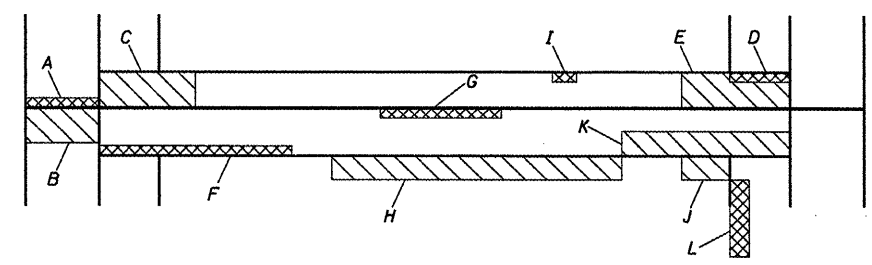


STRUCTURE REPAIR PLAN AT FLOOR BEAMS
(Span 14)



PLAN AT EXPANSION JOINT

LEGEND

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

STRUCTURAL REPAIR OF CONCRETE
SPAN 14

Patch No.	Vert. or Horiz.	Dimensions	Area (SQ. FT.)
1	V	3.00'x1.00'	3.00
2	V	2.00'x1.00'	2.00
3	V	1.00'x1.00'	1.00
4	V	2.00'x1.00'	2.00
5	H	1.00'x1.00'	1.00
6	H	1.00'x1.00'	1.00
7	H	1.00'x1.00'	1.00
8	H	1.00'x1.00'	1.00
9	V	2.00'x1.00'	2.00
10	V	1.00'x1.00'	1.00
11	V	1.00'x1.00'	1.00
12	V	1.50'x1.00'	1.50
13	V	2.50'x1.00'	2.50
14	V	2.50'x1.00'	2.50
15	H	1.00'x1.00'	1.00
16	H	1.00'x1.00'	1.00
17	V	2.00'x1.00'	2.00
18	H	0.50'x0.50'	0.25
19	V	4.00'x1.50'	6.00
Subtotal of Vertical Repair Areas			26.50
Subtotal of Horizontal Repair Areas			6.25
Subtotal			32.75

STRUCTURAL REPAIR OF CONCRETE
SPAN 14

Patch No.	Vert. or Horiz.	Dimensions	Area (SQ. FT.)
A	V	1.00'x1.50'	1.50
B	H	1.50'x3.00'	4.50
C	H	4.00'x1.33'	5.32
D	V	2.50'x0.50'	1.25
E	H	4.50'x1.33'	6.00
F	V	8.00'x1.17'	9.36
G	V	5.00'x0.75'	3.75
H	H	12.00'x1.00'	12.00
I	V	1.00'x1.00'	1.00
J	H	2.00'x1.00'	2.00
K	H	7.00'x1.00'	7.00
L	V	4.00'x1.00'	4.00
Subtotal of Vertical Repair Areas			20.86
Subtotal of Horizontal Repair Areas			36.82
Subtotal			57.68

STRUCTURE REPAIR DETAILS
SPAN 14
VACHEL LINDSAY BRIDGE REHABILITATION
LONG BAY DRIVE OVER LAKE SPRINGFIELD
SPRINGFIELD, ILLINOIS

CEC Cummins Engineering Corporation <small>Civil and Structural Engineering</small>	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.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8003	09-00469-00-BR	SANGAMON	36	24
CITY OF SPRINGFIELD		CONTRACT NO.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	93546