	411/10	HUNTINGTON AVE.NO.	13.26	28.0	147	Southwest	$39,600
461	432/8S	3RD AVE OC	7.62	43.0	299	Southwest	$297,314
464	432/10N	HARRY MORGAN BRIDGE	9.58	38.0	1,729	Southwest	$1,167,172
465	432/10S	COWLITZ R & NP RY OC	9.58	29.5	1,676	Southwest	$1,294,502
462	432/12	SR 432 OC I-5	10.29	57.0	280	Southwest	$246,895
490	500/5	SR 500 OC, 4TH PLAIN RD	4.44	67.0	318	Southwest	$387,596
491	500/6	I-205 OC	4.77	114.0	408	Southwest	$274,780
469	501/24	I-5 OC	19.84	28.0	249	Southwest	$163,273
493	503/112	JIM CR	39.55	24.0	308	Southwest	$186,445
359	504/1	I-5 OC	0.00	56.0	290	Southwest	$80,498
382	505/102	SALMON CR	16.40	26.0	156	Southwest	$251,774
370	505/125	I-5 OC	2.94	26.0	207	Southwest	$312,802
384	506/2	CAMPBELL CR	0.90	26.0	76	Southwest	$72,188
381	506/102	STILLWATER CR	4.69	26.0	200	Southwest	$233,382
380	506/108	I-5 OC	11.50	26.0	177	Southwest	$158,059
290	507/102	SKOOKUMCHUCK RIVER BR	6.10	32.0	180	Olympic	$53,570
286	507/116	WEYERHAEUSER RR OC	21.18	36.0	159	Olympic	$80,322
383	508/32	TILTON R	32.25	24.0	201	Southwest	$160,094
189	509/103	JOES CREEK	9.93	28.0	264	Northwest	$35,200
164	509/105	COUNTY RD OC 1ST AVE S	12.86	32.0	83	Northwest	$82,858
272	510/9	BN RR OC (NP)	6.48	32.0	191	Olympic	$34,056
273	510/10	BN RR OC (NP)	6.63	32.0	189	Olympic	$61,276
112	512/1	I-5 OC	0.00	80.0	211	Olympic	$219,000
168	512/13	SR 512 OC, PORTLAND AVE	3.71	28.0	131	Olympic	$44,715
153	512/15N	WALLER RD 0C	4.35	38.0	160	Olympic	$120,918
154	512/15S	WALLER RD OC	4.35	38.0	160	Olympic	$120,918

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Bridge Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
146	512/19	SR 512 OC, CANYON RD	5.86	77.0	248	Olympic	$288,365
147	512/21N	WOODLAND AVE OC	6.84	38.0	157	Olympic	$216,579
148	512/21S	WOODLAND AVE OC	6.84	38.0	157	Olympic	$216,832
234	512/23N	FRUITLAND AVE OC	7.22	38.0	157	Olympic	$213,593
149	512/23S	FRUITLAND AVE OC	7.22	38.0	157	Olympic	$190,108
266	512/25	9TH ST SW OVER SR 512	8.37	64.0	284	Olympic	$158,147
226	512/29N	15TH AVE SW OC	9.84	52.3	217	Olympic	$245,355
225	512/29S	15TH AVE SW OC	9.84	48.9	194	Olympic	$168,597
228	512/31N	MERIDIAN ST OC	10.06	38.0	237	Olympic	$148,676
227	512/31S	MERIDIAN ST OC	10.06	38.0	220	Olympic	$163,636
281	512/33	SR 512 UC 7TH	10.86	44.0	276	Olympic	$245,636
191	512/38	SR 512 OC, BENSTON DR	11.59	30.0	258	Olympic	$117,898
163	512/40N	SR 167 OC	11.99	38.0	337	Olympic	$185,620
138	518/18N	42ND AVE S OC	2.91	42.0	207	Northwest	$241,434
137	518/18S	42ND AVE S OC	2.91	31.0	207	Northwest	$176,567
259	522/28N	NORTH CR	10.85	55.5	140	Northwest	$89,722
258	522/28S	NORTH CR	10.85	37.8	140	Northwest	$91,586
243	522/136	CATHCART RD OC	20.41	30.7	131	Northwest	$163,103
1	522/138	SNOHOMISH R	20.50	31.5	1,679	Northwest	$1,129,000
244	522/142	W. Main Street OC	23.14	38.0	282	Northwest	$137,346
252	522/144	179TH AVE SE OC	24.14	38.0	346	Northwest	$160,490
253	522/150	US 2 & BN RR OC	24.65	38.0	351	Northwest	$383,521
181	525/10	BN RR OC (GN)	8.36	47.0	228	Northwest	$40,700
224	526/10	AIRPORT RD OC	1.43	74.0	162	Northwest	$146,603
256	526/12S-E	S-E RAMP, SR 526 0C	1.98	39.0	246	Northwest	$134,453
222	526/14	HARDESON ROAD OC	2.90	98.0	163	Northwest	$167,382
220	526/20	CASINO RD OC	3.74	105.0	234	Northwest	$203,082
282	529/8E	WALNUT ST OC	4.93	44.0	64	Northwest	$83,782
283	529/8W	WALNUT ST OC	4.93	44.0	64	Northwest	$82,489
192	529/10W	SNOHOMISH R CS3114	3.85	28.0	2,465	Northwest	$9,327,681
249	529/15E	UNION SL	5.12	28.0	633	Northwest	$2,288,370
261	530/115	I-5 OC	16.95	50.0	279	Northwest	$182,903
366	530/128	N FK STILLAGUAMISH R OSO	33.86	26.0	300	Northwest	$30,250

P2 Bridge Preservation - Seismic Retrofit

2009-11 Bien Priority Array

(Sorted by Bridge Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Width	Length	Region	Bridge Item$'s
369	530/132	BOULDER CR	40.13	32.0	165	Northwest	$55,666
251	532/6	GN RY COUNTY RD OC	4.98	26.0	699	Northwest	$568,178
269	534/1	I-5 OC	0.00	59.0	240	Northwest	$131,280
354	536/15	SKAGIT R CS2907	4.72	28.0	675	Northwest	$427,972
492	542/34	N FK NOOKSACK R	35.32	26.0	195	Northwest	$129,872
501	542/46	GALENA CR UPPER X-ING	53.65	29.3	107	Northwest	$249,695
362	543/1	I-5 OC, SR 543	0.00	23.0	252	Northwest	$135,256
358	548/1	I-5 OC	0.00	26.0	263	Northwest	$284,647
142	900/30	I-90 OC	21.58	77.5	240	Northwest	$150,667
504	970/1	SR 970 OVER I-90	0.00	28.0	229	South Central	$180,527
503	970/5	NP RY OC	0.29	36.5	145	South Central	$160,936

Total Number of Bridges = 506

Total of Bridge Item$ = $195,088,371

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007266A **Bridge Number:** 004/130A	**Bridge Name:** ELOCHOMAN RIVER		**Route:** 4	**Milepost:** 34.88	**Region:** Southwest **County:** Wahkiakum
Location: 2.3 N JCT SR 4	**Longitude:** ° ' " 123 21 14.3	**Latitude:** ° ' " 46 13 9.3	**Structure Length:** 255 ft.		**Out to Out Width:** 31 ft.
Feature Intersected: ELOCHOMAN RIVER	**PGA (500 yr):** 20.72 %g	**PGA (1000 yr):** 29.0% %g	**Span Type:** CBox		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1963 **Year Rebuilt:** 0	**ADT:** 922 **Truck Pct:** 1 %	**Detour Length:** 1 miles	**Skew Angle:** 0	**Pier Type:**	**Footing Type:**

Bridge Notes:

Piers 2 and 3, each has a 5'-0" diameter column on spread footing. Columns have #4 hoops @ 12". Vertical #11 bars have 4'-2" lap splices at top of footings. Footings have no top mats.

Retrofit Program Notes:

Add via memo 9/9/02.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Install Column Jacket for single columns at Piers 2 and 3. Excavate to top of Footings.

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 1
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2008
Superstructure Retrofit Status:	N		
Single Column Pier Status:	R		
Multi Column Pier Status:	N	**DNR Liquifaction Susceptibility:**	Bedrock

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $96,354.50

Estimated Total Retrofit Project Cost: $192,709.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0006145B **Bridge Number:** 005/433	**Bridge Name:** S-N RAMP OC		**Route:** 5	**Milepost:** 132.26	**Region:** Olympic **County:** Pierce
Location: 4.9 N JCT SR 512	**Longitude:** ° ' " 122 27 44.83	**Latitude:** ° ' " 47 13 46.06	**Structure Length:** 195 ft.		**Out to Out Width:** 121 ft.
Feature Intersected: S-N RAMP ER17	**PGA (500 yr):** 31.05 %g	**PGA (1000 yr):** 40.6% %g	**Span Type:** CBox		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1960 **Year Rebuilt:** 1973 **ADT:** 159711 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 14	**Pier Type:** Pier with more than two columns		**Footing Type:** Concrete Pile

Bridge Notes:

Piers 2 and 3, each has ten 3'-0" diameter columns. Retrofit south 9 column each pier only. These columns have #4 hoops @ 12", #10 bars with 3'-8" splices (for 6 columns built in 1960) and #4 @6", #9 bars with 3'-6" splices (for 3 columns built in 1973) . Footing without top mat.

Retrofit Program Notes:

Engineering analysis needed to determine bridge elements requiring retrofit. Cost estimate based on an assumption to retrofit columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (9 ea. 18 total, 3' dia.)

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 9
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2012
Superstructure Retrofit Status:	N		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $502,832.00

Estimated Total Retrofit Project Cost: $1,005,664.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0006088B **Bridge Number:** 005/437	**Bridge Name:** S M ST OC		**Route:** 5	**Milepost:** 132.84	**Region:** Olympic **County:** Pierce
Location: 0.5 N JCT SR 16	**Longitude:** ° ' " 122 27 2.07	**Latitude:** ° ' " 47 13 49.12	**Structure Length:** 232 ft.		**Out to Out Width:** 160 ft.
Feature Intersected: S M ST	**PGA (500 yr):** 31.02 %g	**PGA (1000 yr):** 40.5% %g	**Span Type:** CBox		**Main Spans:** 3 **Appr. Spans:** 2
Year Built: 1959 **Year Rebuilt:** 1989	**ADT:** 188241 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 5	**Pier Type:** Pier with more than two columns	**Footing Type:** Spread footing

Bridge Notes:

Piers 2 and 3, each has nine 3'-0" diameter columns. Retrofit south 8 column each pier only. These columns have #4 hoops @ 12", #11 bars with 4'-2" splices . Footing without top mat.

Retrofit Program Notes:

Engineering analysis needed to determine bridge elements requiring retrofit. Cost estimate based on an assumption to retrofit columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (8 ea. 16 total, 3' dia.)

