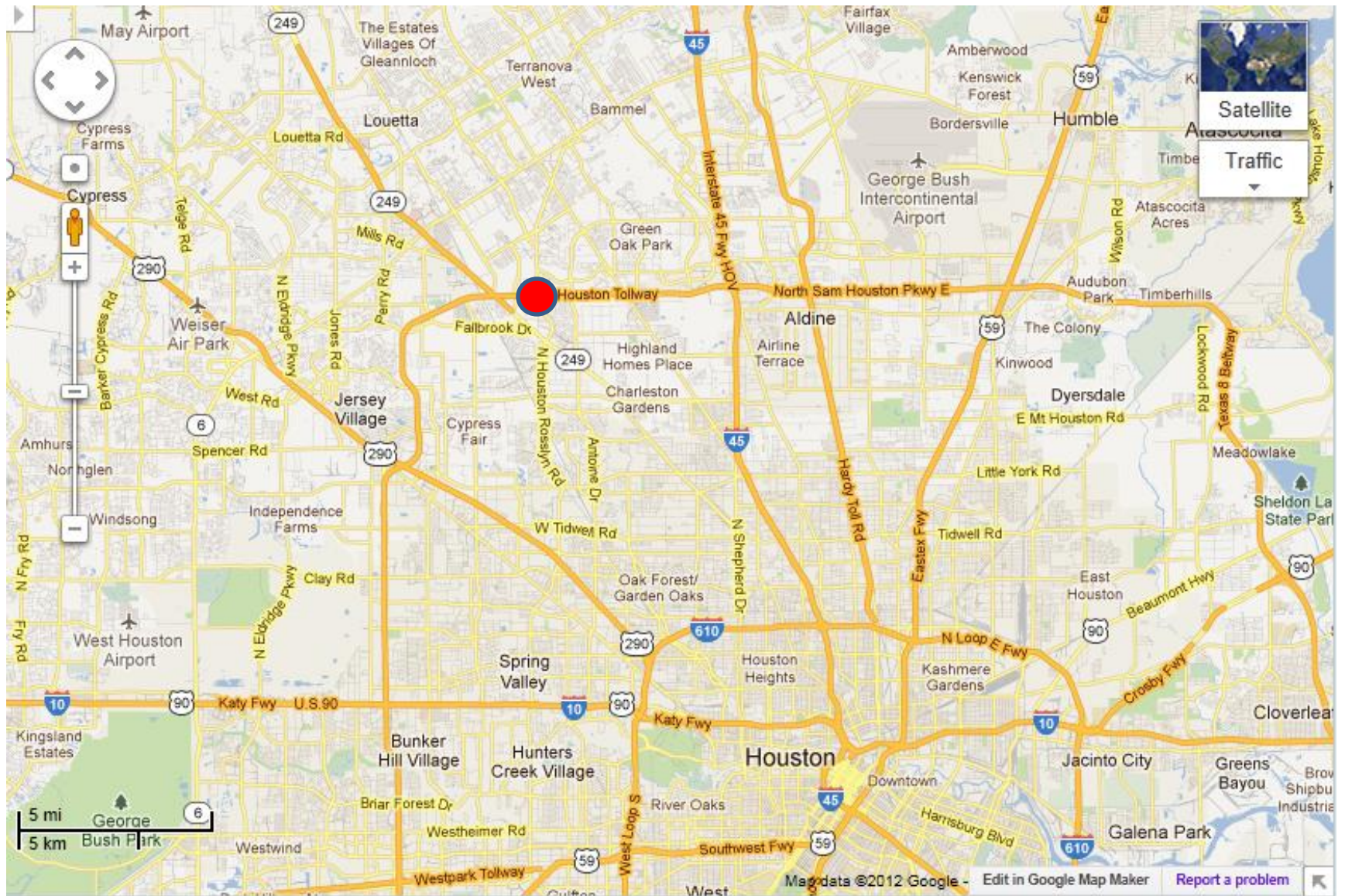
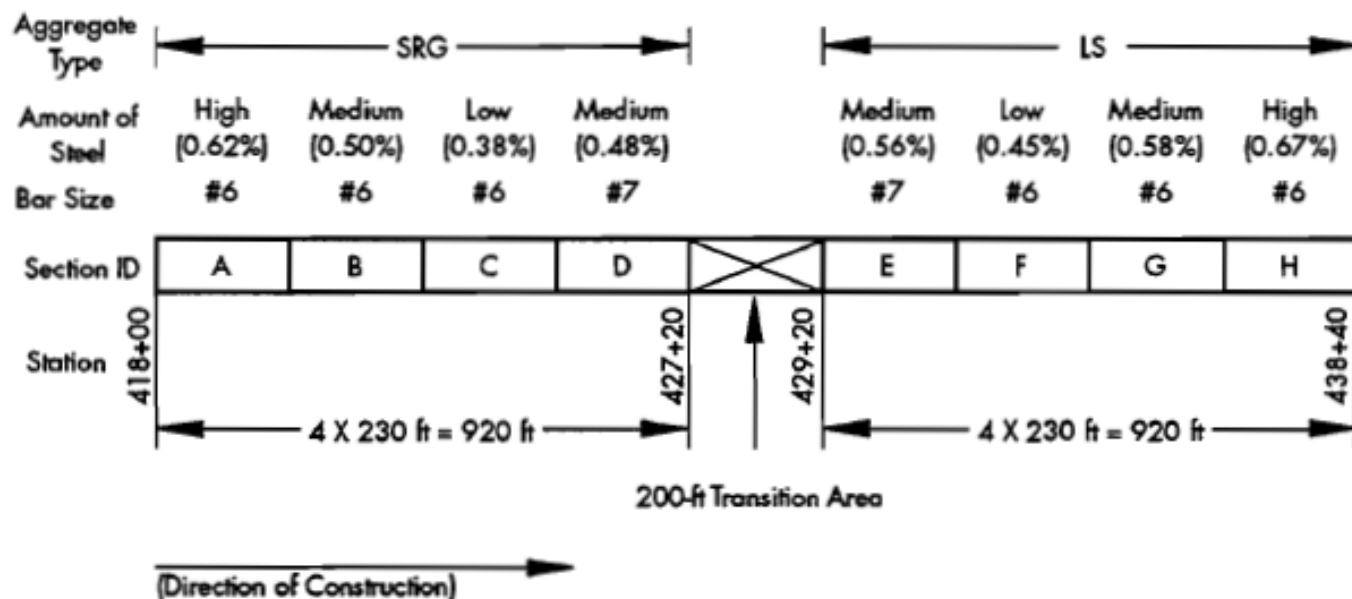
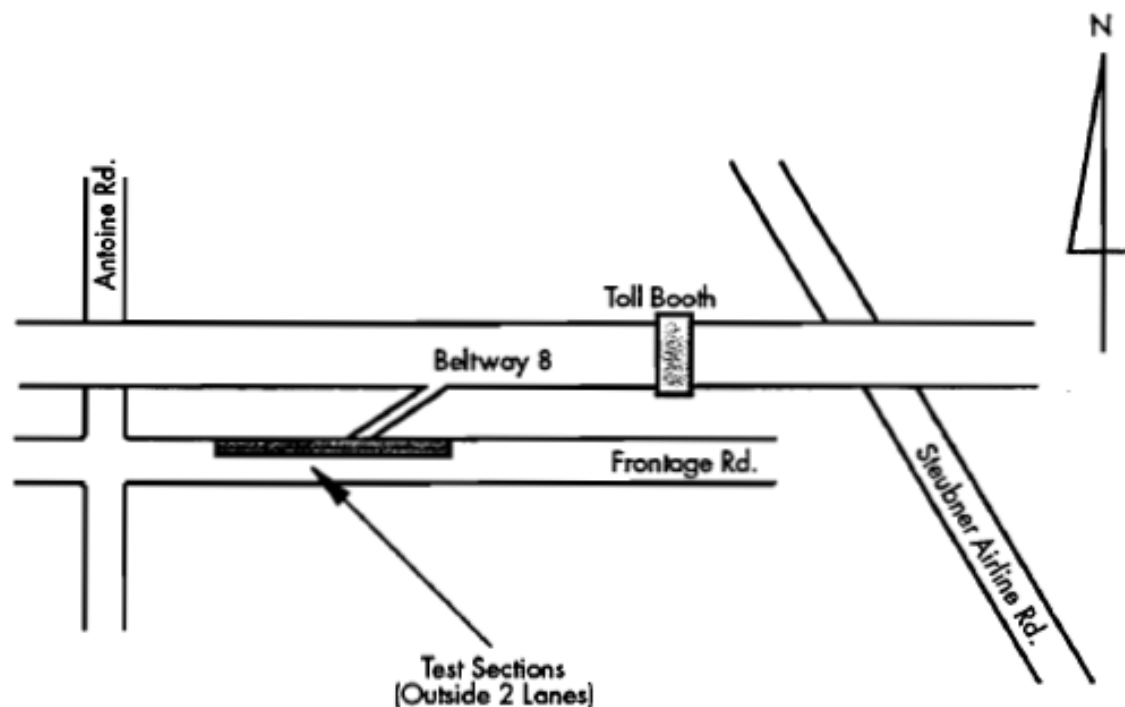


