

**APPENDIX C: SUMMARY OF DETERIORATION QUANTITIES
PER BENT AND SPAN**

BENT / SPAN No.	Superstructure		Substructure	
	SPALL	CRACK	SPALL	CRACK
	VOL feet ³	LENGTH lineal feet	VOL feet ³	LENGTH lineal feet
1	4.4	3	0	4
2	1.5	17	0	3.3
3	1.4	0	5.6	11.8
4	15.2	0	3.5	1.7
5	2.2	0	1.6	0
6	4.6	0	0	0
7	51.6	0	5.4	0
8	10.3	0	2.1	0
9	11.1	0	3.3	0
10	12	0	2.1	1
11	10.3	9.8	4.9	6.2
12	0.7	1	13	4.5
13	13.5	4	8.4	2
14	5.8	8	7	0
15	8.5	5	11.8	5
16	8.3	5	11.8	5
17	1.4	0	7.1	3
18	2.9	8	11.9	8.7
19	3.2	0	12	12.5
20	5.2	0	7.8	8
21	1.8	0.1	11.4	7.8
22	4.6	0	9.8	5
23	1.9	5.5	13.2	5.5
24	3.2	0	15.9	5
25	2.4	1.6	5.8	2.5
26	20	4	0	0
27	3.1	4	7.8	0
28	4.9	0	12.3	5
29	1.5	5	7.3	0
30	11.5	0	6.6	2
31	6.2	0	10.9	1
32	5.9	0	15.4	0
33	3.7	9.5	17.3	0.7
34	4.7	0	0	0
35	4	0	3.2	4
36	3.2	1.5	15.6	0
37	8.2	0	4.4	0
38	8.7	0	7.4	0
39	20	0	10	0
40	10	1	7.4	0
Sub-total	303.6	93	301	115.2

BENT / SPAN No.	Superstructure		Substructure	
	SPALL	CRACK	SPALL	CRACK
	VOL feet ³	LENGTH lineal feet	VOL feet ³	LENGTH lineal feet
41	4.9	0	7.7	1
42	12.5	0	9.7	2
43	4.8	0.5	2.6	8.3
44	47	7	0	0
45	21.5	0	16	3.7
46	27	2.5	10.7	16.5
47	4.5	0	19.4	2.5
48	17	0	16.2	4.2
49	1.6	2.1	4.9	9.5
50	1.9	0	10.2	6.2
51	3.8	0	2.1	0.5
52	3.4	0	18.7	0
53	3.7	0	13.3	3.3
54	2.9	0.5	16	4
55	3.6	0	15.8	4
56	4.2	0	13.9	3
57	3.1	1.2	15.5	0
58	2.8	1	8	23
59	13.6	2.8	16.5	6.5
60	5.7	1	14.3	0
61	2.7	0	10.9	3.2
62	4.8	0	13.1	11.7
63	3.8	0	12	0
64	5.2	0	14.5	0
65	4.4	2	12.7	2
66	4.5	0	20.6	6.5
67	6	1	19.7	7
68	4.8	1	15.7	1
69	10.1	0	17.1	0.9
70	1.9	0	25	6
71	6.5	0	8.1	0
72	2.3	0	18.4	2.7
73	11	0	16	0
74	7.3	0	16	0
75	10.7	0	12.9	1.7
76	5.1	0	16	5
77	3	0	13.6	0
78	3.4	0	11	20
79	3.3	0	14.1	0
80	1.9	0	12.6	9.5
Sub-total	292.2	22.6	531.5	175.4

BENT / SPAN No.	Superstructure		Substructure	
	SPALL	CRACK	SPALL	CRACK
	VOL feet ³	LENGTH lineal feet	VOL feet ³	LENGTH lineal feet
81	0.7	0	13.2	8
82	4.4	0	7.8	0
83	4.3	2	12.2	0
84	2.6	0	17.8	0
85	2	0	10	0
86	2	0	10	0
87	2	0	10.8	2.1
88	0.7	0	12.5	0
89	0.8	2	14.6	0
90	2.2	0	5.3	0
91	4.4	0	2.6	0
92	0.9	0	9	0
93	2.9	1	8.2	2.5
94	3.1	0	3.7	0
95	2	0	22.3	25
96	25.1	0	12.4	0
97	1.2	0	34.9	4
98	2.6	0	12.3	0
99	14.6	0	10.1	0
100	8.9	0	21.2	0
101	21.5	0	9.9	0
102	21.5	0	15.4	0
103	28.1	0	26.2	0
104	6.3	0	31.4	0
105	7.6	0	15.6	0
106	6.3	0	18.8	0
107	2.3	0	48.6	2.3
108	28.4	0	20	0
109	13.4	0	48.8	0
110	21.1	0	27.3	0
111	8.2	2.1	12.7	0
112	22.6	0	13.7	7.3
113	17.8	0	19.2	5
114	7.6	0	16.2	2
115	11.1	0	20.6	0
116	9.4	0	19.1	0
117	8.6	4	16.3	0
118	5.6	0	21.3	0
119	54.9	0	16.1	2
120	73.4	0	26.7	8.3
Sub-total	463.1	11.1	694.8	68.5

