

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. 79
F.A.I. 39	50-4B	LASALLE		101	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	Contract # 66586		

STRINGER S3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevation Adjusted For Dead Load Deflection
⊙ Brg. Pier 34	860+05.75	-21.708	521.919	521.937
2	860+14.88	-21.708	521.877	521.924
3	860+24.00	-21.708	521.835	521.905
4	860+33.13	-21.708	521.793	521.879
5	860+42.25	-21.708	521.753	521.851
6	860+51.38	-21.708	521.708	521.823
7	860+60.50	-21.708	521.666	521.797
8	860+69.63	-21.708	521.624	521.766
9	860+78.75	-21.708	521.582	521.735
10	860+87.88	-21.708	521.539	521.707
11	860+97.00	-21.708	521.497	521.680
12	861+06.13	-21.708	521.455	521.648
13	861+15.25	-21.708	521.413	521.616
14	861+24.38	-21.708	521.371	521.589
15	861+33.50	-21.708	521.328	521.559
16	861+42.63	-21.708	521.286	521.525
17	861+51.75	-21.708	521.244	521.487
18	861+60.88	-21.708	521.202	521.458
19	861+70.00	-21.708	521.160	521.429
20	861+79.13	-21.708	521.117	521.394
21	861+88.25	-21.708	521.075	521.357
22	861+97.38	-21.708	521.033	521.326
23	862+06.50	-21.708	520.991	521.293
24	862+15.63	-21.708	520.949	521.256
25	862+24.75	-21.708	520.907	521.217
26	862+33.88	-21.708	520.864	521.183
27	862+43.00	-21.708	520.822	521.148
28	862+52.13	-21.708	520.780	521.107
29	862+61.25	-21.708	520.738	521.064
30	862+70.38	-21.708	520.696	521.027
31	862+79.50	-21.708	520.653	520.991
32	862+88.63	-21.708	520.611	520.949
33	862+97.75	-21.708	520.569	520.906
34	863+06.88	-21.708	520.527	520.867
35	863+16.00	-21.708	520.485	520.826
36	863+25.13	-21.708	520.442	520.780
37	863+34.25	-21.708	520.400	520.734
38	863+43.38	-21.708	520.358	520.692
39	863+52.50	-21.708	520.316	520.648
40	863+61.63	-21.708	520.274	520.599
41	863+70.75	-21.708	520.231	520.549
42	863+79.88	-21.708	520.189	520.508
43	863+89.00	-21.708	520.147	520.464
44	863+98.13	-21.708	520.105	520.414
45	864+07.25	-21.708	520.063	520.362

STRINGER S3 (CONT'D)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevation Adjusted For Dead Load Deflection
46	864+16.38	-21.708	520.021	520.315
47	864+25.50	-21.708	519.978	520.267
48	864+34.63	-21.708	519.936	520.215
49	864+43.75	-21.708	519.894	520.163
50	864+52.88	-21.708	519.852	520.114
51	864+62.00	-21.708	519.810	520.065
52	864+71.13	-21.708	519.767	520.008
53	864+80.25	-21.708	519.725	519.954
54	864+89.38	-21.708	519.683	519.907
55	864+98.50	-21.708	519.641	519.858
56	865+07.63	-21.708	519.599	519.803
57	865+16.75	-21.708	519.556	519.746
58	865+25.88	-21.708	519.514	519.694
59	865+35.00	-21.708	519.472	519.643
60	865+44.13	-21.708	519.430	519.587
61	865+53.25	-21.708	519.388	519.530
62	865+62.38	-21.708	519.345	519.478
63	865+71.50	-21.708	519.303	519.425
64	865+80.63	-21.708	519.261	519.369
65	865+89.75	-21.708	519.219	519.311
66	865+98.88	-21.708	519.177	519.258
67	866+08.00	-21.708	519.134	519.201
68	866+17.13	-21.708	519.092	519.137
⊙ Brg. Pier 35	866+26.25	-21.708	519.050	519.068