CRCP in BW 8 in Houston District

- Completed in Nov 1989
- 10-in CRCP Slab
- 1-in bond breaker (asphalt-stabilized base)
- 6-in cement-treated base and 6-in lime-treated soil
- Coarse aggregate type ; Both gravel and limestone





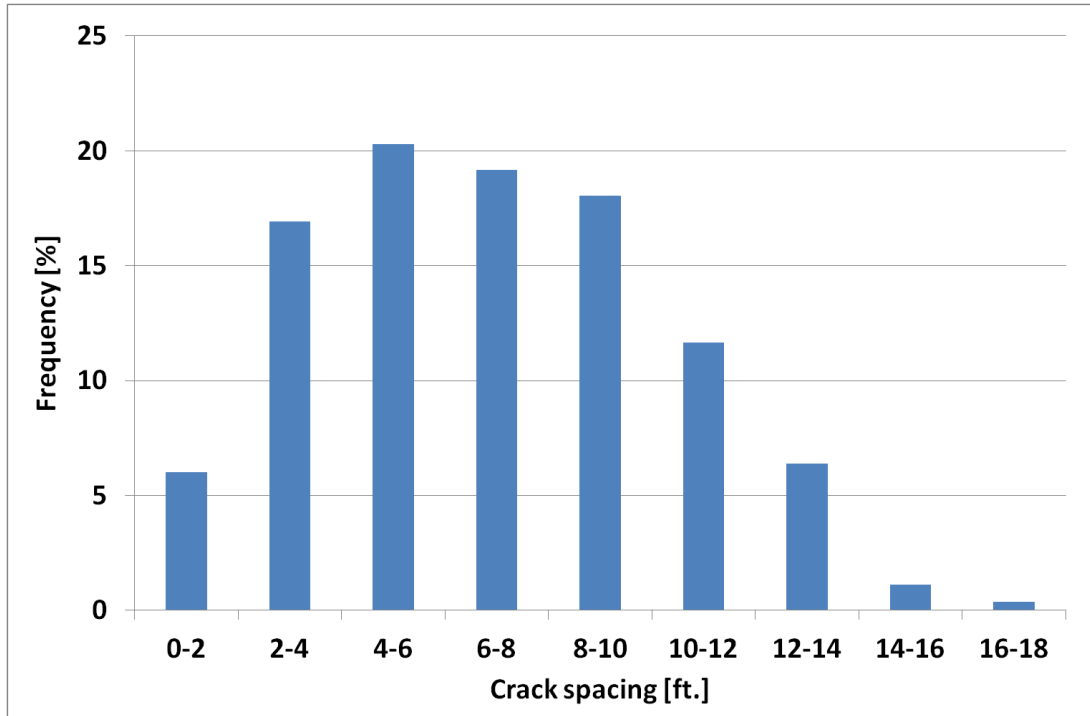
Pavement Condition Evaluations

(Crack Spacing: Nov 2010, Spalling: Feb 2012)