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 8
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2012
Superstructure Retrofit Status:	N		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $378,565.00

Estimated Total Retrofit Project Cost: $757,130.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007326B **Bridge Number:** 005/445W	**Bridge Name:** SR7&CW RR OC (CMSTP&P)		**Route:** 5	**Milepost:** 133.71	**Region:** Olympic **County:** Pierce
Location: 1.5 N JCT SR 16	**Longitude:** 122 ° 25 ' 54 "	**Latitude:** 47 ° 14 ' 0 "	**Structure Length:** 817 ft.		**Out to Out Width:** 58.5 ft.
Feature Intersected: SR 7 & CMSTP&P RY	**PGA (500 yr):** 30.98 %g	**PGA (1000 yr):** 40.5% %g	**Span Type:** CBox		**Main Spans:** 10 **Appr. Spans:** 0
Year Built: 1964 **Year Rebuilt:** 1989 **ADT:** 94120 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 0	**Pier Type:** Double Column Pier		**Footing Type:** Concrete Pile

Bridge Notes:

Defer retrofit. Piers 2-N thru 8-N , each has a 3'-0"x 15'-0" column (built in1964) and a 4'-0" diameter column (built in 1989).

Retrofit Program Notes:

Engineering analysis needed to determine bridge elements requiring retrofit. Cost estimate based on an assumption to retrofit columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 thru 8. (1 ea. 7 total, 15'-0" x 3'-0")

Overall Retrofit Status:	P	**Total Number of Columns:**	**09-11Rank:** 25
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2019
Superstructure Retrofit Status:	C		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $1,517,351.00

Estimated Total Retrofit Project Cost: $3,034,702.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0006792A **Bridge Number:** 005/452E	**Bridge Name:** PORTLAND AVE OC		**Route:** 5	**Milepost:** 134.87	**Region:** Olympic **County:** Pierce
Location: 1.1 N JCT SR 7	**Longitude:** 122 24 39.5	**Latitude:** 47 14 20.1	**Structure Length:** 216 ft.		**Out to Out Width:** 61.5 ft.
Feature Intersected: PORTLAND AVE	**PGA (500 yr):** 30.96 %g	**PGA (1000 yr):** 40.5% %g	**Span Type:** PCG		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1962 **Year Rebuilt:** 0 **ADT:** 99714 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 0	**Pier Type:** Pier with more than two columns		**Footing Type:**

Bridge Notes:

Piers 2 and 3, each has six 3'-0" diameter columns. #3 hoops @ 12". longitudinal bars with lap splices. Footing without top mat.

Retrofit Program Notes:

Engineering analysis needed to determine bridge elements requiring retrofit. Cost estimate based on an assumption to retrofit columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (6 ea. 12 total, 3' dia.). 10' excavation.

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 18
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2012
Superstructure Retrofit Status:	N		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $366,883.00

Estimated Total Retrofit Project Cost: $733,766.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0006792B **Bridge Number:** 005/452W	**Bridge Name:** PORTLAND AVE OC		**Route:** 5	**Milepost:** 134.87	**Region:** Olympic **County:** Pierce
Location: 1.1 N JCT SR 7	**Longitude:** 122 ° 24 ' 39.9 "	**Latitude:** 47 ° 14 ' 21.4 "	**Structure Length:** 216 ft.		**Out to Out Width:** 75.3 ft.
Feature Intersected: PORTLAND AVE	**PGA (500 yr):** 30.96 %g	**PGA (1000 yr):** 40.5% %g	**Span Type:** PCG		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1962 **Year Rebuilt:** 1990 **ADT:** 99714 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 0	**Pier Type:** Pier with more than two columns		**Footing Type:**

Bridge Notes:

Piers 2 and 3, each has eight 3'-0" diameter columns. Retrofit south 7 columns only. These columns (built in 1962 and 1970) have either #3 hoops @ 12" or #4 hoops @ 12'. longitudinal bars with lap splices. Footing without top mat.

Retrofit Program Notes:

Engineering analysis needed to determine bridge elements requiring retrofit. Cost estimate based on an assumption to retrofit columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (7 ea. 14 total, 3' dia.). 11' excavation.

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 19
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2014
Superstructure Retrofit Status:	N		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $426,651.50

Estimated Total Retrofit Project Cost: $853,303.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0006821A **Bridge Number:** 005/453	**Bridge Name:** SR 167 E-N RAMP OC		**Route:** 5	**Milepost:** 135.17	**Region:** Olympic **County:** Pierce
Location: 1.2 N JCT SR 7	**Longitude:** ° ' " 122 24 27.7	**Latitude:** ° ' " 47 14 22.4	**Structure Length:** 121 ft.		**Out to Out Width:** 150 ft.
Feature Intersected: SR 167 E-E RAMP OC	**PGA (500 yr):** 30.96 %g	**PGA (1000 yr):** 40.5% %g	**Span Type:** PCG		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1962 **Year Rebuilt:** 1970	**ADT:** 199429 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 14	**Pier Type:** Pier with more than two columns	**Footing Type:**

Bridge Notes:

Piers 2 and 3, each has fourteen 3'-0" diameter columns. #3 hoops @ 12" or #4 @12". longitudinal bars with lap splices. Footing without top mat.

Retrofit Program Notes:

Engineering analysis needed to determine bridge elements requiring retrofit. Cost estimate based on an assumption to retrofit columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (14 ea. 28 total, 3' dia.)

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 6
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2012
Superstructure Retrofit Status:	N		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	High

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $613,536.00

Estimated Total Retrofit Project Cost: $1,227,072.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0006979B **Bridge Number:** 005/455	**Bridge Name:** EAST T ST SEWER OC		**Route:** 5	**Milepost:** 135.17	**Region:** Olympic **County:** Pierce
Location: 0.2 N JCT SR 167	**Longitude:** ° ' " 122 24 17.2	**Latitude:** ° ' " 47 14 21.9	**Structure Length:** 150 ft.		**Out to Out Width:** 124.5 ft.
Feature Intersected: EAST T ST SEWER	**PGA (500 yr):** 30.94 %g	**PGA (1000 yr):** 40.5% %g	**Span Type:** PCG		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1963 **Year Rebuilt:** 1970	**ADT:** 199429 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 99	**Pier Type:** Pier with more than two columns	**Footing Type:** Cased concrete pile

Bridge Notes:

Piers 2 and 3, each has ten 3'-0" diameter columns. #3 hoops @ 12" or #4 @12". longitudinal bars with lap splices. Footing without top mat.

Retrofit Program Notes:

Engineering analysis needed to determine bridge elements requiring retrofit. Cost estimate based on an assumption to retrofit columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (10 ea. 18 total, 3' dia.)

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 7
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2012
Superstructure Retrofit Status:	N		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	High

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $526,058.50

Estimated Total Retrofit Project Cost: $1,052,117.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0006094B **Bridge Number:** 005/504E	**Bridge Name:** S 336TH ST OC		**Route:** 5	**Milepost:** 142.79	**Region:** Northwest **County:** King
Location: 0.8 N JCT SR 18	**Longitude:** ° ' " 122 18 9.4	**Latitude:** ° ' " 47 18 1.1	**Structure Length:** 198 ft.		**Out to Out Width:** 83 ft.
Feature Intersected: S 336TH ST	**PGA (500 yr):** 31.15 %g	**PGA (1000 yr):** 40.8% %g	**Span Type:** CBox		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1959 **Year Rebuilt:** 2006	**ADT:** 77500 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 12	**Pier Type:** Pier with more than two columns	**Footing Type:**

Bridge Notes:

Piers 2 and 3, each has three 3'-0" diameter columns. #4 hoops @ 12". #8 bars with 3'-0" splices. Footing without top mat.

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (3 ea. 6 total, 3' dia.)

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 39
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:**
Superstructure Retrofit Status:	N		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $177,221.00

Estimated Total Retrofit Project Cost: $354,442.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0006094C **Bridge Number:** 005/504W	**Bridge Name:** S 336TH ST OC		**Route:** 5	**Milepost:** 142.79	**Region:** Northwest **County:** King
Location: 0.8 N JCT SR 18	**Longitude:** ° ' " 122 18 6	**Latitude:** ° ' " 47 18 6	**Structure Length:** 156 ft.		**Out to Out Width:** 58 ft.
Feature Intersected: S 336TH ST	**PGA (500 yr):** 31.15 %g	**PGA (1000 yr):** 40.8% %g	**Span Type:** CVS		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1959 **Year Rebuilt:** 0 **ADT:** 77500 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 12	**Pier Type:** Pier with more than two columns		**Footing Type:**

Bridge Notes:

Piers 2 and 3, each has three 3'-0" diameter columns. #4 hoops @ 12". #11 bars with 4'-2" splices. Footing without top mat.

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (3 ea. 6 total, 3' dia.)

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 40
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:**
Superstructure Retrofit Status:	N		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $145,860.00

Estimated Total Retrofit Project Cost: $291,720.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0006262A **Bridge Number:** 005/505	**Bridge Name:** I-5 OC, S320TH		**Route:** 5	**Milepost:** 143.83	**Region:** Northwest **County:** King
Location: 1.8 N JCT SR 18	**Longitude:** ° ' " 122 17 48	**Latitude:** ° ' " 47 18 54	**Structure Length:** 332 ft.		**Out to Out Width:** 76 ft.
Feature Intersected: I-5	**PGA (500 yr):** 31.29 %g	**PGA (1000 yr):** 41.0% %g	**Span Type:** PCG		**Main Spans:** 4 **Appr. Spans:** 0
Year Built: 1960 **Year Rebuilt:** 0	**ADT:** 55100 **Truck Pct:** 1 %	**Detour Length:** 4 miles	**Skew Angle:** 15	**Pier Type:** Pier with more than two columns	**Footing Type:**

No Photo Available

Bridge Notes:

Piers 2, 3 and 4, each has six 3'-0" diameter columns. #3 hoops @ 12". #10 bars with 3'-8" splices. Footing without top mat. (E-23h)

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2, 3 and 4. (6 ea. 18 total)

Overall Retrofit Status:	P	**Total Number of Columns:**	**09-11Rank:** 43
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:**
Superstructure Retrofit Status:	C		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $409,178.00

Estimated Total Retrofit Project Cost: $818,356.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0006124A **Bridge Number:** 005/506E	**Bridge Name:** MILITARY RD OC		**Route:** 5	**Milepost:** 144.65	**Region:** Northwest **County:** King
Location: 2.6 N JCT SR 18	**Longitude:** ° ' " 122 17 36	**Latitude:** ° ' " 47 19 36	**Structure Length:** 199 ft.		**Out to Out Width:** 77.4 ft.
Feature Intersected: MILITARY RD	**PGA (500 yr):** 31.41 %g	**PGA (1000 yr):** 41.2% %g	**Span Type:** CBox		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1959 **Year Rebuilt:** 2005	**ADT:** 85500 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 40	**Pier Type:** Pier with more than two columns	**Footing Type:**

Bridge Notes:

Piers 2 and 3, each has four 3'-0" diameter columns. #3 hoops @ 12". #11 bars with 4'-2" splices. Footing without top mat.