STRINGER S4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevation Adjusted For Dead Load Deflection
⊙ Brg. Pier 34	860+05.75	-12.458	522.104	522.126
2	860+14.88	-12.458	522.062	522.113
3	860+24.00	-12.458	522.020	522.095
4	860+33.13	-12.458	521.978	522.067
5	860+42.25	-12.458	521.935	522.036
6	860+51.38	-12.458	521.893	522.010
7	860+60.50	-12.458	521.851	521.983
8	860+69.63	-12.458	521.809	521.951
9	860+78.75	-12.458	521.767	521.919
10	860+87.88	-12.458	521.724	521.890
11	860+97.00	-12.458	521.682	521.861
12	861+06.13	-12.458	521.640	521.829
13	861+15.25	-12.458	521.598	521.796
14	861+24.38	-12.458	521.556	521.768
15	861+33.50	-12.458	521.513	521.737
16	861+42.63	-12.458	521.471	521.702
17	861+51.75	-12.458	521.429	521.664
18	861+60.88	-12.458	521.387	521.633
19	861+70.00	-12.458	521.345	521.604
20	861+79.13	-12.458	521.302	521.569
21	861+88.25	-12.458	521.260	521.532
22	861+97.38	-12.458	521.218	521.500
23	862+06.50	-12.458	521.176	521.466
24	862+15.63	-12.458	521.134	521.429
25	862+24.75	-12.458	521.092	521.391
26	862+33.88	-12.458	521.049	521.356
27	862+43.00	-12.458	521.007	521.321
28	862+52.13	-12.458	520.965	521.280
29	862+61.25	-12.458	520.923	521.236
30	862+70.38	-12.458	520.881	521.199
31	862+79.50	-12.458	520.838	521.163
32	862+88.63	-12.458	520.796	521.122
33	862+97.75	-12.458	520.754	521.078
34	863+06.88	-12.458	520.712	521.040
35	863+16.00	-12.458	520.670	521.000
36	863+25.13	-12.458	520.627	520.954
37	863+34.25	-12.458	520.585	520.908
38	863+43.38	-12.458	520.543	520.867
39	863+52.50	-12.458	520.501	520.823
40	863+61.63	-12.458	520.459	520.774
41	863+70.75	-12.458	520.416	520.725
42	863+79.88	-12.458	520.374	520.684
43	863+89.00	-12.458	520.332	520.641
44	863+98.13	-12.458	520.290	520.591
45	864+07.25	-12.458	520.248	520.540

STRINGER S4 (CONT'D)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevation Adjusted For Dead Load Deflection
46	864+16.38	-12.458	520.205	520.493
47	864+25.50	-12.458	520.163	520.446
48	864+34.63	-12.458	520.121	520.395
49	864+43.75	-12.458	520.079	520.343
50	864+52.88	-12.458	520.037	520.295
51	864+62.00	-12.458	519.994	520.245
52	864+71.13	-12.458	519.952	520.190
53	864+80.25	-12.458	519.910	520.136
54	864+89.38	-12.458	519.868	520.091
55	864+98.50	-12.458	519.826	520.042
56	865+07.63	-12.458	519.784	519.988
57	865+16.75	-12.458	519.741	519.931
58	865+25.88	-12.458	519.699	519.881
59	865+35.00	-12.458	519.657	519.829
60	865+44.13	-12.458	519.615	519.774
61	865+53.25	-12.458	519.573	519.718
62	865+62.38	-12.458	519.530	519.667
63	865+71.50	-12.458	519.488	519.615
64	865+80.63	-12.458	519.446	519.559
65	865+89.75	-12.458	519.404	519.502
66	865+98.88	-12.458	519.362	519.449
67	866+08.00	-12.458	519.319	519.392
68	866+17.13	-12.458	519.277	519.327
⊙ Brg. Pier 35	866+26.25	-12.458	519.235	519.257

- NOTES:**
- Stations, elevations and offsets are in feet. All offsets are measured from ⊙/⊙ F.A.I. 39.
 - Work this sheet with sheet 77.

**TOP OF SLAB ELEVATIONS - SPAN 35
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)**

benesch
alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-865-0450
Job # 3856

DESIGNED -	HAA
CHECKED -	AJK
DRAWN -	VH
CHECKED -	MRB

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET	SHEET NO. 80
F.A.I. 39	50-4B	LASALLE		100	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract # 66586

SB PGL

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevation Adjusted For Dead Load Deflection
⊙ Brg. Pier 34	860+05.75	-7.708	522.199	522.221
2	860+14.88	-7.708	522.157	522.209
3	860+24.00	-7.708	522.115	522.190
4	860+33.13	-7.708	522.073	522.162
5	860+42.25	-7.708	522.031	522.131
6	860+51.38	-7.708	521.988	522.104
7	860+60.50	-7.708	521.946	522.076
8	860+69.63	-7.708	521.904	522.044
9	860+78.75	-7.708	521.862	522.010
10	860+87.88	-7.708	521.820	521.982
11	860+97.00	-7.708	521.777	521.953
12	861+06.13	-7.708	521.735	521.919
13	861+15.25	-7.708	521.693	521.885
14	861+24.38	-7.708	521.651	521.857
15	861+33.50	-7.708	521.609	521.828
16	861+42.63	-7.708	521.566	521.791
17	861+51.75	-7.708	521.524	521.752
18	861+60.88	-7.708	521.482	521.721
19	861+70.00	-7.708	521.440	521.693
20	861+79.13	-7.708	521.398	521.657
21	861+88.25	-7.708	521.355	521.619
22	861+97.38	-7.708	521.313	521.587
23	862+06.50	-7.708	521.271	521.553
24	862+15.63	-7.708	521.229	521.516
25	862+24.75	-7.708	521.187	521.477
26	862+33.88	-7.708	521.144	521.443
27	862+43.00	-7.708	521.102	521.408
28	862+52.13	-7.708	521.060	521.366
29	862+61.25	-7.708	521.018	521.322
30	862+70.38	-7.708	520.976	521.286
31	862+79.50	-7.708	520.933	521.250
32	862+88.63	-7.708	520.891	521.208
33	862+97.75	-7.708	520.849	521.165
34	863+06.88	-7.708	520.807	521.126
35	863+16.00	-7.708	520.765	521.086
36	863+25.13	-7.708	520.722	521.041
37	863+34.25	-7.708	520.680	520.995
38	863+43.38	-7.708	520.638	520.954
39	863+52.50	-7.708	520.596	520.911
40	863+61.63	-7.708	520.554	520.861
41	863+70.75	-7.708	520.512	520.813
42	863+79.88	-7.708	520.469	520.772
43	863+89.00	-7.708	520.427	520.729
44	863+98.13	-7.708	520.385	520.680
45	864+07.25	-7.708	520.343	520.629