- Crack spacing evaluations
- Average crack spacing & Spalling (repair) ratio

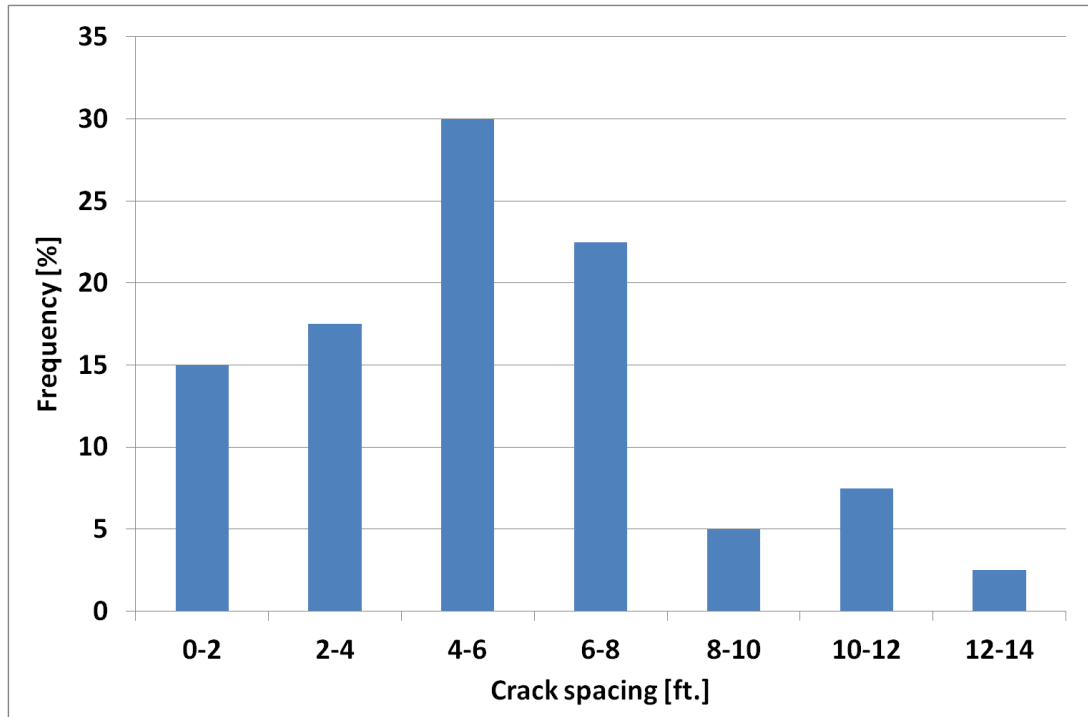
Crack Spacing Distribution

Transverse Crack Spacing Overall Sections



Transverse Crack Spacing [ft]	Number	Frequency (%)
0-2	16	6.0%
2-4	45	16.9%
4-6	54	20.3%
6-8	51	19.2%
8-10	48	18.0%
10-12	31	11.7%
12-14	17	6.4%
14-16	3	1.1%
16-18	1	0.4%
Total	266	100%

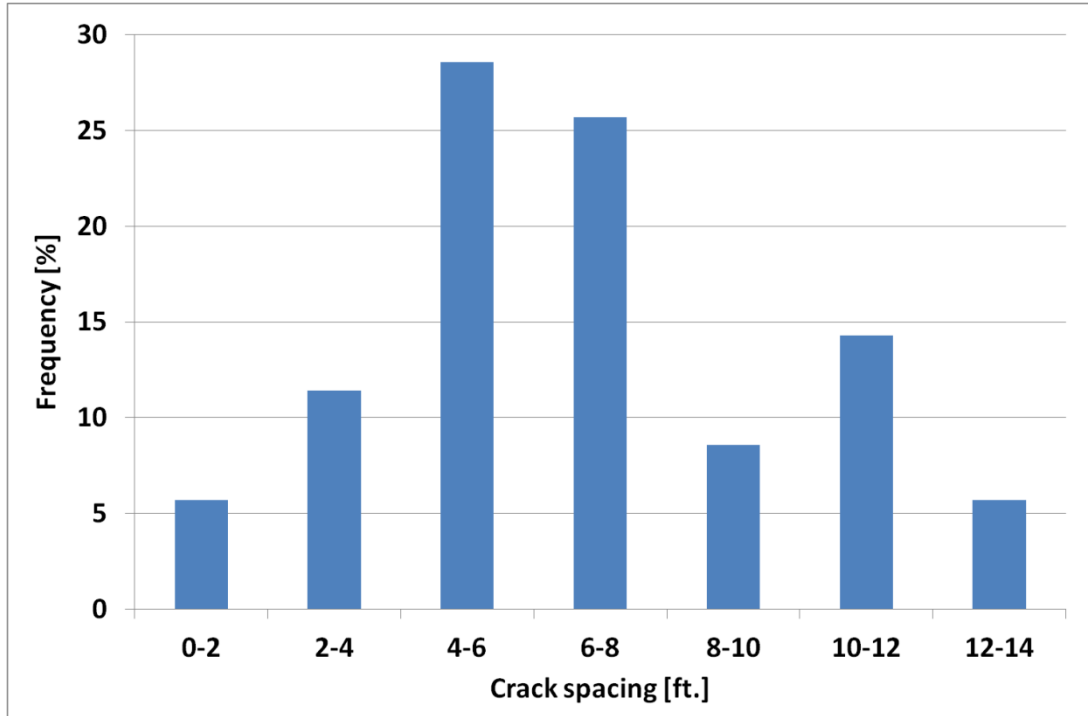
Transverse Crack Spacing Section A



Transverse Crack Spacing [ft]	Number	Frequency (%)
0-2	6	15.0%
2-4	7	17.5%
4-6	12	30.0%
6-8	9	22.5%
8-10	2	5.0%
10-12	3	7.5%
12-14	1	2.5%
Total	40	100%