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (4 ea. 8 total, 3' dia.)

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 28
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:**
Superstructure Retrofit Status:	N		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Moderate to High

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $189,568.50

Estimated Total Retrofit Project Cost: $379,137.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0006124B **Bridge Number:** 005/506W	**Bridge Name:** MILITARY RD OC		**Route:** 5	**Milepost:** 144.65	**Region:** Northwest **County:** King
Location: 2.6 N JCT SR 18	**Longitude:** ° ' " 122 17 38.2	**Latitude:** ° ' " 47 19 37.6	**Structure Length:** 199 ft.		**Out to Out Width:** 80.5 ft.
Feature Intersected: MILITARY RD	**PGA (500 yr):** 31.41 %g	**PGA (1000 yr):** 41.2% %g	**Span Type:** CBox		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1959 **Year Rebuilt:** 2002	**ADT:** 85500 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 40	**Pier Type:** Pier with more than two columns	**Footing Type:**

Bridge Notes:

Piers 2 and 3, each has six columns. Retrofit center four 3'-0" diameter columns only. These columns have #3 hoops @ 12". #11 bars with 4'-2" splices. Footing without top mat.

Retrofit Program Notes:

Bridge widened (c5981). Add one 3'-0" dia. Columns on 5'-0" drilled shafts at Piers 2 and 3 each side of bridge.

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (4 ea. 8 total, 3' dia.)

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 29
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:**
Superstructure Retrofit Status:	N		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Moderate to High

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $182,413.00

Estimated Total Retrofit Project Cost: $364,826.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0006313A **Bridge Number:** 005/507E	**Bridge Name:** S 288TH ST OC		**Route:** 5	**Milepost:** 145.79	**Region:** Northwest **County:** King
Location: 3.8 N JCT SR 18	**Longitude:** 122 ° 17 ' 30 "	**Latitude:** 47 ° 20 ' 36 "	**Structure Length:** 157 ft.		**Out to Out Width:** 80.5 ft.
Feature Intersected: S 288TH ST	**PGA (500 yr):** 31.61 %g	**PGA (1000 yr):** 41.5% %g	**Span Type:** PCG		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1961 **Year Rebuilt:** 1994	**ADT:** 85500 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 0	**Pier Type:** Pier with more than two columns	**Footing Type:**

Bridge Notes:

Piers 2 and 3, each has six 3'-0" diameter columns. Retrofit 5 east columns per pier only, these columns has #3 hoops @ 12". #10 bars with 3'-8" splices. Footing without top mat. (E-23h)

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (5 ea. 10 total, 3' dia.)

Overall Retrofit Status:	P	**Total Number of Columns:**	**09-11Rank:** 30
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:**
Superstructure Retrofit Status:	C		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $263,835.00

Estimated Total Retrofit Project Cost: $527,670.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0006313B **Bridge Number:** 005/507W	**Bridge Name:** S 288TH ST OC		**Route:** 5	**Milepost:** 145.79	**Region:** Northwest **County:** King
Location: 3.8 N JCT SR 18	**Longitude:** ° ' " 122 17 34.4	**Latitude:** ° ' " 47 20 35.4	**Structure Length:** 157 ft.		**Out to Out Width:** 80.5 ft.
Feature Intersected: S 288TH ST	**PGA (500 yr):** 31.61 %g	**PGA (1000 yr):** 41.5% %g	**Span Type:** PCG		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1961 **Year Rebuilt:** 2002	**ADT:** 85500 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 0	**Pier Type:** Pier with more than two columns	**Footing Type:**

Bridge Notes:

Piers 2 and 3, each has seven columns. Retrofit five center 3'-0" diameter columns per pier only, these columns has #3 hoops @ 12". #10 bars with 3'-8" splices. Footing without top mat. (E-23h)

Retrofit Program Notes:

Bridge widened (c5981). Add one 3'-0" dia. Columns on 4'-6" drilled shafts at Piers 2 and 3 each side of bridge.

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (5 ea. 10 total, 3' dia.)

Overall Retrofit Status:	P	**Total Number of Columns:**	**09-11Rank:** 31
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:**
Superstructure Retrofit Status:	C		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $245,987.50

Estimated Total Retrofit Project Cost: $491,975.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0006207B **Bridge Number:** 005/508E	**Bridge Name:** MILITARY RD OC		**Route:** 5	**Milepost:** 146.44	**Region:** Northwest **County:** King
Location: 4.4 N JCT SR 18	**Longitude:** ° ' " 122 17 43.8	**Latitude:** ° ' " 47 21 8.4	**Structure Length:** 243 ft.		**Out to Out Width:** 73 ft.
Feature Intersected: MILITARY RD	**PGA (500 yr):** 31.76 %g	**PGA (1000 yr):** 41.8% %g	**Span Type:** PCG		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1960 **Year Rebuilt:** 1994 **ADT:** 80000 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 41	**Pier Type:** Pier with more than two columns		**Footing Type:**

No Photo Available

Bridge Notes:

Piers 2 and 3, each has six columns. Retrofit five east 3'-0" diameter columns. #3 hoops @ 12". #10 bars with 2'-2" splices. Footing without top mat. (E-21g)

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (5 ea. 10 total, 3' dia.). Large skew (41 degree), deep excavation (12 ft). Install girder stops at Pier 1 thru 4.

Overall Retrofit Status:	P	**Total Number of Columns:**	**09-11Rank:** 33
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:**
Superstructure Retrofit Status:	P		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $433,647.50

Estimated Total Retrofit Project Cost: $867,295.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0006207A **Bridge Number:** 005/508W	**Bridge Name:** MILITARY RD OC		**Route:** 5	**Milepost:** 146.43	**Region:** Northwest **County:** King
Location: 4.4 N JCT SR 18	**Longitude:** ° ' " 122 17 44.5	**Latitude:** ° ' " 47 21 7.4	**Structure Length:** 243 ft.		**Out to Out Width:** 97.5 ft.
Feature Intersected: MILITARY RD	**PGA (500 yr):** 31.76 %g	**PGA (1000 yr):** 41.7% %g	**Span Type:** PCG		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1960 **Year Rebuilt:** 2002	**ADT:** 80000 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 40	**Pier Type:** Pier with more than two columns	**Footing Type:**

Bridge Notes:

Piers 2 and 3, each has eight columns. Retrofit five center 3'-0" diameter columns. #3 hoops @ 12". #10 bars with 2'-2" splices. Footing without top mat. (E-21g)

Retrofit Program Notes:

Bridge widened (c5981). Add two 3'-0" dia. Columns east side and one 3'-0" column west side on 5'-0" drilled shafts at Piers 2 and 3 each side of bridge.

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (5 ea. 10 total, 3' dia.). Large skew (41 degree), deep excavation (18 ft). Install girder stops at Pier 1 thru 4.

Overall Retrofit Status:	P	**Total Number of Columns:**	**09-11Rank:** 34
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:**
Superstructure Retrofit Status:	P		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $607,420.00

Estimated Total Retrofit Project Cost: $1,214,840.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0006313C **Bridge Number:** 005/509E	**Bridge Name:** S 272ND ST OC		**Route:** 5	**Milepost:** 146.81	**Region:** Northwest **County:** King
Location: 4.8 N JCT SR 18	**Longitude:** 122 ° 17 ' 46 "	**Latitude:** 47 ° 21 ' 27.4 "	**Structure Length:** 151 ft.		**Out to Out Width:** 76.5 ft.
Feature Intersected: S 272ND ST	**PGA (500 yr):** 31.83 %g	**PGA (1000 yr):** 41.9% %g	**Span Type:** PCG		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1961 **Year Rebuilt:** 1994	**ADT:** 80000 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 4	**Pier Type:** Pier with more than two columns	**Footing Type:**

No Photo Available

Bridge Notes:

Piers 2 and 3, each has six columns. Retrofit five east 3'-0" diameter columns. #3 hoops @ 12". #10 bars with 3'-8" splices. Footing without top mat. (E-23h)

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (5 ea. 10 total, 3' dia.)

Overall Retrofit Status:	P	**Total Number of Columns:**	**09-11Rank:** 35
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:**
Superstructure Retrofit Status:	C		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $247,995.00

Estimated Total Retrofit Project Cost: $495,990.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0006313D **Bridge Number:** 005/509W	**Bridge Name:** S 272ND ST OC		**Route:** 5	**Milepost:** 146.81	**Region:** Northwest **County:** King
Location: 4.8 N JCT SR 18	**Longitude:** 122 ° 17 ' 48 "	**Latitude:** 47 ° 21 ' 27.6 "	**Structure Length:** 151 ft.		**Out to Out Width:** 91.5 ft.
Feature Intersected: S 272ND ST	**PGA (500 yr):** 31.83 %g	**PGA (1000 yr):** 41.9% %g	**Span Type:** PCG		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1961 **Year Rebuilt:** 2002	**ADT:** 80000 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 4	**Pier Type:** Pier with more than two columns	**Footing Type:**

Bridge Notes:

Piers 2 and 3, each has seven columns. Retrofit five east 3'-0" diameter columns. #3 hoops @ 12". #10 bars with 3'-8" splices. Footing without top mat. (E-23h)

Retrofit Program Notes:

Bridge widened (c5981). Add two 3'-0" dia. Columns West side on 4'-6" drilled shafts at Piers 2 and 3 each side of bridge.

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (5 ea. 10 total, 3' dia.)

Overall Retrofit Status:	P	**Total Number of Columns:**	**09-11Rank:** 36
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:**
Superstructure Retrofit Status:	C		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $242,940.50

Estimated Total Retrofit Project Cost: $485,881.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0006186A **Bridge Number:** 005/510E	**Bridge Name:** S 260TH ST OC		**Route:** 5	**Milepost:** 147.64	**Region:** Northwest **County:** King
Location: 5.6 N JCT SR 18	**Longitude:** ° ' " 122 17 36	**Latitude:** ° ' " 47 22 12	**Structure Length:** 162 ft.		**Out to Out Width:** 68 ft.
Feature Intersected: S 260TH ST	**PGA (500 yr):** 31.99 %g	**PGA (1000 yr):** 42.2% %g	**Span Type:** CVS		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1960 **Year Rebuilt:** 1991 **ADT:** 80000 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 0	**Pier Type:** Pier with more than two columns		**Footing Type:**

Bridge Notes:

Piers 2 and 3, each has four columns. Retrofit three east 2'-9" diameter columns. #4 hoops @ 12". #9 bars with 3'-4" splices. Footing without top mat.

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (3 ea. 6 total, 2'-9" dia.)