SB PGL (CONT'D)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevation Adjusted For Dead Load Deflection
46	864+16.38	-7.708	520.301	520.583
47	864+25.50	-7.708	520.258	520.536
48	864+34.63	-7.708	520.216	520.485
49	864+43.75	-7.708	520.174	520.433
50	864+52.88	-7.708	520.132	520.386
51	864+62.00	-7.708	520.089	520.336
52	864+71.13	-7.708	520.047	520.281
53	864+80.25	-7.708	520.005	520.227
54	864+89.38	-7.708	519.963	520.183
55	864+98.50	-7.708	519.921	520.135
56	865+07.63	-7.708	519.879	520.080
57	865+16.75	-7.708	519.836	520.024
58	865+25.88	-7.708	519.794	519.974
59	865+35.00	-7.708	519.752	519.923
60	865+44.13	-7.708	519.710	519.868
61	865+53.25	-7.708	519.668	519.812
62	865+62.38	-7.708	519.625	519.761
63	865+71.50	-7.708	519.583	519.710
64	865+80.63	-7.708	519.541	519.654
65	865+89.75	-7.708	519.499	519.597
66	865+98.88	-7.708	519.457	519.545
67	866+08.00	-7.708	519.414	519.488
68	866+17.13	-7.708	519.372	519.424
⊙ Brg. Pier 35	866+26.25	-7.708	519.330	519.352

STRINGER S5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevation Adjusted For Dead Load Deflection
⊙ Brg. Pier 34	860+05.75	-3.208	522.289	522.312
2	860+14.88	-3.208	522.247	522.300
3	860+24.00	-3.208	522.205	522.281
4	860+33.13	-3.208	522.163	522.252
5	860+42.25	-3.208	522.120	522.219
6	860+51.38	-3.208	522.078	522.192
7	860+60.50	-3.208	522.036	522.164
8	860+69.63	-3.208	521.994	522.131
9	860+78.75	-3.208	521.952	522.097
10	860+87.88	-3.208	521.909	522.068
11	860+97.00	-3.208	521.867	522.039
12	861+06.13	-3.208	521.825	522.005
13	861+15.25	-3.208	521.783	521.970
14	861+24.38	-3.208	521.741	521.942
15	861+33.50	-3.208	521.698	521.912
16	861+42.63	-3.208	521.656	521.875
17	861+51.75	-3.208	521.614	521.835
18	861+60.88	-3.208	521.572	521.805
19	861+70.00	-3.208	521.530	521.776
20	861+79.13	-3.208	521.487	521.739
21	861+88.25	-3.208	521.445	521.701
22	861+97.38	-3.208	521.403	521.669
23	862+06.50	-3.208	521.361	521.636
24	862+15.63	-3.208	521.319	521.598
25	862+24.75	-3.208	521.277	521.558
26	862+33.88	-3.208	521.234	521.524
27	862+43.00	-3.208	521.192	521.490
28	862+52.13	-3.208	521.150	521.448
29	862+61.25	-3.208	521.108	521.403
30	862+70.38	-3.208	521.066	521.367
31	862+79.50	-3.208	521.023	521.332
32	862+88.63	-3.208	520.981	521.290
33	862+97.75	-3.208	520.939	521.246
34	863+06.88	-3.208	520.897	521.208
35	863+16.00	-3.208	520.855	521.169
36	863+25.13	-3.208	520.812	521.123
37	863+34.25	-3.208	520.770	521.077
38	863+43.38	-3.208	520.728	521.036
39	863+52.50	-3.208	520.686	520.994
40	863+61.63	-3.208	520.644	520.944
41	863+70.75	-3.208	520.601	520.895
42	863+79.88	-3.208	520.559	520.856
43	863+89.00	-3.208	520.517	520.813
44	863+98.13	-3.208	520.475	520.764
45	864+07.25	-3.208	520.433	520.713