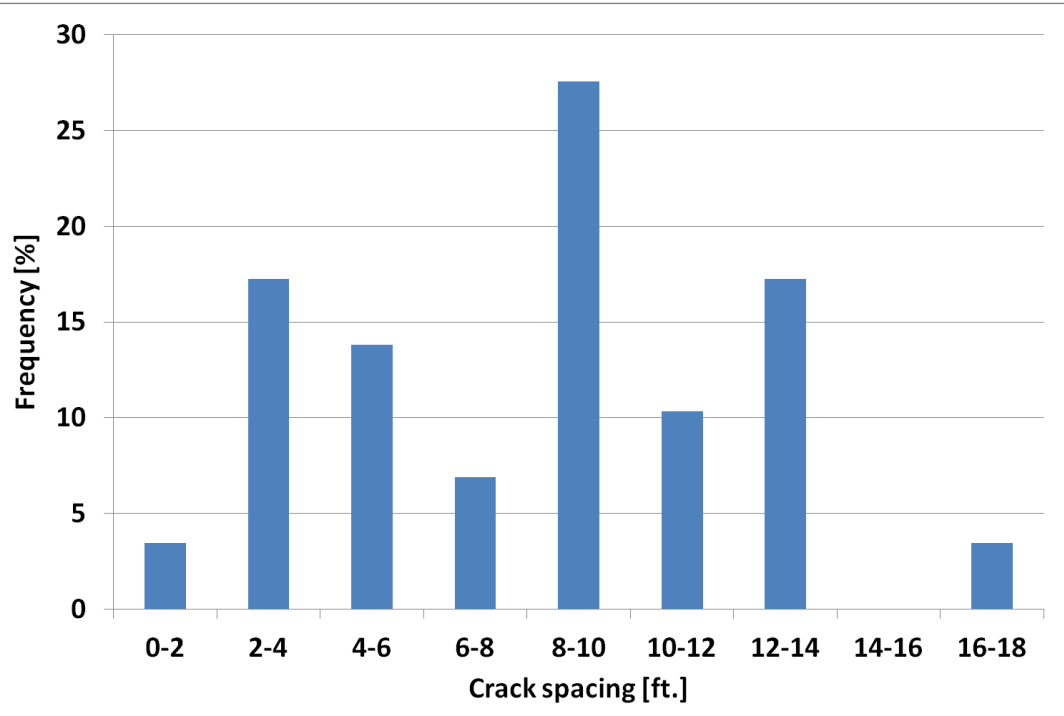
Transverse Crack Spacing

Section B



Transverse Crack Spacing [ft]	Number	Frequency (%)
0-2	2	5.7%
2-4	4	11.4%
4-6	10	28.6%
6-8	9	25.7%
8-10	3	8.6%
10-12	5	14.3%
12-14	2	5.7%
Total	35	100%

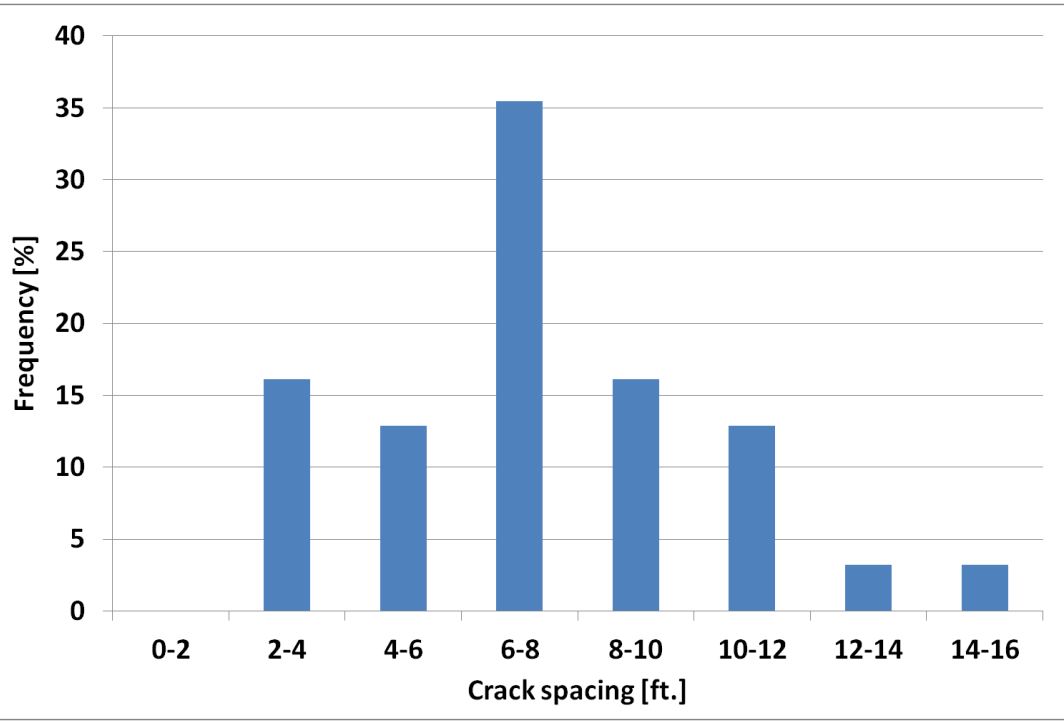
Transverse Crack Spacing Section C



Transverse Crack Spacing [ft]	Number	Frequency (%)
0-2	1	3.4%
2-4	5	17.2%
4-6	4	13.8%
6-8	2	6.9%
8-10	8	27.6%
10-12	3	10.3%
12-14	5	17.2%
14-16	0	0.0%
16-18	1	3.4%
Total	29	100%