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 37
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:**
Superstructure Retrofit Status:	N		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $152,757.00

Estimated Total Retrofit Project Cost: $305,514.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0006186B **Bridge Number:** 005/510W	**Bridge Name:** S 260TH ST OC		**Route:** 5	**Milepost:** 147.64	**Region:** Northwest **County:** King
Location: 5.6 N JCT SR 18	**Longitude:** 122 ° 17 ' 36 "	**Latitude:** 47 ° 22 ' 12 "	**Structure Length:** 162 ft.		**Out to Out Width:** 92.2 ft.
Feature Intersected: S 260TH ST	**PGA (500 yr):** 31.99 %g	**PGA (1000 yr):** 42.2% %g	**Span Type:** CVS		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1960 **Year Rebuilt:** 2002	**ADT:** 80000 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 0	**Pier Type:** Pier with more than two columns	**Footing Type:**

Bridge Notes:

Piers 2 and 3, each has five columns. Retrofit three center 2'-9" diameter columns. #4 hoops @ 12". #9 bars with 3'-4" splices. Footing without top mat.

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (3 ea. 6 total, 2'-9" dia.)

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 38
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:**
Superstructure Retrofit Status:	N		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $110,434.50

Estimated Total Retrofit Project Cost: $220,869.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0006820A **Bridge Number:** 005/511E	**Bridge Name:** SR 516 OC		**Route:** 5	**Milepost:** 149.17	**Region:** Northwest **County:** King
Location: 7.2 N JCT SR 18	**Longitude:** 122 ° 17 ' 24 "	**Latitude:** 47 ° 23 ' 0 "	**Structure Length:** 269 ft.		**Out to Out Width:** 90 ft.
Feature Intersected: SR 516	**PGA (500 yr):** 32.15 %g	**PGA (1000 yr):** 42.6% %g	**Span Type:** PCG		**Main Spans:** 4 **Appr. Spans:** 0
Year Built: 1962 **Year Rebuilt:** 1991	**ADT:** 85000 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 30	**Pier Type:** Pier with more than two columns	**Footing Type:**

Bridge Notes:

Piers 2, 3 and 4, each has seven 3'-0" diameter columns. Retrofit six east columns only. These columns have #3 hoops @ 12". #10 bars with 3'-8" splices. Footing without top mat. (E-23h)

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2, 3 and 4. (6 ea. 18 total, 3' dia.)

Overall Retrofit Status:	P	**Total Number of Columns:**	**09-11Rank:** 32
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:**
Superstructure Retrofit Status:	C		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $454,613.50

Estimated Total Retrofit Project Cost: $909,227.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007090A **Bridge Number:** 005/513	**Bridge Name:** I-5 OC, S 216TH		**Route:** 5	**Milepost:** 150.33	**Region:** Northwest **County:** King
Location: 1.1 N JCT SR 516	**Longitude:** ° ' " 122 17 30	**Latitude:** ° ' " 47 24 30	**Structure Length:** 290 ft.		**Out to Out Width:** 36 ft.
Feature Intersected: I-5	**PGA (500 yr):** 32.51 %g	**PGA (1000 yr):** 43.3% %g	**Span Type:** PCG		**Main Spans:** 4 **Appr. Spans:** 0
Year Built: 1963 **Year Rebuilt:** 0	**ADT:** 12540 **Truck Pct:** 1 %	**Detour Length:** 4 miles	**Skew Angle:** 8	**Pier Type:** Pier with more than two columns	**Footing Type:**

Bridge Notes:

Piers 2, 3 and 4, each has three 3'-0" diameter columns. #3 hoops @ 12". Longitudinal bars with lap splices. Footing without top mat. (E-54m)

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2, 3 and 4. (3 ea. 9 total, 3' dia.)

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 47
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:**
Superstructure Retrofit Status:	N		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $246,185.50

Estimated Total Retrofit Project Cost: $492,371.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007090B **Bridge Number:** 005/516E	**Bridge Name:** ORILLA RD OC		**Route:** 5	**Milepost:** 152.26	**Region:** Northwest **County:** King
Location: 3.1 N JCT SR 516	**Longitude:** ° ' " 122 16 12	**Latitude:** ° ' " 47 25 54	**Structure Length:** 195 ft.		**Out to Out Width:** 79 ft.
Feature Intersected: ORILLA RD	**PGA (500 yr):** 32.62 %g	**PGA (1000 yr):** 43.8% %g	**Span Type:** PCG		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1963 **Year Rebuilt:** 1994	**ADT:** 89500 **Truck Pct:** 15 %	**Detour Length:** 0 miles	**Skew Angle:** 1	**Pier Type:** Pier with more than two columns	**Footing Type:**

Bridge Notes:

Piers 2 and 3, each has seven 3'-0" diameter columns. Retrofit six east columns only. These 3'-0" diameter columns have #3 hoops @ 12" and longitudinal bars with lap splices. Footing without top mat. (E-54m)

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (6 ea. 12 total, 3' dia.)

Overall Retrofit Status:	P	**Total Number of Columns:**	**09-11Rank:** 26
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:**
Superstructure Retrofit Status:	C		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $304,172.00

Estimated Total Retrofit Project Cost: $608,344.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007090C **Bridge Number:** 005/516W	**Bridge Name:** ORILLA RD OC-SO188TH ST		**Route:** 5	**Milepost:** 152.26	**Region:** Northwest **County:** King
Location: 3.1 N JCT SR 516	**Longitude:** ° ' " 122 16 12	**Latitude:** ° ' " 47 25 54	**Structure Length:** 230 ft.		**Out to Out Width:** 93.8 ft.
Feature Intersected: ORILLA RD	**PGA (500 yr):** 32.62 %g	**PGA (1000 yr):** 43.8% %g	**Span Type:** PCG		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1963 **Year Rebuilt:** 1997	**ADT:** 89500 **Truck Pct:** 15 %	**Detour Length:** 0 miles	**Skew Angle:** 0	**Pier Type:** Pier with more than two columns	**Footing Type:**

Bridge Notes:

Piers 2 and 3, each has seven 3'-0" diameter columns. Retrofit six west columns only. These 3'-0" diameter columns have #3 hoops @ 12" and longitudinal bars with lap splices. Footing without top mat. (E-54m)

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (6 ea. 12 total, 3' dia.)

Overall Retrofit Status:	P	**Total Number of Columns:**	**09-11Rank:** 27
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:**
Superstructure Retrofit Status:	C		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $387,414.50

Estimated Total Retrofit Project Cost: $774,829.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007459A **Bridge Number:** 005/517A	**Bridge Name:** S-W RAMP OC		**Route:** 5	**Milepost:** 152.48	**Region:** Northwest **County:** King
Location: 3.3 N JCT SR 516	**Longitude:** 122 ° 16 ' 12 "	**Latitude:** 47 ° 26 ' 6 "	**Structure Length:** 227 ft.		**Out to Out Width:** 37 ft.
Feature Intersected: S-W RAMP TO S 188TH ST	**PGA (500 yr):** 32.66 %g	**PGA (1000 yr):** 43.9% %g	**Span Type:** PCG		**Main Spans:** 4 **Appr. Spans:** 0
Year Built: 1964 **Year Rebuilt:** 0	**ADT:** 26700 **Truck Pct:** 14 %	**Detour Length:** 4 miles	**Skew Angle:** 30	**Pier Type:** Pier with more than two columns	**Footing Type:**

Bridge Notes:

Piers 2, 3 and 4, each has three 3'-0" diameter columns. #3 hoops @ 12". longitudinal bars with lap splices. Footing without top mat. (E-54m)

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2, 3 and 4. (3 ea. 9 total, 3' dia.)

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 45
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:**
Superstructure Retrofit Status:	N		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $227,238.00

Estimated Total Retrofit Project Cost: $454,476.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007401A **Bridge Number:** 005/518	**Bridge Name:** I-5 OC, S 178TH ST		**Route:** 5	**Milepost:** 153.15	**Region:** Northwest **County:** King
Location: 4.0 N JCT SR 516	**Longitude:** ° ' " 122 16 0	**Latitude:** ° ' " 47 26 36	**Structure Length:** 322 ft.		**Out to Out Width:** 33.6 ft.
Feature Intersected: I-5	**PGA (500 yr):** 32.73 %g	**PGA (1000 yr):** 44.2% %g	**Span Type:** PCG		**Main Spans:** 4 **Appr. Spans:** 0
Year Built: 1964 **Year Rebuilt:** 0	**ADT:** 15000 **Truck Pct:** 1 %	**Detour Length:** 4 miles	**Skew Angle:** 99	**Pier Type:** Pier with three columns	**Footing Type:** Spread

Bridge Notes:

Piers 2, 3 and 4, each has three 3'-0" diameter columns. #3 hoops @ 12". longitudinal bars with lap splices. Footing without top mat. (E-54m).

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2, 3 and 4. (3 ea. 9 total, 3' dia.)

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 46
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:**
Superstructure Retrofit Status:	N		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $206,750.50

Estimated Total Retrofit Project Cost: $413,501.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007401D **Bridge Number:** 005/520W	**Bridge Name:** KLICKITAT DR OC		**Route:** 5	**Milepost:** 154.13	**Region:** Northwest **County:** King
Location: 5.0 N JCT SR 516	**Longitude:** ° ' " 122 15 52.1	**Latitude:** ° ' " 47 27 28.9	**Structure Length:** 163 ft.		**Out to Out Width:** 81.7 ft.
Feature Intersected: KLICKITAT DR	**PGA (500 yr):** 32.83 %g	**PGA (1000 yr):** 44.6% %g	**Span Type:** PCG		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1965 **Year Rebuilt:** 1997 **ADT:** 102000 **Truck Pct:** 15 %	**Detour Length:** 5 miles	**Skew Angle:** 0	**Pier Type:** Pier with more than two columns		**Footing Type:**

Bridge Notes:

Retrofit five 3'-0" diameter columns at Piers 2 and 3. These columns have #3 hoops @ 12". Longitudinal bars with lap splices. Footing without top mat. (E-54m)

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (5 ea. 10 total, 3' dia.)

Overall Retrofit Status:	P	**Total Number of Columns:**	**09-11Rank:** 15
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2014
Superstructure Retrofit Status:	C		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $219,252.00

Estimated Total Retrofit Project Cost: $438,504.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007401E **Bridge Number:** 005/521E	**Bridge Name:** E-N S-N RAMPS OC		**Route:** 5	**Milepost:** 154.52	**Region:** Northwest **County:** King
Location: 5.2 N JCT SR 516	**Longitude:** ° ' " 122 15 48	**Latitude:** ° ' " 47 27 42	**Structure Length:** 217 ft.		**Out to Out Width:** 71.6 ft.
Feature Intersected: I-405 E-E S-E RAMP	**PGA (500 yr):** 32.85 %g	**PGA (1000 yr):** 44.6% %g	**Span Type:** PCG		**Main Spans:** 4 **Appr. Spans:** 0
Year Built: 1966 **Year Rebuilt:** 0 **ADT:** 102000 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 0	**Pier Type:** Pier with more than two columns		**Footing Type:** Timber pile

Bridge Notes:

Piers 2, 3 and 4, each has four 3'-0" diameter columns. #3 hoops @ 12". longitudinal bars with lap splices. Footing without top mat. (E-54m)

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2, 3 and 4. (4 ea. 12 total, 3' dia.)