STRINGER S5 (CONT'D)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevation Adjusted For Dead Load Deflection
46	864+16.38	-3.208	520.390	520.667
47	864+25.50	-3.208	520.348	520.621
48	864+34.63	-3.208	520.306	520.570
49	864+43.75	-3.208	520.264	520.518
50	864+52.88	-3.208	520.222	520.472
51	864+62.00	-3.208	520.179	520.423
52	864+71.13	-3.208	520.137	520.367
53	864+80.25	-3.208	520.095	520.314
54	864+89.38	-3.208	520.053	520.270
55	864+98.50	-3.208	520.011	520.222
56	865+07.63	-3.208	519.969	520.168
57	865+16.75	-3.208	519.926	520.111
58	865+25.88	-3.208	519.884	520.062
59	865+35.00	-3.208	519.842	520.012
60	865+44.13	-3.208	519.800	519.957
61	865+53.25	-3.208	519.758	519.901
62	865+62.38	-3.208	519.715	519.851
63	865+71.50	-3.208	519.673	519.800
64	865+80.63	-3.208	519.631	519.744
65	865+89.75	-3.208	519.589	519.687
66	865+98.88	-3.208	519.547	519.635
67	866+08.00	-3.208	519.504	519.580
68	866+17.13	-3.208	519.462	519.515
⊙ Brg. Pier 35	866+26.25	-3.208	519.420	519.443

NOTES:

1. Stations, elevations and offsets are in feet. All offsets are measured from ⊙/⊙ F.A.I. 39.
2. Work this sheet with sheet 77.

**TOP OF SLAB ELEVATIONS - SPAN 35
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)**

benesch

alfred benesch & company
Engineers - Surveyors - Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450
Job # 3856

DESIGNED -	HAA
CHECKED -	AJK
DRAWN -	VH
CHECKED -	MRB

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8/30/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET	SHEET NO.
F.A.I. 39	50-4B	LASALLE	103		313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract # 66586

STRINGER S6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevation Adjusted For Dead Load Deflection
⊕ Brg. Pier 34	860+05.75	3.208	522.289	522.311
2	860+14.88	3.208	522.247	522.298
3	860+24.00	3.208	522.205	522.278
4	860+33.13	3.208	522.163	522.248
5	860+42.25	3.208	522.120	522.214
6	860+51.38	3.208	522.078	522.187
7	860+60.50	3.208	522.036	522.159
8	860+69.63	3.208	521.994	522.125
9	860+78.75	3.208	521.952	522.090
10	860+87.88	3.208	521.909	522.061
11	860+97.00	3.208	521.867	522.032
12	861+06.13	3.208	521.825	521.997
13	861+15.25	3.208	521.783	521.962
14	861+24.38	3.208	521.741	521.934
15	861+33.50	3.208	521.698	521.903
16	861+42.63	3.208	521.656	521.866
17	861+51.75	3.208	521.614	521.825
18	861+60.88	3.208	521.572	521.795
19	861+70.00	3.208	521.530	521.766
20	861+79.13	3.208	521.487	521.728
21	861+88.25	3.208	521.445	521.690
22	861+97.38	3.208	521.403	521.658
23	862+06.50	3.208	521.361	521.624
24	862+15.63	3.208	521.319	521.586
25	862+24.75	3.208	521.277	521.546
26	862+33.88	3.208	521.234	521.512
27	862+43.00	3.208	521.192	521.477
28	862+52.13	3.208	521.150	521.436
29	862+61.25	3.208	521.108	521.390
30	862+70.38	3.208	521.066	521.355
31	862+79.50	3.208	521.023	521.319
32	862+88.63	3.208	520.981	521.277
33	862+97.75	3.208	520.939	521.233
34	863+06.88	3.208	520.897	521.195
35	863+16.00	3.208	520.855	521.155
36	863+25.13	3.208	520.812	521.109
37	863+34.25	3.208	520.770	521.063
38	863+43.38	3.208	520.728	521.023
39	863+52.50	3.208	520.686	520.981
40	863+61.63	3.208	520.644	520.931
41	863+70.75	3.208	520.601	520.882
42	863+79.88	3.208	520.559	520.843
43	863+89.00	3.208	520.517	520.801
44	863+98.13	3.208	520.475	520.751
45	864+07.25	3.208	520.433	520.700

STRINGER S6 (CONT'D)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevation Adjusted For Dead Load Deflection
46	864+16.38	3.208	520.390	520.655
47	864+25.50	3.208	520.348	520.609
48	864+34.63	3.208	520.306	520.558
49	864+43.75	3.208	520.264	520.507
50	864+52.88	3.208	520.222	520.461
51	864+62.00	3.208	520.179	520.412
52	864+71.13	3.208	520.137	520.357
53	864+80.25	3.208	520.095	520.304
54	864+89.38	3.208	520.053	520.260
55	864+98.50	3.208	520.011	520.213
56	865+07.63	3.208	519.969	520.159
57	865+16.75	3.208	519.926	520.103
58	865+25.88	3.208	519.884	520.054
59	865+35.00	3.208	519.842	520.005
60	865+44.13	3.208	519.800	519.950
61	865+53.25	3.208	519.758	519.895
62	865+62.38	3.208	519.715	519.845
63	865+71.50	3.208	519.673	519.795
64	865+80.63	3.208	519.631	519.739
65	865+89.75	3.208	519.589	519.682
66	865+98.88	3.208	519.547	519.632
67	866+08.00	3.208	519.504	519.577
68	866+17.13	3.208	519.462	519.513
⊕ Brg. Pier 35	866+26.25	3.208	519.420	519.442