Transverse Crack Spacing

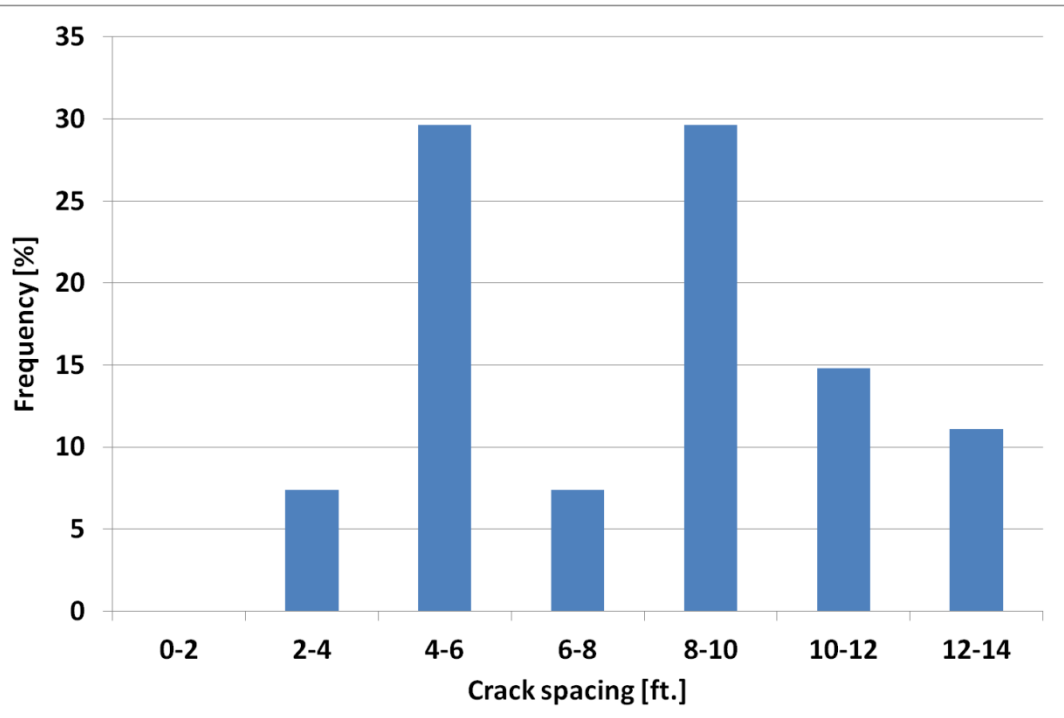
Section D



Transverse Crack Spacing [ft]	Number	Frequency (%)
0-2	0	0.0%
2-4	5	16.1%
4-6	4	12.9%
6-8	11	35.5%
8-10	5	16.1%
10-12	4	12.9%
12-14	1	3.2%
14-16	1	3.2%
Total	31	100%

Transverse Crack Spacing

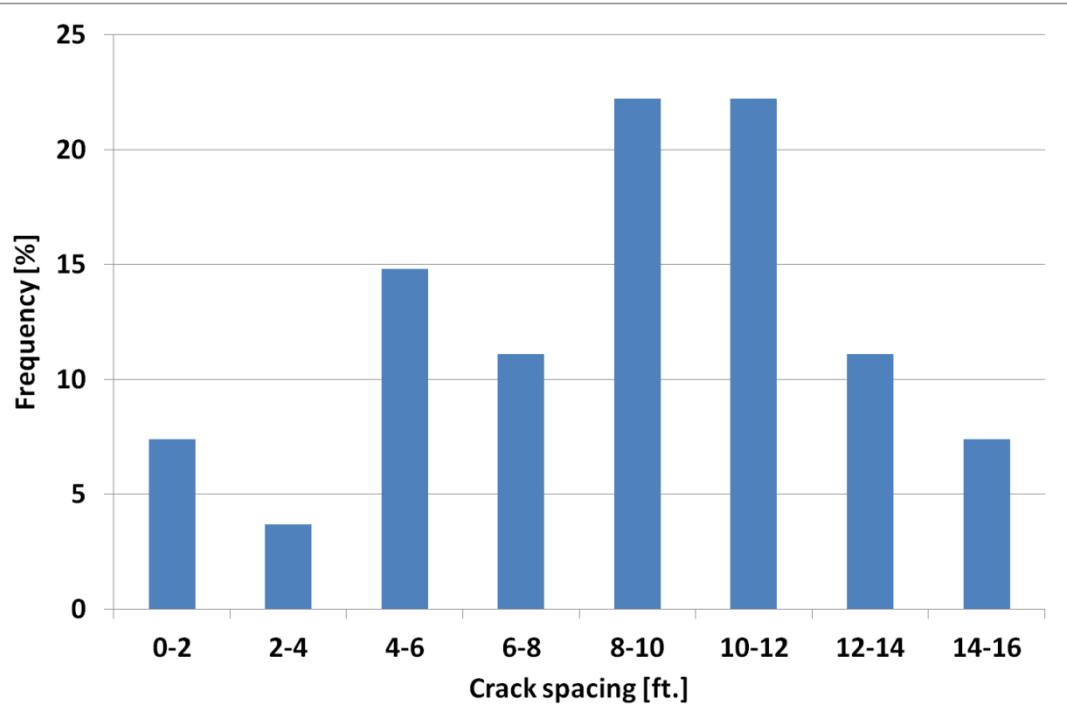
Section E



Transverse Crack Spacing [ft]	Number	Frequency (%)
0-2	0	0.0%
2-4	2	7.4%
4-6	8	29.6%
6-8	2	7.4%
8-10	8	29.6%
10-12	4	14.8%
12-14	3	11.1%
Total	27	100%