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 16
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2014
Superstructure Retrofit Status:	N		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Moderate to High

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $284,487.50

Estimated Total Retrofit Project Cost: $568,975.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007401F **Bridge Number:** 005/521W	**Bridge Name:** E-N RAMP OC		**Route:** 5	**Milepost:** 154.52	**Region:** Northwest **County:** King
Location: 5.2 N JCT SR 516	**Longitude:** ° ' " 122 15 54	**Latitude:** ° ' " 47 27 42	**Structure Length:** 146 ft.		**Out to Out Width:** 81.6 ft.
Feature Intersected: I-405 E-E RAMP	**PGA (500 yr):** 32.87 %g	**PGA (1000 yr):** 44.7% %g	**Span Type:** PCG		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1966 **Year Rebuilt:** 0 **ADT:** 102000 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 13	**Pier Type:** Pier with more than two columns		**Footing Type:** Timber pile

Bridge Notes:

Piers 2 and 3, each has four 3'-0" diameter columns. #3 hoops @ 12". longitudinal #9 bars with 3'-4" lap splices. Footing without top mat.

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (4 ea. 8 total, 3' dia.)

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 17
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2014
Superstructure Retrofit Status:	N		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Moderate to High

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $185,872.50

Estimated Total Retrofit Project Cost: $371,745.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007618E **Bridge Number:** 005/528	**Bridge Name:** I-5 OC, S 107TH ST		**Route:** 5	**Milepost:** 158.01	**Region:** Northwest **County:** King
Location: 0.5 N JCT SR 900	**Longitude:** ° ' " 122 17 12	**Latitude:** ° ' " 47 30 27	**Structure Length:** 337 ft.		**Out to Out Width:** 89.8 ft.
Feature Intersected: I-5	**PGA (500 yr):** 33.27 %g	**PGA (1000 yr):** 46.0% %g	**Span Type:** PCG		**Main Spans:** 5 **Appr. Spans:** 0
Year Built: 1966 **Year Rebuilt:** 0	**ADT:** 31000 **Truck Pct:** 1 %	**Detour Length:** 4 miles	**Skew Angle:** 22	**Pier Type:** Pier with more than two columns	**Footing Type:**

Bridge Notes:

Piers 2, 3, 4 and 5, each has five 3'-0" diameter columns. #3 hoops @ 12". longitudinal #8 bars spliced at top of footing. Footing without top mat.

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2, 3, 4 and 5. (5 ea. 20 total, 3' dia.)

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 44
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:**
Superstructure Retrofit Status:	N		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Bedrock

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $494,219.00

Estimated Total Retrofit Project Cost: $988,438.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007617C **Bridge Number:** 005/531E	**Bridge Name:** MILITARY RD OC		**Route:** 5	**Milepost:** 159.67	**Region:** Northwest **County:** King
Location: 2.2 N JCT SR 900	**Longitude:** ° ' " 122 17 37.3	**Latitude:** ° ' " 47 31 49.7	**Structure Length:** 161 ft.		**Out to Out Width:** 83 ft.
Feature Intersected: MILITARY RD ROSE ST	**PGA (500 yr):** 33.42 %g	**PGA (1000 yr):** 46.3% %g	**Span Type:** CS		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1966 **Year Rebuilt:** 1991	**ADT:** 106000 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 13	**Pier Type:** Pier with more than two columns	**Footing Type:** Steel pile

Bridge Notes:

Piers 2 and 3, each has five 3'-0" diameter columns. Retrofit four west columns only. These columns have #4 hoops @ 12". longitudinal #9 bars with 3'-4" lap splices. Footings without top mat.

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (4 ea. 8 total, 3' dia.)

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 11
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2014
Superstructure Retrofit Status:	N		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $234,894.00

Estimated Total Retrofit Project Cost: $469,788.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007617D **Bridge Number:** 005/531W	**Bridge Name:** MILITARY RD OC		**Route:** 5	**Milepost:** 159.67	**Region:** Northwest **County:** King
Location: 2.2 N JCT SR 900	**Longitude:** 122 ° 17 ' 36 "	**Latitude:** 47 ° 31 ' 48 "	**Structure Length:** 149 ft.		**Out to Out Width:** 81 ft.
Feature Intersected: MILITARY RD ROSE ST	**PGA (500 yr):** 33.42 %g	**PGA (1000 yr):** 46.3% %g	**Span Type:** CS		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1966 **Year Rebuilt:** 1995	**ADT:** 106000 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 0	**Pier Type:** Pier with more than two columns	**Footing Type:**

Bridge Notes:

Piers 2 and 3, each has five 3'-0" diameter columns. Retrofit four east columns only. These columns have #4 hoops @ 12". longitudinal #9 bars with 3'-4" lap splices. Footings without top mat.

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (4 ea. 8 total, 3' dia.)

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 12
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2014
Superstructure Retrofit Status:	N		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $214,373.50

Estimated Total Retrofit Project Cost: $428,747.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007734B **Bridge Number:** 005/534E	**Bridge Name:** LUCILE ST OC		**Route:** 5	**Milepost:** 161.27	**Region:** Northwest **County:** King
Location: 3.9 N JCT SR 900	**Longitude:** ° ' " 122 19 0	**Latitude:** ° ' " 47 33 12	**Structure Length:** 172 ft.		**Out to Out Width:** 93.6 ft.
Feature Intersected: LUCILE ST	**PGA (500 yr):** 33.61 %g	**PGA (1000 yr):** 46.7% %g	**Span Type:** CS		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1966 **Year Rebuilt:** 0	**ADT:** 106000 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 22	**Pier Type:** Pier with more than two columns	**Footing Type:**

No Photo Available

Bridge Notes:

Piers 2 and 3, each has five 3'-0" diameter columns. #4 hoops @ 12". longitudinal #9 bars with 3'-4" lap splices. Footing without top mat.

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (5 ea. 10 total, 3' dia.). Install catcher blocks at piers 1 and 4.

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 13
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2014
Superstructure Retrofit Status:	R		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Bedrock

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $469,782.50

Estimated Total Retrofit Project Cost: $939,565.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007734C **Bridge Number:** 005/534W	**Bridge Name:** LUCILE ST OC		**Route:** 5	**Milepost:** 161.27	**Region:** Northwest **County:** King
Location: 4.1 N JCT SR 900	**Longitude:** ° ' " 122 19 6.2	**Latitude:** ° ' " 47 33 11.5	**Structure Length:** 190 ft.		**Out to Out Width:** 79 ft.
Feature Intersected: LUCILE ST	**PGA (500 yr):** 33.61 %g	**PGA (1000 yr):** 46.7% %g	**Span Type:** CS		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1966 **Year Rebuilt:** 1995 **ADT:** 106000 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 22	**Pier Type:** Pier with more than two columns		**Footing Type:**

Bridge Notes:

Piers 2 and 3, each has five 3'-0" diameter columns. Retrofit four east columns per pier only. These columns have #4 hoops @ 12". longitudinal #9 bars with 3'-4" lap splices. Footing without top mat.

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (4 ea. 8 total, 3' dia.). 12' excavation. Install catchers and stops at Piers 1 and 4 (22 degree skew).

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 14
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2014
Superstructure Retrofit Status:	R		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Bedrock

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $440,605.00

Estimated Total Retrofit Project Cost: $881,210.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007816B **Bridge Number:** 005/535W	**Bridge Name:** SB VIADUCT STA 2032	**Route:** 5	**Milepost:** 162.24	**Region:** Northwest **County:** King
Location: 4.5 N JCT SR 900	**Longitude:** ° ' " 122 19 18.8	**Latitude:** ° ' " 47 33 47	**Structure Length:** 604 ft.	**Out to Out Width:** 73 ft.
Feature Intersected: SB VIADUCT STA 2032	**PGA (500 yr):** 33.55 %g	**PGA (1000 yr):** 46.4% %g	**Span Type:** PCG	**Main Spans:** 6 **Appr. Spans:** 0
Year Built: 1966 **Year Rebuilt:** 1992 **ADT:** 118000 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 0	**Pier Type:** Pier with more than two columns	**Footing Type:**

Bridge Notes:

Piers 2 thru 5, each has six 4'-0" diameter columns. Pier 6 has six 4-6" diameter columns. Retrofit four center columns per pier at piers 2 thru 5 only. These columns have #4 hoops @ 12". longitudinal bars with lap or/and welded splices. Footing with top mat. Pier 6 has four 4'-6" (O.D.) x 5" wall prestressed concrete piles, filled with cylinder concrete after piles are set in place. No retrofit recommended.

Retrofit Program Notes:

Widened in 1992. Adds one 4'-0" diameter shaft column on each side of the existing 4 columns at piers 2 thru 5 and one 4'-6" diameter shaft column on each side of the existing 4 columns at pier 6.

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2, 3, 4 and 5. (4 ea. 16 total, 4' dia.). Deep excavation (38' max.)

Overall Retrofit Status:	P	**Total Number of Columns:**	**09-11Rank:** 10
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2012
Superstructure Retrofit Status:	C		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $1,637,762.50

Estimated Total Retrofit Project Cost: $3,275,525.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007741A **Bridge Number:** 005/536E	**Bridge Name:** NB VIADUCT STA 2064		**Route:** 5	**Milepost:** 162.98	**Region:** Northwest **County:** King
Location: 5.2 N JCT SR 900	**Longitude:** ° ' " 122 19 12.5	**Latitude:** ° ' " 47 34 10.5	**Structure Length:** 746 ft.		**Out to Out Width:** 58.8 ft.
Feature Intersected: NB VIADUCT STA 2064	**PGA (500 yr):** 33.42 %g	**PGA (1000 yr):** 46.1% %g	**Span Type:** CS		**Main Spans:** 18 **Appr. Spans:** 0
Year Built: 1966 **Year Rebuilt:** 1992	**ADT:** 98500 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 0	**Pier Type:** Pier with more than two columns	**Footing Type:** Drilled shaft

No Photo Available

Bridge Notes:

Piers 2 thru 8, each has four 3'-0" dia. columns on 3'-6" dia. drilled shafts. Pier 9 thru 18, each has four columns. Retrofit three west columns only. These columns are 3'-0" dia. columns on 3'-6" dia. drilled shafts. Hoops are #4 @ 12". Longitudinal bars insert 5'-0" into drilled shafts. Max. span length = 42'.

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit 51 columns built in 1966 (on drilled shaft, 3' dia.)