NB PGL

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevation Adjusted For Dead Load Deflection
⊕ Brg. Pier 34	860+05.75	7.708	522.199	522.220
2	860+14.88	7.708	522.157	522.207
3	860+24.00	7.708	522.115	522.188
4	860+33.13	7.708	522.073	522.159
5	860+42.25	7.708	522.031	522.127
6	860+51.38	7.708	521.988	522.099
7	860+60.50	7.708	521.946	522.071
8	860+69.63	7.708	521.904	522.038
9	860+78.75	7.708	521.862	522.004
10	860+87.88	7.708	521.820	521.976
11	860+97.00	7.708	521.777	521.946
12	861+06.13	7.708	521.735	521.912
13	861+15.25	7.708	521.693	521.878
14	861+24.38	7.708	521.651	521.849
15	861+33.50	7.708	521.609	521.819
16	861+42.63	7.708	521.566	521.782
17	861+51.75	7.708	521.524	521.743
18	861+60.88	7.708	521.482	521.712
19	861+70.00	7.708	521.440	521.683
20	861+79.13	7.708	521.398	521.647
21	861+88.25	7.708	521.355	521.608
22	861+97.38	7.708	521.313	521.576
23	862+06.50	7.708	521.271	521.542
24	862+15.63	7.708	521.229	521.504
25	862+24.75	7.708	521.187	521.465
26	862+33.88	7.708	521.144	521.431
27	862+43.00	7.708	521.102	521.396
28	862+52.13	7.708	521.060	521.354
29	862+61.25	7.708	521.018	521.310
30	862+70.38	7.708	520.976	521.273
31	862+79.50	7.708	520.933	521.237
32	862+88.63	7.708	520.891	521.196
33	862+97.75	7.708	520.849	521.152
34	863+06.88	7.708	520.807	521.113
35	863+16.00	7.708	520.765	521.074
36	863+25.13	7.708	520.722	521.028
37	863+34.25	7.708	520.680	520.982
38	863+43.38	7.708	520.638	520.941
39	863+52.50	7.708	520.596	520.898
40	863+61.63	7.708	520.554	520.849
41	863+70.75	7.708	520.512	520.801
42	863+79.88	7.708	520.469	520.760
43	863+89.00	7.708	520.427	520.717
44	863+98.13	7.708	520.385	520.668
45	864+07.25	7.708	520.343	520.617

NB PGL (CONT'D)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevation Adjusted For Dead Load Deflection
46	864+16.38	7.708	520.301	520.572
47	864+25.50	7.708	520.258	520.525
48	864+34.63	7.708	520.216	520.474
49	864+43.75	7.708	520.174	520.422
50	864+52.88	7.708	520.132	520.376
51	864+62.00	7.708	520.089	520.326
52	864+71.13	7.708	520.047	520.271
53	864+80.25	7.708	520.005	520.218
54	864+89.38	7.708	519.963	520.174
55	864+98.50	7.708	519.921	520.126
56	865+07.63	7.708	519.879	520.072
57	865+16.75	7.708	519.836	520.016
58	865+25.88	7.708	519.794	519.966
59	865+35.00	7.708	519.752	519.916
60	865+44.13	7.708	519.710	519.862
61	865+53.25	7.708	519.668	519.806
62	865+62.38	7.708	519.625	519.755
63	865+71.50	7.708	519.583	519.705
64	865+80.63	7.708	519.541	519.649
65	865+89.75	7.708	519.499	519.593
66	865+98.88	7.708	519.457	519.541
67	866+08.00	7.708	519.414	519.486
68	866+17.13	7.708	519.372	519.422
⊕ Brg. Pier 35	866+26.25	7.708	519.330	519.351

- NOTES:**
1. Stations, elevations and offsets are in feet. All offsets are measured from ⊕/⊗ F.A.I. 39.
 2. Work this sheet with sheet 77.

**TOP OF SLAB ELEVATIONS - SPAN 35
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)**

benesch
alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450
Job # 3856

DESIGNED -	HAA
CHECKED -	AJK
DRAWN -	VH
CHECKED -	MRB

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET
F.A.I. 39	50-4B	LASALLE	104	313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

