



STRUCTURE REPAIR PLAN AT FLOOR BEAMS
(Spans 18-20)

Note:
Repairs 35 and 36 are located on the column at the south side of Pier 21.

STRUCTURAL REPAIR OF CONCRETE			
SPAN 18-20			
Patch No.	Vert. or Horiz.	Dimensions	Area (SQ. FT.)
1	H	6.00x1.00'	6.00
2	V	3.00x1.00'	3.00
3	H	2.00x1.00'	2.00
4	V	2.00x1.00'	2.00
5	V	1.50x3.00'	4.50
6	V	1.00x4.00'	4.00
7	H	1.00x1.00'	1.00
8	H	1.00x1.00'	1.00
9	V	0.50x1.50'	0.75
10	H	7.00x1.00'	7.00
11	V	0.50x3.00'	1.50
12	V	1.50x1.00'	1.50
13	V	1.00x1.00'	1.00
14	H	1.00x1.00'	1.00
15	V	0.50x2.50'	1.25
16	V	1.00x1.00'	1.00
17	V	1.00x1.00'	1.00
18	H	1.00x1.00'	1.00
19	V	1.50x1.00'	1.50
20	V	1.00x1.00'	1.00
21	H	1.00x1.00'	1.00
22	H	1.00x1.00'	1.00
23	V	4.00x3.00'	12.00
24	V	2.00x1.50'	3.00
25	V	3.00x1.00'	3.00
26	H	3.00x1.50'	4.50
27	H	4.00x1.00'	4.00
28	V	(5.00x4.00')/2*	10.00
29	V	3.00x4.00'	12.00
30	V	3.00x8.00'	24.00
31	H	0.67x3.50'	2.35
32	H	1.00x3.50'	3.50
33	H	6.00x1.00'	6.00
34	H	1.00x4.00'	4.00
35	V	2.00x2.00'	4.00
36	V	1.00x4.00'	4.00
37	V	1.00x3.00'	3.00
38	H	0.50x24.00'	12.00
Subtotal of Vertical Repair Areas			99.00
Subtotal of Horizontal Repair Areas			57.35
Subtotal			156.35

* Indicates a triangular repair area

LEGEND

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

STRUCTURE REPAIR DETAILS
SPANS 18-20
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	27
CITY OF SPRINGFIELD		CONTRACT NO.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	93546	