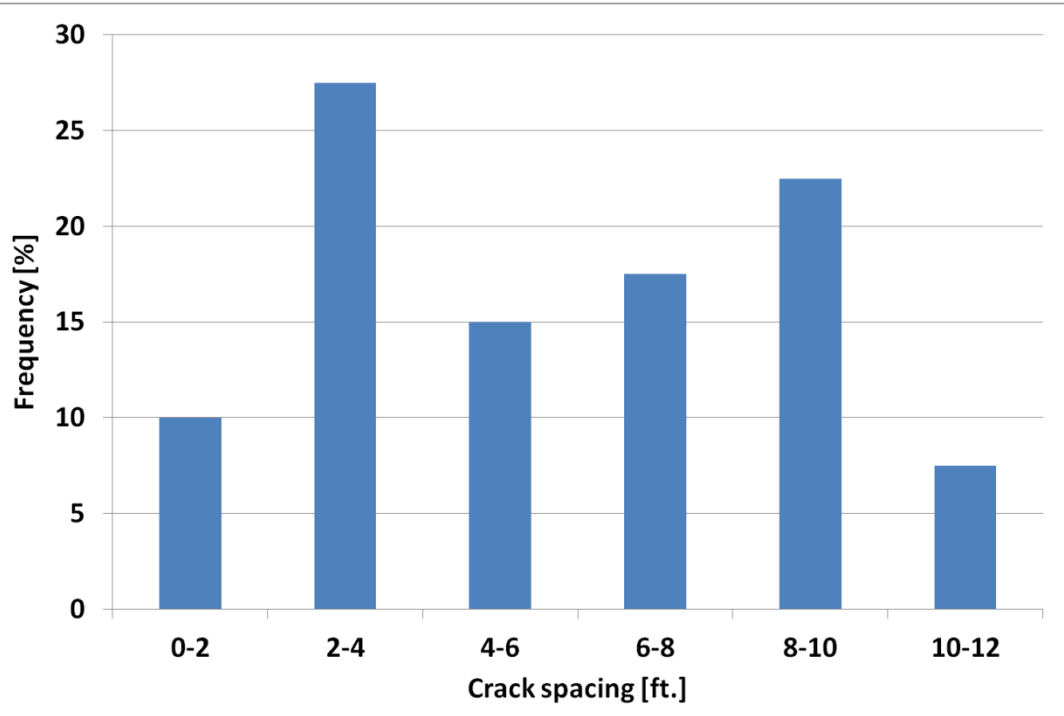
Transverse Crack Spacing

Section F



Transverse Crack Spacing [ft]	Number	Frequency (%)
0-2	2	7.4%
2-4	1	3.7%
4-6	4	14.8%
6-8	3	11.1%
8-10	6	22.2%
10-12	6	22.2%
12-14	3	11.1%
14-16	2	7.4%
Total	27	100%

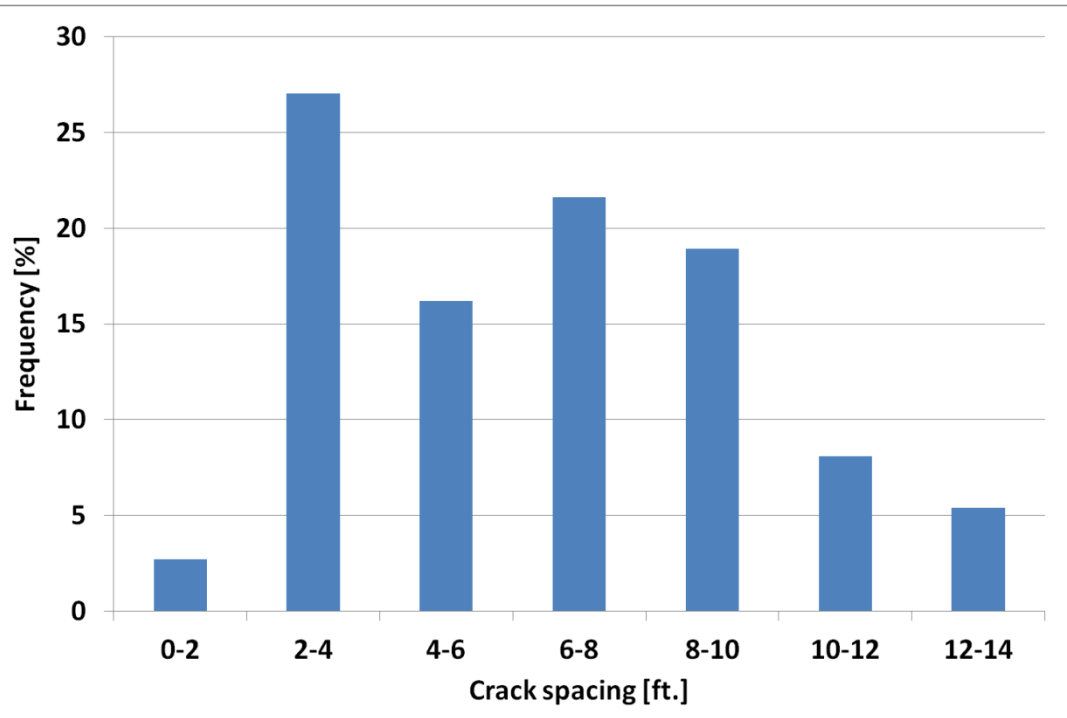
Transverse Crack Spacing Section G



Transverse Crack Spacing [ft]	Number	Frequency (%)
0-2	4	10.0%
2-4	11	27.5%
4-6	6	15.0%
6-8	7	17.5%
8-10	9	22.5%
10-12	3	7.5%
Total	40	100%