Contract # 66586

STRINGER S7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevation Adjusted For Dead Load Deflection
℄ Brg. Pier 34	860+05.75	12.458	522.104	522.125
2	860+14.88	12.458	522.062	522.112
3	860+24.00	12.458	522.020	522.092
4	860+33.13	12.458	521.978	522.064
5	860+42.25	12.458	521.935	522.032
6	860+51.38	12.458	521.893	522.006
7	860+60.50	12.458	521.851	521.978
8	860+69.63	12.458	521.809	521.946
9	860+78.75	12.458	521.767	521.913
10	860+87.88	12.458	521.724	521.884
11	860+97.00	12.458	521.682	521.855
12	861+06.13	12.458	521.640	521.822
13	861+15.25	12.458	521.598	521.789
14	861+24.38	12.458	521.556	521.760
15	861+33.50	12.458	521.513	521.730
16	861+42.63	12.458	521.471	521.694
17	861+51.75	12.458	521.429	521.655
18	861+60.88	12.458	521.387	521.624
19	861+70.00	12.458	521.345	521.595
20	861+79.13	12.458	521.302	521.559
21	861+88.25	12.458	521.260	521.522
22	861+97.38	12.458	521.218	521.490
23	862+06.50	12.458	521.176	521.456
24	862+15.63	12.458	521.134	521.418
25	862+24.75	12.458	521.092	521.380
26	862+33.88	12.458	521.049	521.345
27	862+43.00	12.458	521.007	521.310
28	862+52.13	12.458	520.965	521.269
29	862+61.25	12.458	520.923	521.224
30	862+70.38	12.458	520.881	521.188
31	862+79.50	12.458	520.838	521.151
32	862+88.63	12.458	520.796	521.110
33	862+97.75	12.458	520.754	521.066
34	863+06.88	12.458	520.712	521.028
35	863+16.00	12.458	520.670	520.987
36	863+25.13	12.458	520.627	520.942
37	863+34.25	12.458	520.585	520.896
38	863+43.38	12.458	520.543	520.854
39	863+52.50	12.458	520.501	520.811
40	863+61.63	12.458	520.459	520.762
41	863+70.75	12.458	520.416	520.713
42	863+79.88	12.458	520.374	520.673
43	863+89.00	12.458	520.332	520.629
44	863+98.13	12.458	520.290	520.580
45	864+07.25	12.458	520.248	520.529

STRINGER S7 (CONT'D)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevation Adjusted For Dead Load Deflection
46	864+16.38	12.458	520.205	520.482
47	864+25.50	12.458	520.163	520.435
48	864+34.63	12.458	520.121	520.384
49	864+43.75	12.458	520.079	520.333
50	864+52.88	12.458	520.037	520.285
51	864+62.00	12.458	519.994	520.236
52	864+71.13	12.458	519.952	520.181
53	864+80.25	12.458	519.910	520.127
54	864+89.38	12.458	519.868	520.082
55	864+98.50	12.458	519.826	520.034
56	865+07.63	12.458	519.784	519.980
57	865+16.75	12.458	519.741	519.923
58	865+25.88	12.458	519.699	519.873
59	865+35.00	12.458	519.657	519.823
60	865+44.13	12.458	519.615	519.768
61	865+53.25	12.458	519.573	519.713
62	865+62.38	12.458	519.530	519.661
63	865+71.50	12.458	519.488	519.610
64	865+80.63	12.458	519.446	519.554
65	865+89.75	12.458	519.404	519.498
66	865+98.88	12.458	519.362	519.446
67	866+08.00	12.458	519.319	519.390
68	866+17.13	12.458	519.277	519.326
℄ Brg. Pier 35	866+26.25	12.458	519.235	519.256

STRINGER S8

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevation Adjusted For Dead Load Deflection
℄ Brg. Pier 34	860+05.75	21.708	521.919	521.936
2	860+14.88	21.708	521.877	521.923
3	860+24.00	21.708	521.835	521.903
4	860+33.13	21.708	521.793	521.876
5	860+42.25	21.708	521.753	521.848
6	860+51.38	21.708	521.708	521.820
7	860+60.50	21.708	521.666	521.793
8	860+69.63	21.708	521.624	521.762
9	860+78.75	21.708	521.582	521.730
10	860+87.88	21.708	521.539	521.702
11	860+97.00	21.708	521.497	521.675
12	861+06.13	21.708	521.455	521.643
13	861+15.25	21.708	521.413	521.610
14	861+24.38	21.708	521.371	521.583
15	861+33.50	21.708	521.328	521.553
16	861+42.63	21.708	521.286	521.518
17	861+51.75	21.708	521.244	521.480
18	861+60.88	21.708	521.202	521.450
19	861+70.00	21.708	521.160	521.421
20	861+79.13	21.708	521.117	521.386
21	861+88.25	21.708	521.075	521.349
22	861+97.38	21.708	521.033	521.317
23	862+06.50	21.708	520.991	521.284
24	862+15.63	21.708	520.949	521.246
25	862+24.75	21.708	520.907	521.208
26	862+33.88	21.708	520.864	521.174
27	862+43.00	21.708	520.822	521.138
28	862+52.13	21.708	520.780	521.098
29	862+61.25	21.708	520.738	521.054
30	862+70.38	21.708	520.696	521.017
31	862+79.50	21.708	520.653	520.980
32	862+88.63	21.708	520.611	520.939
33	862+97.75	21.708	520.569	520.895
34	863+06.88	21.708	520.527	520.856
35	863+16.00	21.708	520.485	520.815
36	863+25.13	21.708	520.442	520.769
37	863+34.25	21.708	520.400	520.723
38	863+43.38	21.708	520.358	520.681
39	863+52.50	21.708	520.316	520.638
40	863+61.63	21.708	520.274	520.588
41	863+70.75	21.708	520.231	520.539
42	863+79.88	21.708	520.189	520.498
43	863+89.00	21.708	520.147	520.454
44	863+98.13	21.708	520.105	520.404
45	864+07.25	21.708	520.063	520.352