Overall Retrofit Status:	P	**Total Number of Columns:**	**09-11Rank:** 20
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2014
Superstructure Retrofit Status:	C		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $742,120.50

Estimated Total Retrofit Project Cost: $1,484,241.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007741B **Bridge Number:** 005/536W	**Bridge Name:** SB VIADUCT STA 2064		**Route:** 5	**Milepost:** 162.98	**Region:** Northwest **County:** King
Location: 5.2 N JCT SR 900	**Longitude:** ° ' " 122 19 6	**Latitude:** ° ' " 47 34 18	**Structure Length:** 746 ft.		**Out to Out Width:** 53.7 ft.
Feature Intersected: SB VIADUCT STA 2064	**PGA (500 yr):** 33.42 %g	**PGA (1000 yr):** 46.0% %g	**Span Type:** CS		**Main Spans:** 18 **Appr. Spans:** 0
Year Built: 1967 **Year Rebuilt:** 1992	**ADT:** 98500 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 0	**Pier Type:** Pier with more than two columns	**Footing Type:** Drilled shaft

No Photo Available

Bridge Notes:

Piers 2 thru 5, each has four 3'-0" dia. columns on 3'-6" dia. drilled shafts. Pier 6 thru 18, each has three 3'-0" dia. columns on 3'-6" dia. drilled shafts. Hoops are #4 @ 12". Longitudinal bars insert 5'-0" into drilled shafts. Max. span length = 42'.

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit 55 columns built in 1967 (on drilled shaft, 3' dia.)

Overall Retrofit Status:	P	**Total Number of Columns:**	**09-11Rank:** 21
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2014
Superstructure Retrofit Status:	C		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $964,887.00

Estimated Total Retrofit Project Cost: $1,929,774.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007741R **Bridge Number:** 005/537N	**Bridge Name:** S-E RAMP WB LANES		**Route:** 5	**Milepost:** 162.99	**Region:** Northwest **County:** King
Location: 5.5 N JCT SR 900	**Longitude:** ° ' " 122 19 6	**Latitude:** ° ' " 47 34 24	**Structure Length:** 2885 ft.		**Out to Out Width:** 32.6 ft.
Feature Intersected: I-5	**PGA (500 yr):** 33.41 %g	**PGA (1000 yr):** 46.0% %g	**Span Type:** CBox		**Main Spans:** 34 **Appr. Spans:** 0
Year Built: 1967 **Year Rebuilt:** 0	**ADT:** 43328 **Truck Pct:** 5 %	**Detour Length:** 99 miles	**Skew Angle:** 0	**Pier Type:** Single Column Pier	**Footing Type:** Concrete Pile

No Photo Available

No Photo Available

Bridge Notes:

Piers 2 thru 9, each has a 5' diameter column on 6' diameter drilled shaft. Piers 10 and 11, each has two 4' diameter column on 5' diameter drilled shaft. Piers 12 thru 17, each has a 5' diameter column on 6' diameter drilled shaft. Pier 18 has two 5'-0" dia. columns on pile foundation. Pier 19 has three 5' dia. columns on pile foundations. Piers 20 and 21, each has three 4' dia. columns on pile foundations. Piers 22, 23,24, 25, each has two 4' dia. columns on pile foundations. Piers 24 and 26 has a 4' dia. columns on pile foundations. #4 Hoops @12". Splices at top of shafts or footings.

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns built in 1967 at Piers 10, 11, 18-25, and 27-34. (42 total, 4' dia. except 2-5' dia. columns at Pier 18.)

Overall Retrofit Status:	P	**Total Number of Columns:**	**09-11Rank:** 41
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:**
Superstructure Retrofit Status:	C		
Single Column Pier Status:	C		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $1,272,892.50

Estimated Total Retrofit Project Cost: $2,545,785.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007741T **Bridge Number:** 005/537S	**Bridge Name:** EB LANES I-5 OC		**Route:** 5	**Milepost:** 163	**Region:** Northwest **County:** King
Location: 5.5 N JCT SR 900	**Longitude:** ° ' " 122 19 6	**Latitude:** ° ' " 47 34 18	**Structure Length:** 1793 ft.		**Out to Out Width:** 32.6 ft.
Feature Intersected: I-5	**PGA (500 yr):** 33.42 %g	**PGA (1000 yr):** 46.0% %g	**Span Type:** CBox		**Main Spans:** 20 **Appr. Spans:** 0
Year Built: 1966 **Year Rebuilt:** 0	**ADT:** 31525 **Truck Pct:** 5 %	**Detour Length:** 4 miles	**Skew Angle:** 0	**Pier Type:** Single Column Pier	**Footing Type:** Concrete Pile

No Photo Available

No Photo Available

Bridge Notes:

Piers 2 thru 4, each has a 5' column on 6' shaft. Pier 5 has three 4' columns on 5' shafts. Piers 6 thru 9, each has two 4' columns on 5' shafts. Piers 10 thru 13, 17, 19 and 20, each has two 4' columns on pile footings. Piers 14 and 18, each has three 4' columns on pile footings. Piers 15, 16 and 21, each has a 5' column on pile footing. #4 hoops @ 12". Lap splices on either top of shafts or pile footings. No top mat.

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 5-14 and 17-20. (31 total, 4' dia.)

Overall Retrofit Status:	P	**Total Number of Columns:**		**09-11Rank:**	42
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**		**Expected Start Year:**	
Superstructure Retrofit Status:	C				
Single Column Pier Status:	C				
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low		

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $918,863.00

Estimated Total Retrofit Project Cost: $1,837,726.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007741C **Bridge Number:** 005/538E	**Bridge Name:** NB VIADUCT STA 2075		**Route:** 5	**Milepost:** 162.98	**Region:** Northwest **County:** King
Location: 5.6 N JCT SR 900	**Longitude:** ° ' " 122 19 6	**Latitude:** ° ' " 47 34 30	**Structure Length:** 872 ft.		**Out to Out Width:** 60.7 ft.
Feature Intersected: NB VIADUCT STA 2075	**PGA (500 yr):** 33.39 %g	**PGA (1000 yr):** 45.9% %g	**Span Type:** CS		**Main Spans:** 21 **Appr. Spans:** 0
Year Built: 1966 **Year Rebuilt:** 1992	**ADT:** 98500 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 0	**Pier Type:** Pier with more than two columns	**Footing Type:** Drilled shaft

Bridge Notes:

Max. span length = 45'. 4 columns per pier. Retrofit columns built in 1966 only (three west columns per pier). Piers 11 thru 15, each has three 4' dia. columns on 5' dis. drilled shafts. Piers 2 thru 9 and 16 thru 21, each has three 3' dia. columns on 3'-6" dia. drilled shafts. #4 hoops @ 12". Piers 10 thru 17 have horizontal struts.

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 thru 21. (3 ea. 60 total, 3' dia. except P11-P15 3-4' dia. ea.)

Overall Retrofit Status:	P	**Total Number of Columns:**	**09-11Rank:** 22
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2014
Superstructure Retrofit Status:	C		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $1,437,859.50

Estimated Total Retrofit Project Cost: $2,875,719.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007741E **Bridge Number:** 005/539E	**Bridge Name:** NB VIADUCT STA 2085		**Route:** 5	**Milepost:** 163.24	**Region:** Northwest **County:** King
Location: 5.8 N JCT SR 900	**Longitude:** ° ' " 122 19 10.9	**Latitude:** ° ' " 47 34 34	**Structure Length:** 5825 ft.		**Out to Out Width:** 73 ft.
Feature Intersected: NB VIADUCT STA 2085	**PGA (500 yr):** 33.39 %g	**PGA (1000 yr):** 45.9% %g	**Span Type:** CS		**Main Spans:** 138 **Appr. Spans:** 0
Year Built: 1966 **Year Rebuilt:** 1992	**ADT:** 98500 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 0	**Pier Type:** Pier with more than two columns	**Footing Type:** Drilled shaft

No Photo Available

No Photo Available

Bridge Notes:

Retrofit columns built in 1966 only. Piers 2 thru 10, each has five 3' columns on 4' shafts. Piers 11, 12, 95 thru 103 and 114 thru 127, each has five 3' columns on 3'-6" shafts. Piers 13 thru 94, each has four 3' columns on 3'-6" shafts. Piers 104 thru 114, each has six 3' columns on 3'-6" shafts. Piers 115 thru 120 and 128 thru 138, each has three 3' columns on 3'-6" shafts. #4 hoops @12". Horizontal struts at piers 15 thru 19 and 56 thru 78. Lap splices at top of drilled shafts and top of horizontal struts.

Retrofit Program Notes:

Columns of bridge 5/539NCD are to be included with this bridge.

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit 577 columns. (includes bridge 5/539NCD, 3' dia.)

Overall Retrofit Status:	P	**Total Number of Columns:**	**09-11Rank:** 23
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2016
Superstructure Retrofit Status:	C		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $8,584,246.00

Estimated Total Retrofit Project Cost: $17,168,492.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007741D **Bridge Number:** 005/539W	**Bridge Name:** SB VIADUCT STA 2075	**Route:** 5	**Milepost:** 162.98	**Region:** Northwest **County:** King
Location: 5.8 N JCT SR 900	**Longitude:** ° ' " 122 19 6	**Latitude:** ° ' " 47 34 30	**Structure Length:** 6622 ft.	**Out to Out Width:** 71 ft.
Feature Intersected: SB VIADUCT STA 2075	**PGA (500 yr):** 33.39 %g	**PGA (1000 yr):** 45.9% %g	**Span Type:** CS	**Main Spans:** 157 **Appr. Spans:** 0
Year Built: 1967 **Year Rebuilt:** 1992 **ADT:** 98500 **Truck Pct:** 15 %	**Detour Length:** 1 miles	**Skew Angle:** 0	**Pier Type:** Pier with more than two columns	**Footing Type:** Drilled shaft

Bridge Notes:

Columns on drilled shafts. Contract 7741: Piers 2 thru 10, 16 thru 30, retrofit four columns each pier (3' dia. column on 3'-6" dia. drilled shaft), pier 11 thru 15, (four 4' dia. column on 5'-0" dia. drilled shaft). Piers 9 thru 18 haves horizontal struts. Contract 7686: piers 25 thru 152, 3' dia. Columns except East columns at Piers 146 thru 152 are 4' diameter. Max. span =42'.

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at piers 2 thru 152 (628 total, 3' dia. except P11-P15, 2-4' dia. ea.).