Transverse Crack Spacing

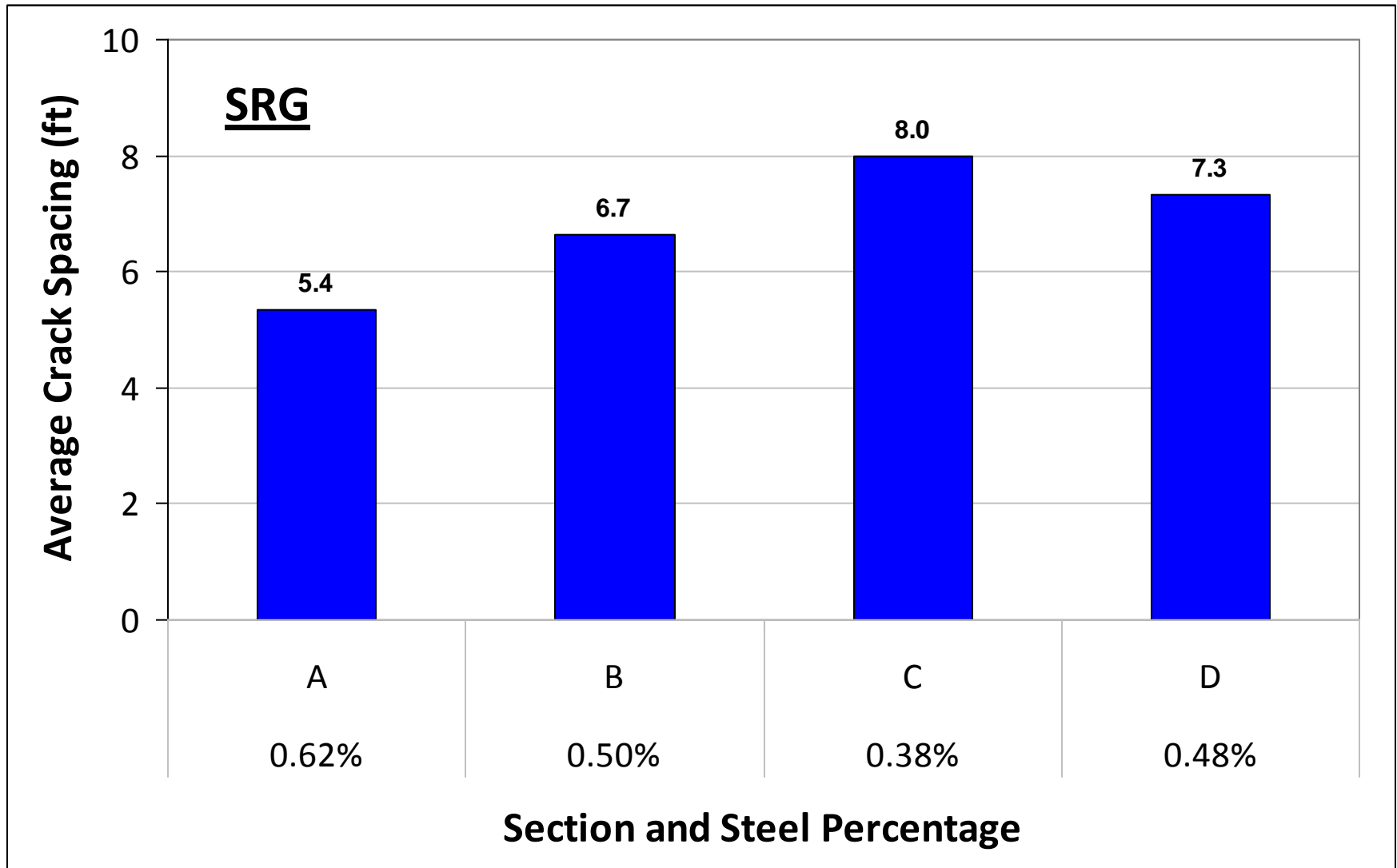
Section H



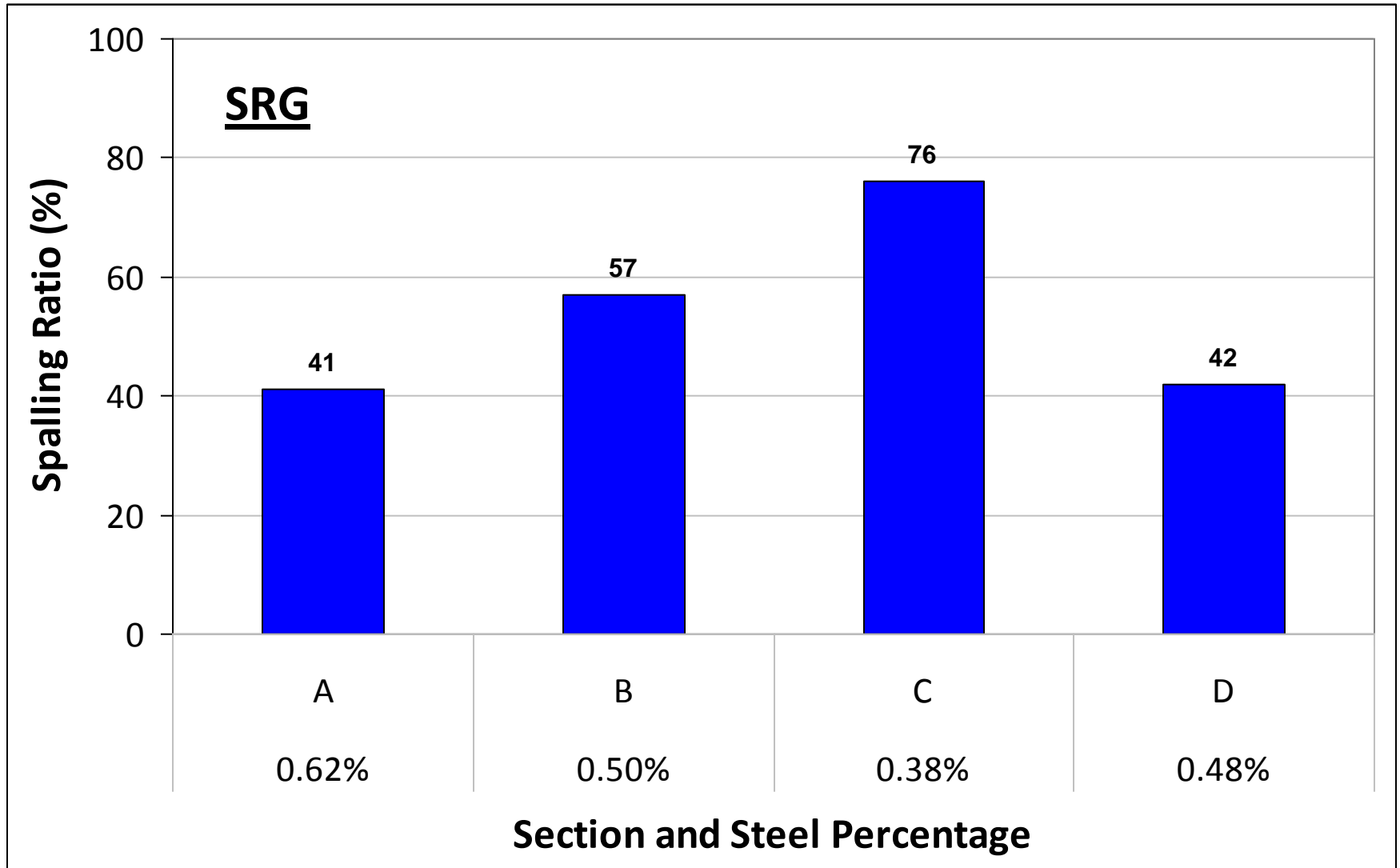
Transverse Crack Spacing [ft]	Number	Frequency (%)
0-2	1	2.7%
2-4	10	27.0%
4-6	6	16.2%
6-8	8	21.6%
8-10	7	18.9%
10-12	3	8.1%
12-14	2	5.4%
Total	37	100%