STRINGER S8 (CONT'D)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevation Adjusted For Dead Load Deflection
46	864+16.38	21.708	520.021	520.306
47	864+25.50	21.708	519.978	520.257
48	864+34.63	21.708	519.936	520.206
49	864+43.75	21.708	519.894	520.153
50	864+52.88	21.708	519.852	520.106
51	864+62.00	21.708	519.810	520.056
52	864+71.13	21.708	519.767	520.000
53	864+80.25	21.708	519.725	519.946
54	864+89.38	21.708	519.683	519.900
55	864+98.50	21.708	519.641	519.851
56	865+07.63	21.708	519.599	519.796
57	865+16.75	21.708	519.556	519.739
58	865+25.88	21.708	519.514	519.688
59	865+35.00	21.708	519.472	519.637
60	865+44.13	21.708	519.430	519.581
61	865+53.25	21.708	519.388	519.525
62	865+62.38	21.708	519.345	519.473
63	865+71.50	21.708	519.303	519.421
64	865+80.63	21.708	519.261	519.365
65	865+89.75	21.708	519.219	519.308
66	865+98.88	21.708	519.177	519.255
67	866+08.00	21.708	519.134	519.199
68	866+17.13	21.708	519.092	519.136
℄ Brg. Pier 35	866+26.25	21.708	519.050	519.067

NOTES:

1. Stations, elevations and offsets are in feet. All offsets are measured from ℄/℄ F.A.I. 39.
2. Work this sheet with sheet 77.

TOP OF SLAB ELEVATIONS - SPAN 35
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)

F.A.I. ROUTE 39 SEC. (50-4B) BR

LASALLE COUNTY

STATION 863+16.00

STRUCTURE NO. 050-0191 (SB & NB)

benesch

alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450
Job # 3856

DESIGNED -	HAA
CHECKED -	AJK
DRAWN -	VH
CHECKED -	MRB

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8/30/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. 83 313 SHEETS
F.A.I. 39	50-4B	LASALLE		105	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract # 66586

STRINGER S9

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevation Adjusted For Dead Load Deflection
℄ Brg. Pier 34	860+05.75	30.958	521.734	521.746
2	860+14.88	30.958	521.692	521.732
3	860+24.00	30.958	521.650	521.712
4	860+33.13	30.958	521.608	521.684
5	860+42.25	30.958	521.565	521.653
6	860+51.38	30.958	521.523	521.628
7	860+60.50	30.958	521.481	521.603
8	860+69.63	30.958	521.439	521.573
9	860+78.75	30.958	521.397	521.543
10	860+87.88	30.958	521.354	521.516
11	860+97.00	30.958	521.312	521.489
12	861+06.13	30.958	521.270	521.458
13	861+15.25	30.958	521.228	521.427
14	861+24.38	30.958	521.186	521.400
15	861+33.50	30.958	521.143	521.372
16	861+42.63	30.958	521.101	521.338
17	861+51.75	30.958	521.059	521.301
18	861+60.88	30.958	521.017	521.271
19	861+70.00	30.958	520.975	521.243
20	861+79.13	30.958	520.932	521.208
21	861+88.25	30.958	520.890	521.171
22	861+97.38	30.958	520.848	521.139
23	862+06.50	30.958	520.806	521.107
24	862+15.63	30.958	520.764	521.069
25	862+24.75	30.958	520.722	521.031
26	862+33.88	30.958	520.679	520.998
27	862+43.00	30.958	520.637	520.963
28	862+52.13	30.958	520.595	520.922
29	862+61.25	30.958	520.553	520.879
30	862+70.38	30.958	520.511	520.842
31	862+79.50	30.958	520.468	520.805
32	862+88.63	30.958	520.426	520.763
33	862+97.75	30.958	520.384	520.719
34	863+06.88	30.958	520.342	520.679
35	863+16.00	30.958	520.300	520.639
36	863+25.13	30.958	520.257	520.592
37	863+34.25	30.958	520.215	520.546
38	863+43.38	30.958	520.173	520.504
39	863+52.50	30.958	520.131	520.460
40	863+61.63	30.958	520.089	520.410
41	863+70.75	30.958	520.047	520.362
42	863+79.88	30.958	520.004	520.319
43	863+89.00	30.958	519.962	520.274
44	863+98.13	30.958	519.920	520.223
45	864+07.25	30.958	519.878	520.171