Overall Retrofit Status:	P	**Total Number of Columns:**	**09-11Rank:** 24
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:**
Superstructure Retrofit Status:	C		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $9,794,911.50

Estimated Total Retrofit Project Cost: $19,589,823.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0006080A **Bridge Number:** 005/570	**Bridge Name:** LAKE WASH SHIP CANAL		**Route:** 5	**Milepost:** 169.63	**Region:** Northwest **County:** King
Location: 0.7 N JCT SR 520	**Longitude:** ° ' " 122 19 18	**Latitude:** ° ' " 47 39 12	**Structure Length:** 4429 ft.		**Out to Out Width:** 182 ft.
Feature Intersected: LAKE WASH SHIP CANAL	**PGA (500 yr):** 32.05 %g	**PGA (1000 yr):** 42.4% %g	**Span Type:** STrus CBox CS		**Main Spans:** 6 **Appr. Spans:** 28
Year Built: 1962 **Year Rebuilt:** 0	**ADT:** 200000 **Truck Pct:** 15 %	**Detour Length:** 2 miles	**Skew Angle:** 0	**Pier Type:** Double Column Pier	**Footing Type:**

No Photo Available

Bridge Notes:

N.B.: Piers 2, 3, 4, 6, 7, 8, each has three 2'-6" sq. columns (E. cols w/2hinges). Pier 5 has three Split columns (2-2'6"x1'9"&2" gap, E. col. has two hinges). Pier 9 has three Split columns (2'6"x1'9", 2'6"x2'3" &2" gap). S.B.: Piers 2, 3, 4, 6, 7, 8, each has three 2'-6" sq. columns (W. cols w/2hinges). Pier 5 has three Split columns (2-2'6"x1'9"&2" gap). Pier 9 has three Split columns (2'6"x1'9", 2'6"x2'3" &2" gap).

Retrofit Program Notes:

Stage 1 and 2 retrofit completed. Needs Site visit to confirm number of columns to be retrofit in stage 3.

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

1. Stage 1: 11/94, Contract 14599. Install longitudinal restrainers, column bumpers, column restrainers at Piers 18 and 24. Install longitudinal restrainers, compression bumpers, and bearing collars at piers 19, 20, and 23. Install bearing collars at pier 21. Install bearing collars and longitudinal restrainers at pier 22. Reinforce bottom chord connections at panel points L1 and L2.
2. Stage 2: 05/99, Contract 15641. Install steel jackets for columns at piers 10 thru 18, 24 thru 31. Modify columns and replace

Remaining Retrofit Notes:

Stage 3. Retrofit columns at SB Piers 2-9, 30-32 and NB Piers 31-34 (35 total, column size vary).

Overall Retrofit Status:	P	**Total Number of Columns:**		**09-11Rank:**	5
Special Br. Retrofit Status:	P	**No. of Wet Retrofitted Columns:**		**Expected Start Year:**	2012
Superstructure Retrofit Status:	N				
Single Column Pier Status:	N				
Multi Column Pier Status:	N	**DNR Liquifaction Susceptibility:**	high		

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $2,479,911.50

Estimated Total Retrofit Project Cost: $4,959,823.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0005738B **Bridge Number:** 008/104N	**Bridge Name:** SR 101 OC MUD BAY		**Route:** 8	**Milepost:** 20.63	**Region:** Olympic **County:** Thurston
Location: 10.1 E GRAYS HB	**Longitude:** 123 ° 0 ' 42 "	**Latitude:** 47 ° 4 ' 30 "	**Structure Length:** 186 ft.		**Out to Out Width:** 33 ft.
Feature Intersected: US 101	**PGA (500 yr):** 29.98 %g	**PGA (1000 yr):** 39.3% %g	**Span Type:** CBox		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1958 **Year Rebuilt:** 1981	**ADT:** 16000 **Truck Pct:** 10 %	**Detour Length:** 1 miles	**Skew Angle:** 0	**Pier Type:** Single Column Pier	**Footing Type:**

Bridge Notes:

Piers 2 and 3, each has a 5'-0" diameter column on spread footing. Ties are #4 @ 12". Vertical #11 bars have 2'-4" lap splices at top of footing. Footings have no top mat. End piers, 1 and 4, are cantilever "L" abutments. Each abutment has two rocker bearings.

Retrofit Program Notes:

To be completed under PIN 300813A. To go to ad in 2009.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Install Col. Jacket at Piers 2 and 3. Excavate to top of Footings. Install Catcher Blocks & Transv. Restrainers at Piers 1 & 4.

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 1
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2009
Superstructure Retrofit Status:	R		
Single Column Pier Status:	R		
Multi Column Pier Status:	N	**DNR Liquifaction Susceptibility:**	very low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $97,938.50

Estimated Total Retrofit Project Cost: $195,877.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0005738A **Bridge Number:** 008/104S	**Bridge Name:** SR 101 OC MUD BAY		**Route:** 8	**Milepost:** 20.63	**Region:** Olympic **County:** Thurston
Location: 10.1 E GRAYS HB	**Longitude:** 123 ° 0 ' 42 "	**Latitude:** 47 ° 4 ' 30 "	**Structure Length:** 186 ft.		**Out to Out Width:** 33 ft.
Feature Intersected: SR 101 MUD BAY	**PGA (500 yr):** 29.98 %g	**PGA (1000 yr):** 39.3% %g	**Span Type:** CBox		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1958 **Year Rebuilt:** 1981	**ADT:** 16000 **Truck Pct:** 10 %	**Detour Length:** 1 miles	**Skew Angle:** 0	**Pier Type:** Single Column Pier	**Footing Type:**

Bridge Notes:

Piers 2 and 3, each has a 5'-0" diameter column on spread footing. Ties are #4 @ 12". Vertical #11 bars have 2'-4" lap splices at top of footing. Footings have no top mat. End piers, 1 and 4, are cantilever "L" abutments. Each abutment has two rocker bearings.

Retrofit Program Notes:

To be completed under PIN 300813A. To go to ad in 2009.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Install Col. Jacket at Piers 2 and 3. Excavate to top of Footings. Install Catcher Blocks & Transv. Restrainers at Piers 1 & 4.

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 1
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2009
Superstructure Retrofit Status:	R		
Single Column Pier Status:	R		
Multi Column Pier Status:	N	**DNR Liquifaction Susceptibility:**	very low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $89,545.50

Estimated Total Retrofit Project Cost: $179,091.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0005492A **Bridge Number:** 009/128	**Bridge Name:** GETCHELL BRIDGE		**Route:** 9	**Milepost:** 21.09	**Region:** Northwest **County:** Snohomish
Location: 1.8 N JCT SR 528	**Longitude:** ° ' " 122 6 36	**Latitude:** ° ' " 48 4 48	**Structure Length:** 243 ft.		**Out to Out Width:** 34.6 ft.
Feature Intersected: PEDESTRAIN TRAIL	**PGA (500 yr):** 26.01 %g	**PGA (1000 yr):** 34.1% %g	**Span Type:** CBox		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1957 **Year Rebuilt:** 0 **ADT:** 12000 **Truck Pct:** 15 %	**Detour Length:** 6 miles	**Skew Angle:** 0	**Pier Type:** Single Column Pier		**Footing Type:**

Bridge Notes:

Piers 2 and 3, each has a 5'-0" diameter column. These columns have #4 hoops @ 12". Vertical #11 bars have 2'-4" min. lap splices at top of footing. Footing without top mat. End piers, 1 and 4, each has two 30" square columns with hinges at top of columns.

Retrofit Program Notes:

Retrofit programmed under PIN 100923C

Completed Retrofit Notes:

Remaining Retrofit Notes:

Install Column Jacket at Piers 2 and 3. Excavate to top of Footings.

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 1
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2009
Superstructure Retrofit Status:	N		
Single Column Pier Status:	R		
Multi Column Pier Status:	N	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $81,306.50

Estimated Total Retrofit Project Cost: $162,613.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007406A **Bridge Number:** 012/114	**Bridge Name:** BN RR OC (NP)		**Route:** 12	**Milepost:** 44.92	**Region:** Olympic **County:** Thurston
Location: 6.1 E GRAYS HBR	**Longitude:** 123 ° 2 ' 12 "	**Latitude:** 46 ° 48 ' 6 "	**Structure Length:** 261 ft.		**Out to Out Width:** 32.6 ft.
Feature Intersected: NP RY	**PGA (500 yr):** 26.34 %g	**PGA (1000 yr):** 34.7% %g	**Span Type:** CS		**Main Spans:** 5 **Appr. Spans:** 0
Year Built: 1964 **Year Rebuilt:** 0	**ADT:** 8500 **Truck Pct:** 14 %	**Detour Length:** 2 miles	**Skew Angle:** 0	**Pier Type:** Single Column Pier	**Footing Type:**

Bridge Notes:

Piers 2 thru 5, each has a 4'-0" diameter column on spread footings. These columns have #4 hoops @ 12". Vertical #11 bars have 4'-2" min. lap splices at top of footing. Footing without top mat. End piers, 1 and 6 are stub "L" abutments with laminated elastomeric bearing pads.

Retrofit Program Notes:

Engineering analysis needed to determine bridge elements requiring retrofit. Cost estimate based on an assumption to retrofit columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Install Column Jacket at Piers 2, 3, 4 and 5. Excavate to top of Footings.

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 3
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2010
Superstructure Retrofit Status:	N		
Single Column Pier Status:	R		
Multi Column Pier Status:	N	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $102,102.00

Estimated Total Retrofit Project Cost: $204,204.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0005166A **Bridge Number:** 020/015	**Bridge Name:** SNC RR OC (CMSTPP)		**Route:** 20	**Milepost:** 9.16	**Region:** Olympic **County:** Jefferson
Location: 9.2 E JCT US 101	**Longitude:** ° ' " 122 48 58	**Latitude:** ° ' " 48 5 25	**Structure Length:** 228 ft.		**Out to Out Width:** 30 ft.
Feature Intersected: CMSTPP RR (ABANDONED)	**PGA (500 yr):** 30.38 %g	**PGA (1000 yr):** 40.1% %g	**Span Type:** CS		**Main Spans:** 4 **Appr. Spans:** 0
Year Built: 1956 **Year Rebuilt:** 0	**ADT:** 16000 **Truck Pct:** 10 %	**Detour Length:** 2 miles	**Skew Angle:** 0	**Pier Type:** Single Column Pier	**Footing Type:**

Bridge Notes:

Intermediate Piers, Piers 2, 3 and 4, each has a 4'-0" diameter column on spread footing. #4 hoops spaced at 12" spacing. Vertical #13 bars have 2'-10" lap splices at top of footings. Footings have no top mat. End Piers 1 and 5, each has two 2'-0" square columns on combined spread footing. Hinge at top of column.

Retrofit Program Notes:

Engineering analysis needed to determine bridge elements requiring retrofit. Cost estimate based on an assumption to retrofit columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Install Column Jacket at Piers 2, 3 and 4 (1 ea. 3 total, 4' dia.). Excavate to top of Footings.

