



**STRUCTURE REPAIR PLAN AT FLOOR BEAMS**  
(Span 9)

**STRUCTURAL REPAIR OF CONCRETE**  
**SPAN 9**

Patch No.	Vert. or Horiz.	Dimensions	Area (SQ. FT.)
1	H	14.00'x2.00'	28.00
2	H	1.00'x1.00'	1.00
3	H	4.00'x0.83'	3.32
4	H	2.00'x1.00'	2.00
5	H	3.00'x1.33'	4.00
6	V	2.00'x0.67'	1.34
7	H	3.50'x2.00'	7.00
8	H	1.50'x1.00'	1.50
9	V	5.50'x1.25'	6.88
10	V	1.50'x2.50'	3.75
11	V	2.00'x0.83'	1.66
12	V	2.50'x0.83'	2.08
13	H	1.00'x1.00'	1.00
14	V	3.00'x1.00'	3.00
15	H	2.00'x1.00'	2.00
16	H	3.00'x4.33'	13.00
17	V	1.00'x4.33'	4.33
18	V	7.00'x1.00'	7.00
19	V	2.50'x1.00'	2.50
20	V	6.00'x1.25'	7.50
21	H	7.50'x2.00'	15.00
22	H	6.00'x1.25'	7.50
23	V	1.00'x1.00'	1.00
24	H	16.00'x0.83'	13.28
25	V	2.00'x4.00'	8.00
26	H	2.00'x1.00'	2.00
27	H	2.00'x1.00'	2.00
28	V	2.00'x2.00'	4.00
29	V	6.00'x1.00'	6.00
Subtotal of Vertical Repair Areas			69.04
Subtotal of Horizontal Repair Areas			102.60
Subtotal			161.64

**LEGEND**

- Indicates Area of Horizontal Structural Repair
- Indicates Area of Vertical Structural Repair

**STRUCTURE REPAIR DETAILS**  
**SPAN 9**  
**VACHEL LINDSAY BRIDGE REHABILITATION**  
**LONG BAY DRIVE OVER LAKE SPRINGFIELD**  
**SPRINGFIELD, ILLINOIS**

**CEC** Cummins  
Engineering  
Corporation  
Civil and Structural Engineering

JOB = 2207	DESIGNED	A.A.N.
FILE = 2207structure.dgn	CHECKED	M.D.C.
DATE = 2/10/2011	DRAWN	A.J.H.
	CHECKED	M.D.C.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8003	09-00469-00-BR	SANGAMON	36	19
CITY OF SPRINGFIELD		CONTRACT NO. <b>93546</b>		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			