Average Crack Spacing & Spalling (Repair) Ratio

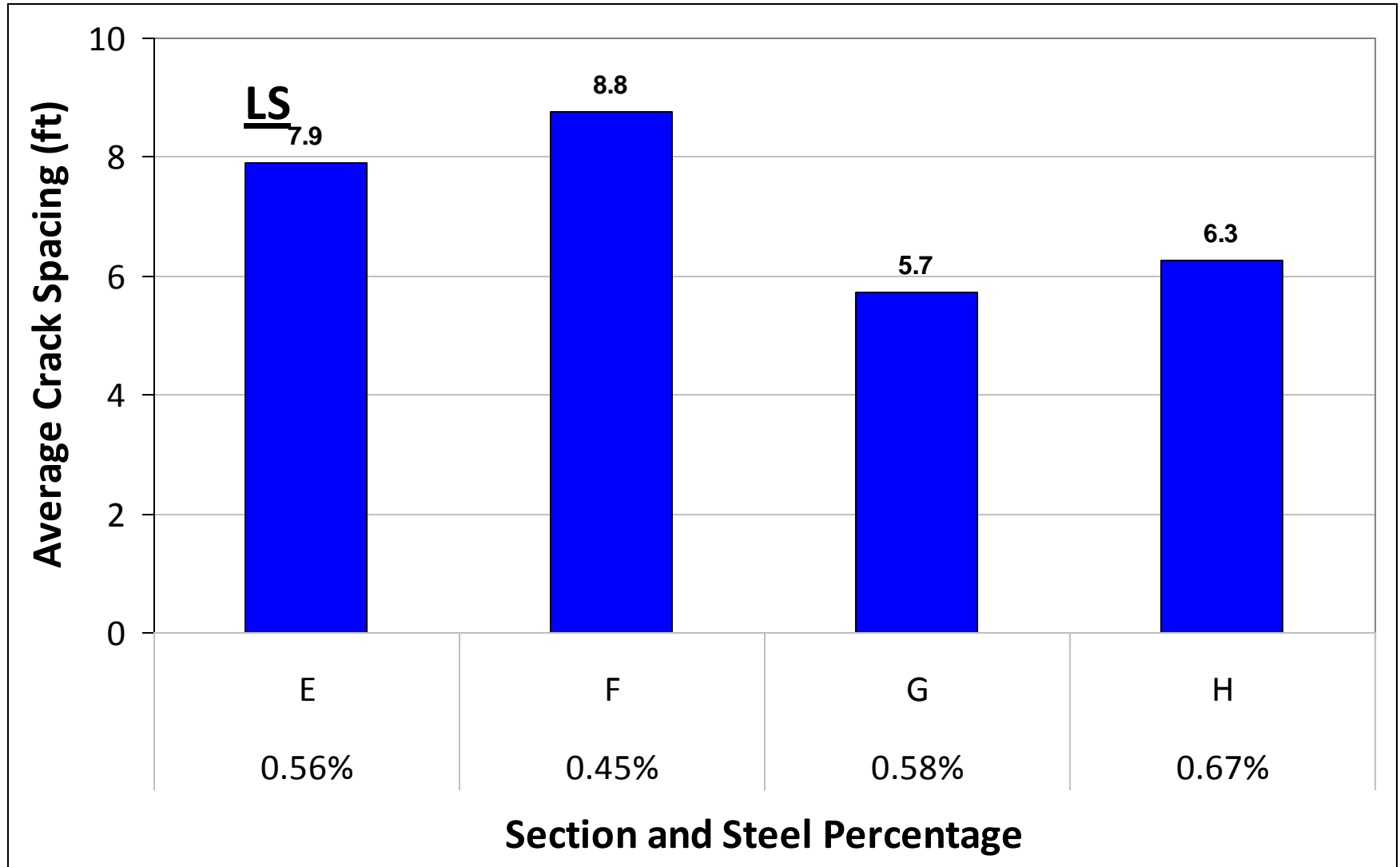
Average Crack Spacing for SRG Sections (A, B, C, and D)



Spalling (Repair) Ratio for SRG Sections (A, B, C, and D)



Average Crack Spacing for LS Sections (E, F, G, and H)



Spalling (Repair) Ratio for LS Sections (E, F, G, and H)