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 2
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2010
Superstructure Retrofit Status:	N		
Single Column Pier Status:	R		
Multi Column Pier Status:	N	**DNR Liquifaction Susceptibility:**	Very Low to Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $83,292.00

Estimated Total Retrofit Project Cost: $166,584.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007967A **Bridge Number:** 099/507E	**Bridge Name:** SR 599 OC		**Route:** 99	**Milepost:** 22.94	**Region:** Northwest **County:** King
Location: 2.4 N JCT SR 518	**Longitude:** ° ' " 122 17 35.6	**Latitude:** ° ' " 47 29 49	**Structure Length:** 263 ft.		**Out to Out Width:** 26.4 ft.
Feature Intersected: SR 599	**PGA (500 yr):** 33.39 %g	**PGA (1000 yr):** 45.9% %g	**Span Type:** PCG		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1966 **Year Rebuilt:** 0	**ADT:** 4973 **Truck Pct:** 5 %	**Detour Length:** 2 miles	**Skew Angle:** 99	**Pier Type:** Double Column Pier	**Footing Type:** Concrete Pile

No Photo Available

Bridge Notes:

Intermediate Piers 2 and 3, each has two 3'-0" diameter columns on pile footings. These columns have #4 hoops @ 12". Vertical #11 bars have 4'-2" lap splices at top of footing. Footing without top mat. End piers, 1 and 4, are "L" abutments on piles.

Retrofit Program Notes:

Engineering analysis is needed to determine which elements of the bridge require retrofit. Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at Piers 2 and 3. (2 ea. 4 total, 3' dia.)

Overall Retrofit Status:	P	**Total Number of Columns:**	**09-11Rank:** 1
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:**
Superstructure Retrofit Status:	C		
Single Column Pier Status:	N		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Moderate to High

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $91,976.50

Estimated Total Retrofit Project Cost: $183,953.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0009121A **Bridge Number:** 101/427	**Bridge Name:** US 101 OC, LOST LK RD		**Route:** 101	**Milepost:** 348.08	**Region:** Olympic **County:** Mason
Location: 4.5 S JCT SR 102	**Longitude:** 123 ° 6 ' 30 "	**Latitude:** 47 ° 11 ' 30 "	**Structure Length:** 251 ft.		**Out to Out Width:** 29 ft.
Feature Intersected: US 101	**PGA (500 yr):** 31.09 %g	**PGA (1000 yr):** 40.6% %g	**Span Type:** PCG		**Main Spans:** 2 **Appr. Spans:** 0
Year Built: 1972 **Year Rebuilt:** 0	**ADT:** 949 **Truck Pct:** 10 %	**Detour Length:** 13 miles	**Skew Angle:** 0	**Pier Type:** Single Column Pier	**Footing Type:** Spread footing

Bridge Notes:

Pier 2 is a single column pier. Column section various, 4'-6"x 4'-6" at top of pedestal. 9'-0"x 4'-6" at bottom of X-beam. Vertical #11 bars have 7'-9" lap splices at top of pedestal. #4 hoops & #4 ties @ 6". Footing has top mat. End piers, 1 and 3, are cantilever abutments.

Retrofit Program Notes:

Column and footing has improved details. Column retrofit may not require. Retrofit programmed under PIN 310122C. Engineering Analysis is underway to determine if a retrofit is required.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Install Column Jacket at Pier 2. Excavate to top of footing.

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 1
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:**
Superstructure Retrofit Status:	N		
Single Column Pier Status:	R		
Multi Column Pier Status:	N	**DNR Liquifaction Susceptibility:**	Very Low

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $69,135.00

Estimated Total Retrofit Project Cost: $138,270.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0005827A **Bridge Number:** 107/004	**Bridge Name:** CHEHALIS R		**Route:** 107	**Milepost:** 6.83	**Region:** Olympic **County:** Grays Harbor
Location: 6.9 N JCT US 101	**Longitude:** ° ' " 123 36 11.2	**Latitude:** ° ' " 46 57 34.6	**Structure Length:** 1302 ft.		**Out to Out Width:** 32.8 ft.
Feature Intersected: CHEHALIS R	**PGA (500 yr):** 30.6 %g	**PGA (1000 yr):** 41.6% %g	**Span Type:** STrus CBox TTC		**Main Spans:** 1 **Appr. Spans:** 42
Year Built: 1958 **Year Rebuilt:** 0 **ADT:** 4392 **Truck Pct:** 16 %	**Detour Length:** 25 miles	**Skew Angle:** 0	**Pier Type:** Single Column Pier		**Footing Type:**

Bridge Notes:

South approach spans are timber trestle spans. Piers 1 and 4, each has two 2'-6"x5'-2" columns. Columns split to two 2'-6" sq. columns at El. 12.50. #3 hoops @ 12". Piers 2 and 3 are pier walls. Piers 5 and 6, each has a 5'-0" diameter column on pile footing. #4 hoops spaced at 12" spacing. Vertical #11 bars have 2'-4" lap splices at top of footings. Footings have no top mat.

Retrofit Program Notes:

Retrofit programed under PIN 310710B. Cost estimate based on an assumption to retrofit columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Retrofit columns at piers 2 and 5. (2 ea. 4 total, 30"x30" split columns). Install catcher blocks.

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 1
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2010
Superstructure Retrofit Status:	R		
Single Column Pier Status:	R		
Multi Column Pier Status:	R	**DNR Liquifaction Susceptibility:**	Moderate to High

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $133,232.00

Estimated Total Retrofit Project Cost: $266,464.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0009236D **Bridge Number:** 167/111W-N	**Bridge Name:** W-N RAMP N-E RAMP OC		**Route:** 167	**Milepost:** 14.28	**Region:** Northwest **County:** King
Location: 2.7 N PIERCE CO	**Longitude:** 122 ° 15 ' 12 "	**Latitude:** 47 ° 17 ' 54 "	**Structure Length:** 273 ft.		**Out to Out Width:** 29.5 ft.
Feature Intersected: SR 167	**PGA (500 yr):** 30.81 %g	**PGA (1000 yr):** 40.4% %g	**Span Type:** CBox		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1975 **Year Rebuilt:** 0 **ADT:** 10555 **Truck Pct:** 5 %	**Detour Length:** 1 miles	**Skew Angle:** 0	**Pier Type:** Single Column Pier		**Footing Type:** Timber pile

Bridge Notes:

Intermediate Piers, Piers 2 and 3, each has a 5'-0" diameter column on pile footing. #4 hoops spaced at 12" spacing. Vertical #18 bars have staggered field weld splices at 6'-7" above top of footings. Footings have no top mat. End Piers 1 and 4 are stub abutments.

Retrofit Program Notes:

SR 167 - 15th Street SW to 15th Street NW - HOV Nickel Project.
Retrofit programmed under PIN 116703T
This bridge was renumbered from 167/112N-E.

Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

The bridge number changed from 167/112N-E. 15th Ave SW to 15th NW HOV Lanes - Stage 3. N-E /W-N Ramp U'x 167/112N-E Widening & Column Seismic Retrofit. Br. Office Shelf.

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 1
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2009
Superstructure Retrofit Status:	N		
Single Column Pier Status:	R		
Multi Column Pier Status:	N	**DNR Liquifaction Susceptibility:**	Moderate to High

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $87,637.00

Estimated Total Retrofit Project Cost: $175,274.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0007789A **Bridge Number:** 410/115	**Bridge Name:** SCATTER CR		**Route:** 410	**Milepost:** 31.06	**Region:** Northwest **County:** King
Location: 6.2 E JCT SR 164	**Longitude:** ° ' " 121 52 24	**Latitude:** ° ' " 47 9 42	**Structure Length:** 250 ft.		**Out to Out Width:** 32.6 ft.
Feature Intersected: SCATTER CR	**PGA (500 yr):** 26.68 %g	**PGA (1000 yr):** 35.3% %g	**Span Type:** PCG		**Main Spans:** 3 **Appr. Spans:** 0
Year Built: 1965 **Year Rebuilt:** 0	**ADT:** 2958 **Truck Pct:** 16 %	**Detour Length:** 99 miles	**Skew Angle:** 0	**Pier Type:** Single Column Pier	**Footing Type:**

Bridge Notes:

End piers 1 and 4 are on 45 ton steel pile bents. Intermediate Piers, Piers 2 and 3, each has a 5'-0" diameter column on spread footing. #4 hoops spaced at 12" spacing. Vertical #11 bars have 4'-2" lap splices at top of footings. Footings have no top mat.

Retrofit Program Notes:

Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Install Column Jacket at Piers 2 and 3. Excavate to top of Footings. Replace Riprap.

Overall Retrofit Status:	R	**Total Number of Columns:**	**09-11Rank:** 4
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:**	**Expected Start Year:** 2010
Superstructure Retrofit Status:	N		
Single Column Pier Status:	R		
Multi Column Pier Status:	N	**DNR Liquifaction Susceptibility:**	Moderate to High

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $175,543.50

Estimated Total Retrofit Project Cost: $351,087.00

Washington State Department of Transportation
Bridge Seismic Retrofit Information

Structure ID: 0006980B **Bridge Number:** 522/138	**Bridge Name:** SNOHOMISH R		**Route:** 522	**Milepost:** 20.5	**Region:** Northwest **County:** Snohomish
Location: 6.6 E JCT SR 9	**Longitude:** ° ' " 122 2 56.6	**Latitude:** ° ' " 47 49 51.8	**Structure Length:** 1679 ft.		**Out to Out Width:** 35.6 ft.
Feature Intersected: SNOHOMISH R	**PGA (500 yr):** 27.67 %g	**PGA (1000 yr):** 36.3% %g	**Span Type:** SG CBox		**Main Spans:** 2 **Appr. Spans:** 7
Year Built: 1963 **Year Rebuilt:** 0 **ADT:** 17027 **Truck Pct:** 7 %	**Detour Length:** 14 miles	**Skew Angle:** 0	**Pier Type:** Single Column Pier		**Footing Type:**

Bridge Notes:

Pier 1 is spill through abutment with two 3'-6" x 3'-3" columns on spread footings. Columns have hinge at top. Piers 2 thru 9 are on spread Piers 2 and 4, each has a 8'-0" dia. Column with #5 hoops @ 6". Piers 5, 6 and 7, each has a 7'-0" dia. column with #4 hoops @ 6". Piers 8 and 9, each has a 6'-0" dia. column with #4 hoops @ 6". Pier 3 has a 10'-0" dia. column with # 6 hoops @ 12". All columns are on spread footings. Vertical bars have staggered field weld splices. Footings have no top mat. In span hinges at spans 2 and 3.

Retrofit Program Notes:

Seismic work needs to be coordinated with Snohomish River Bridge to SR2, Stage 5A Project that will build a parallel bridge. Retrofit programmed under PIN 152236A

Cost estimate is based on retrofitting the existing columns with steel jackets.

Completed Retrofit Notes:

Remaining Retrofit Notes:

Overall Retrofit Status:	P	**Total Number of Columns:**	**09-11Rank:** 1
Special Br. Retrofit Status:		**No. of Wet Retrofitted Columns:** 3	**Expected Start Year:** 2012
Superstructure Retrofit Status:	C		
Single Column Pier Status:	R		
Multi Column Pier Status:	N	**DNR Liquifaction Susceptibility:** Moderate to High	

C=Complete P=Partially Complet
R=Required N=Not Required
D=Differed X=Excluded I=In Progress

Estimated Total Bridge Item Cost: $1,129,095.00

Estimated Total Retrofit Project Cost: $2,258,190.00