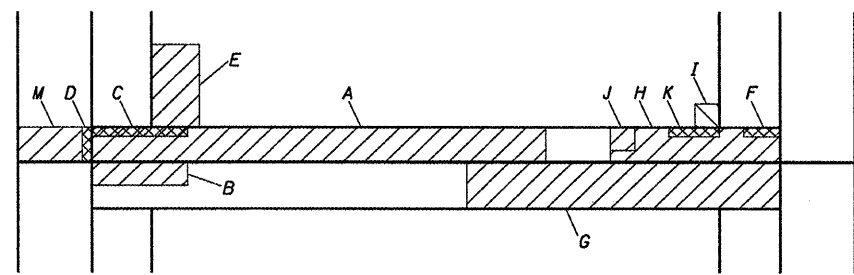


**STRUCTURE REPAIR PLAN AT FLOOR BEAMS**  
(Span 11)

**STRUCTURAL REPAIR OF CONCRETE**  
**SPAN 11**

Patch No.	Vert. or Horiz.	Dimensions	Area (SQ. FT.)
1	V	1.00x1.00'	1.00
2	V	2.00x1.00'	2.00
3	V	2.00x1.50'	3.00
4	H	3.00x0.50'	1.50
5	H	1.50x1.50'	2.25
6	V	2.50x0.50'	1.25
7	V	1.33x3.00'	4.00
8	H	1.00x1.00'	1.00
9	V	3.00x0.50'	1.50
10	H	3.50x1.33'	4.66
11	V	1.00x1.25'	1.25
12	V	1.00x1.00'	1.00
13	V	2.50x0.50'	1.25
14	V	2.00x1.00'	2.00
15	V	1.00x1.00'	1.00
16	H	4.00x1.33'	5.32
17	V	4.00x1.00'	4.00
18	V	4.00x1.00'	4.00
19	V	1.00x1.50'	1.50
20	V	3.00x1.00'	3.00
21	V	3.00x1.00'	3.00
22	H	1.00x1.50'	1.50
23	H	2.00x1.33'	2.67
24	V	2.00x0.50'	1.00
25	H	1.00x1.00'	1.00
26	V	1.00x1.00'	1.00
27	V	7.00x1.25'	8.75
28	V	1.00x1.00'	1.00
29	H	1.00x1.00'	1.00
30	V	1.00x1.25'	1.25
31	H	1.00x1.00'	1.00
32	H	1.50x1.00'	1.50
33	V	1.50x1.00'	1.50
34	H	1.50x0.50'	0.75
35	H	5.00x1.33'	6.65
36	H	5.00x1.33'	6.65
37	V	2.00x1.00'	2.00
38	V	1.00x1.00'	1.00
39	H	3.00x0.67'	2.01
40	V	3.00x1.00'	3.00
41	V	1.50x1.00'	1.50
42	V	1.00x1.00'	1.00
43	V	1.50x3.00'	4.50
Subtotal of Vertical Repair Areas			62.25
Subtotal of Horizontal Repair Areas			39.46
Subtotal			101.71



**PLAN AT EXPANSION JOINT**

**STRUCTURAL REPAIR OF CONCRETE**  
**SPAN 11**

Patch No.	Vert. or Horiz.	Dimensions	Area (SQ. FT.)
A	H	19.00x1.33'	25.27
B	H	4.00x1.00'	4.00
C	V	4.00x2.67'	10.68
D	V	2.00x1.00'	2.00
E	H	3.50x2.00'	7.00
F	V	1.00x1.50'	1.50
G	H	13.00x1.33'	17.29
H	H	8.00x1.33'	10.64
I	H	1.00x1.00'	1.00
J	H	1.00x1.00'	1.00
K	V	4.50x1.25'	5.63
L	V	1.50x0.67'	1.00
M	H	3.00x1.00'	3.00
Subtotal of Vertical Repair Areas			20.81
Subtotal of Horizontal Repair Areas			69.20
Subtotal			90.01

**LEGEND**

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

**STRUCTURE REPAIR DETAILS**  
**SPAN 11**  
**VACHEL LINDSAY BRIDGE REHABILITATION**  
**LONG BAY DRIVE OVER LAKE SPRINGFIELD**  
**SPRINGFIELD, ILLINOIS**

<b>CEC</b> 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	21
CITY OF SPRINGFIELD		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	93546		