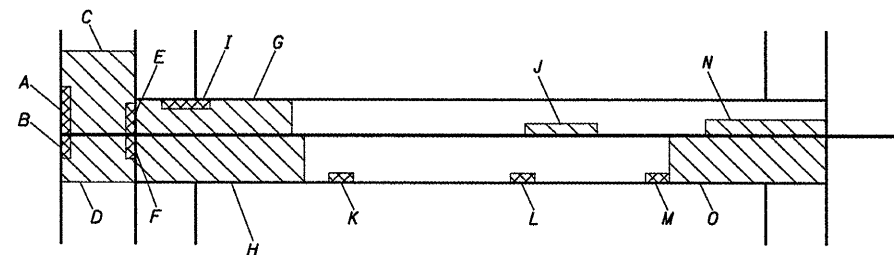


**STRUCTURE REPAIR PLAN AT FLOOR BEAMS**  
(Span 15)



**PLAN AT EXPANSION JOINT**

**LEGEND**

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

**STRUCTURAL REPAIR OF CONCRETE**  
**SPAN 15**

Patch No.	Vert. or Horiz.	Dimensions	Area (SQ. FT.)
1	H	1.00'x0.50'	0.50
2	H	1.00'x0.50'	0.50
3	V	14.00'x1.00'	14.00
4	H	1.00'x1.25'	1.25
5	V	2.00'x1.00'	2.00
6	V	12.00'x1.00'	12.00
7	V	1.00'x1.50'	1.50
Subtotal of Vertical Repair Areas			29.50
Subtotal of Horizontal Repair Areas			2.25
Subtotal			31.75

**STRUCTURAL REPAIR OF CONCRETE**  
**SPAN 15**

Patch No.	Vert. or Horiz.	Dimensions	Area (SQ. FT.)
A	V	3.50'x2.00'	7.00
B	V	2.50'x1.00'	2.50
C	H	3.50'x1.33'	17.96
D	H	2.00'x1.33'	2.66
E	V	2.00'x1.50'	3.00
F	V	1.00'x1.50'	1.50
G	H	6.50'x1.33'	8.65
H	H	7.00'x2.00'	14.00
I	V	2.00'x1.25'	2.50
J	H	3.00'x0.50'	1.50
K	V	1.00'x1.00'	1.00
L	V	1.00'x1.00'	1.00
M	V	1.00'x1.00'	1.00
N	H	5.00'x0.67'	3.35
O	H	6.50'x2.00'	13.00
Subtotal of Vertical Repair Areas			19.50
Subtotal of Horizontal Repair Areas			61.12
Subtotal			80.62

**STRUCTURE REPAIR DETAILS**  
**SPAN 15**  
**VACHEL LINDSAY BRIDGE REHABILITATION**  
**LONG BAY DRIVE OVER LAKE SPRINGFIELD**  
**SPRINGFIELD, ILLINOIS**

<b>CEC</b> Cummins Engineering Corporation <small>Civil and Structural Engineering</small>	JOB = 2207	DESIGNED	A.A.M.
	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	25
CITY OF SPRINGFIELD		CONTRACT NO. 93546		
FED. ROAD DIST. NO.		[ILLINOIS] FED. AID PROJECT		