BENT / SPAN No.	Superstructure		Substructure	
	SPALL	CRACK	SPALL	CRACK
	VOL feet ³	LENGTH lineal feet	VOL feet ³	LENGTH lineal feet
121	96.4	0	21.8	0
122	81.9	0	20.6	0
123	42.4	0.3	3.2	12
124	1.6	0	0.2	19.8
125	5	0	0.6	8.8
126	1.3	0	4.7	10
127	1.1	0	1.3	16
128	1.5	0	1.4	14
128A	2.7	0	1.3	4.5
128B	0.9	0	0.4	15
129	2.3	0	95.8	81.5
130	122.7	0	273.9	37
131	45	0	104.4	46
132	52.9	0	41.9	9.9
133	48.8	0	75.8	46
134	20.3	0	27.1	13
135	46.2	0	773.5	0
136	88.5	2.5	53.1	39.2
137	124.8	0	108.3	47.5
138	42.2	10	48.1	71.6
139	42.1	0	119.4	23.5
140	98.6	0	221.2	23.5
141	106.9	8	195.2	64
142	197.4	0	174.6	49.7
143	41.5	0	312.5	46
144	282.9	83	293.6	49.8
145	440.3	73.2	247.7	85.3
146	358.1	100.5	209.3	88.2
147	166.3	0	283.9	50
148	70.7	0	232.2	12
149	162.1	0	259.3	204
150	181.9	0	301.8	10.3
151	211.2	0	178.2	2.5
152	166.3	0	139.7	52.6
153	203.1	0	149.6	41.2
154	175.7	0	174.1	30
155	152.4	0	106.1	15.9
156	43.1	1	193.5	15
157	96.6	0	186.6	11.7
158	229.6	0	152.6	16.3
159	219.7	0	401.7	0
160	200.9	0	172	60.2
Sub-total	4675.9	278.5	6362.2	1443.5

BENT / SPAN No.	Superstructure		Substructure	
	SPALL	CRACK	SPALL	CRACK
	VOL	LENGTH	VOL	LENGTH
	feet ³	lineal feet	feet ³	lineal feet
161	89	0	72	33.2
162	160.5	1.6	65.9	48
163	119.4	0	95.8	24.4
164	91.3	0	120.7	36.8
165	170.2	0	189.8	59
166	65	3.3	38.2	16
167	350.1	0	33.3	13.3
168	73.2	0	44.3	10
169	245.2	22	32.5	26.3
170	242.7	2	35.5	16.4
171	178	5	48.8	19.9
172	291.5	26	38	6.2
173	166	4	65.5	5.5
174	33.3	2	106	0
175	96.6	3.7	86.9	0
176	105.7	11.7	49.1	2.1
177	146.2	10	56.8	14.3
178	132	0	70.3	7
179	146.4	0	323.3	3
180	121.2	0	40.9	8
181	110.7	2.3	39.6	31.5
182	101.6	0	79.6	4
183	210.4	0	59.8	12.8
184	50	0	31.4	13.5
185	120	0	38	18
186	156.5	0	26	19.7
187	28.9	1.3	50.7	1.5
188	343.3	0	92.7	8
189	312.2	0	60.6	5.5
190	273	0	43.4	4.5
191	44	0	60.8	3
192	103.1	0	25.4	5.3
193	14.4	0	40.4	5.5
194	183.3	0	33.9	2
195	218.2	0	51.5	1.6
196	118.5	0	44.9	7
197	74.6	0	43.3	6
198	11.4	0	74.6	8
199	152.4	0	64.3	16.2
200	265.5	0	45.1	3
201	166.1	0	19.2	1.8
202	20	0	13.6	2.3
203	29	0	14.3	0
EB2	10.2	0	0.3	0
Sub-total	6140.8	94.9	2667	530.1
Total	11876 CF	500 LF	10557 CF	2333 LF