



STRUCTURE REPAIR PLAN AT FLOOR BEAMS

STRUCTURAL REPAIR OF CONCRETE
SPAN 17

Patch No.	Vert. or Horiz.	Dimensions	Area (SQ. FT.)
1	V	10.00x1.00'	10.00
2	H	2.00x1.33'	2.66
3	V	4.00x0.67'	2.68
4	V	4.00x0.50'	2.00
5	H	0.67x4.50'	3.00
6	V	(5.00x3.00)/2*	7.50
7	V	3.00x1.00'	3.00
8	H	1.00x8.00'	8.00
9	H	0.50x22.00'	11.00
10	V	1.00x4.50'	4.50
11	V	1.00x2.00'	2.00
12	V	3.00x1.00'	3.00
13	H	7.00x1.00'	7.00
14	V	0.50x2.00'	1.00
15	H	1.00x2.00'	2.00
16	V	1.50x1.50'	2.25
Subtotal of Vertical Repair Areas			37.93
Subtotal of Horizontal Repair Areas			33.66
Subtotal			71.59

STRUCTURAL REPAIR OF CONCRETE
SPAN 5

Patch No.	Vert. or Horiz.	Dimensions	Area (SQ. FT.)
1	V	2.75x8.00'	22.00
2	V	0.50x3.00'	1.50
3	V	(3.00x3.00)/2*	4.50
4	H	4.00x1.00'	4.00
5	H	4.00x1.00'	4.00
6	H	4.50x1.00'	4.50
7	H	0.50x4.00'	2.00
8	H	1.00x31.00'	31.00
9	V	1.00x7.00'	7.00
10	V	1.00x4.00'	4.00
11	V	2.00x5.50'	11.00
12	V	1.00x7.00'	7.00
13	V	1.00x3.50'	3.50
14	V	1.00x3.00'	3.00
15	V	1.00x1.00'	1.00
16	V	6.50x2.00'	13.00
17	V	2.00x1.00'	2.00
Subtotal of Vertical Repair Areas			79.50
Subtotal of Horizontal Repair Areas			45.50
Subtotal			125.00

* Indicates a triangular repair area

LEGEND

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

STRUCTURE REPAIR DETAILS
SPANS 5 & 17
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 = 2207vault.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	28
CITY OF SPRINGFIELD		CONTRACT NO.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		93546