STRINGER S9 (CONT'D)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevation Adjusted For Dead Load Deflection
46	864+16.38	30.958	519.836	520.123
47	864+25.50	30.958	519.793	520.074
48	864+34.63	30.958	519.751	520.022
49	864+43.75	30.958	519.709	519.969
50	864+52.88	30.958	519.667	519.921
51	864+62.00	30.958	519.625	519.871
52	864+71.13	30.958	519.582	519.814
53	864+80.25	30.958	519.540	519.760
54	864+89.38	30.958	519.498	519.713
55	864+98.50	30.958	519.456	519.663
56	865+07.63	30.958	519.414	519.607
57	865+16.75	30.958	519.371	519.549
58	865+25.88	30.958	519.329	519.498
59	865+35.00	30.958	519.287	519.446
60	865+44.13	30.958	519.245	519.390
61	865+53.25	30.958	519.203	519.333
62	865+62.38	30.958	519.160	519.280
63	865+71.50	30.958	519.118	519.227
64	865+80.63	30.958	519.076	519.170
65	865+89.75	30.958	519.034	519.113
66	865+98.88	30.958	518.992	519.061
67	866+08.00	30.958	518.949	519.007
68	866+17.13	30.958	518.907	518.945
℄ Brg. Pier 35	866+26.25	30.958	518.865	518.877

STRINGER S10

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevation Adjusted For Dead Load Deflection
℄ Brg. Pier 34	860+05.75	40.208	521.549	521.554
2	860+14.88	40.208	521.507	521.540
3	860+24.00	40.208	521.465	521.519
4	860+33.13	40.208	521.423	521.489
5	860+42.25	40.208	521.380	521.457
6	860+51.38	40.208	521.338	521.433
7	860+60.50	40.208	521.296	521.410
8	860+69.63	40.208	521.254	521.382
9	860+78.75	40.208	521.212	521.352
10	860+87.88	40.208	521.169	521.327
11	860+97.00	40.208	521.127	521.302
12	861+06.13	40.208	521.085	521.271
13	861+15.25	40.208	521.043	521.240
14	861+24.38	40.208	521.001	521.215
15	861+33.50	40.208	520.958	521.188
16	861+42.63	40.208	520.916	521.155
17	861+51.75	40.208	520.874	521.118
18	861+60.88	40.208	520.832	521.090
19	861+70.00	40.208	520.790	521.063
20	861+79.13	40.208	520.747	521.027
21	861+88.25	40.208	520.705	520.990
22	861+97.38	40.208	520.663	520.959
23	862+06.50	40.208	520.621	520.927
24	862+15.63	40.208	520.579	520.890
25	862+24.75	40.208	520.537	520.851
26	862+33.88	40.208	520.494	520.819
27	862+43.00	40.208	520.452	520.785
28	862+52.13	40.208	520.410	520.744
29	862+61.25	40.208	520.368	520.700
30	862+70.38	40.208	520.326	520.664
31	862+79.50	40.208	520.283	520.627
32	862+88.63	40.208	520.241	520.584
33	862+97.75	40.208	520.199	520.539
34	863+06.88	40.208	520.157	520.500
35	863+16.00	40.208	520.115	520.459
36	863+25.13	40.208	520.072	520.412
37	863+34.25	40.208	520.030	520.365
38	863+43.38	40.208	519.988	520.324
39	863+52.50	40.208	519.946	520.280
40	863+61.63	40.208	519.904	520.230
41	863+70.75	40.208	519.862	520.180
42	863+79.88	40.208	519.819	520.137
43	863+89.00	40.208	519.777	520.092
44	863+98.13	40.208	519.735	520.039
45	864+07.25	40.208	519.693	519.985

STRINGER S10 (CONT'D)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevation Adjusted For Dead Load Deflection
46	864+16.38	40.208	519.651	519.938
47	864+25.50	40.208	519.608	519.889
48	864+34.63	40.208	519.566	519.836
49	864+43.75	40.208	519.524	519.782
50	864+52.88	40.208	519.482	519.734
51	864+62.00	40.208	519.440	519.684
52	864+71.13	40.208	519.397	519.627
53	864+80.25	40.208	519.355	519.571
54	864+89.38	40.208	519.313	519.524
55	864+98.50	40.208	519.271	519.473
56	865+07.63	40.208	519.229	519.416
57	865+16.75	40.208	519.186	519.356
58	865+25.88	40.208	519.144	519.305
59	865+35.00	40.208	519.102	519.253
60	865+44.13	40.208	519.060	519.196
61	865+53.25	40.208	519.018	519.137
62	865+62.38	40.208	518.975	519.084
63	865+71.50	40.208	518.933	519.031
64	865+80.63	40.208	518.891	518.972
65	865+89.75	40.208	518.849	518.915
66	865+98.88	40.208	518.807	518.865
67	866+08.00	40.208	518.764	518.812
68	866+17.13	40.208	518.722	518.752
℄ Brg. Pier 35	866+26.25	40.208	518.680	518.685

NOTES:

1. Stations, elevations and offsets are in feet. All offsets are measured from ℄/℄ F.A.I. 39.
2. Work this sheet with sheet 77.

TOP OF SLAB ELEVATIONS - SPAN 35
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-665-0450
Job # 3856

DESIGNED -	HAA
CHECKED -	AJK
DRAWN -	VH
CHECKED -	MRB

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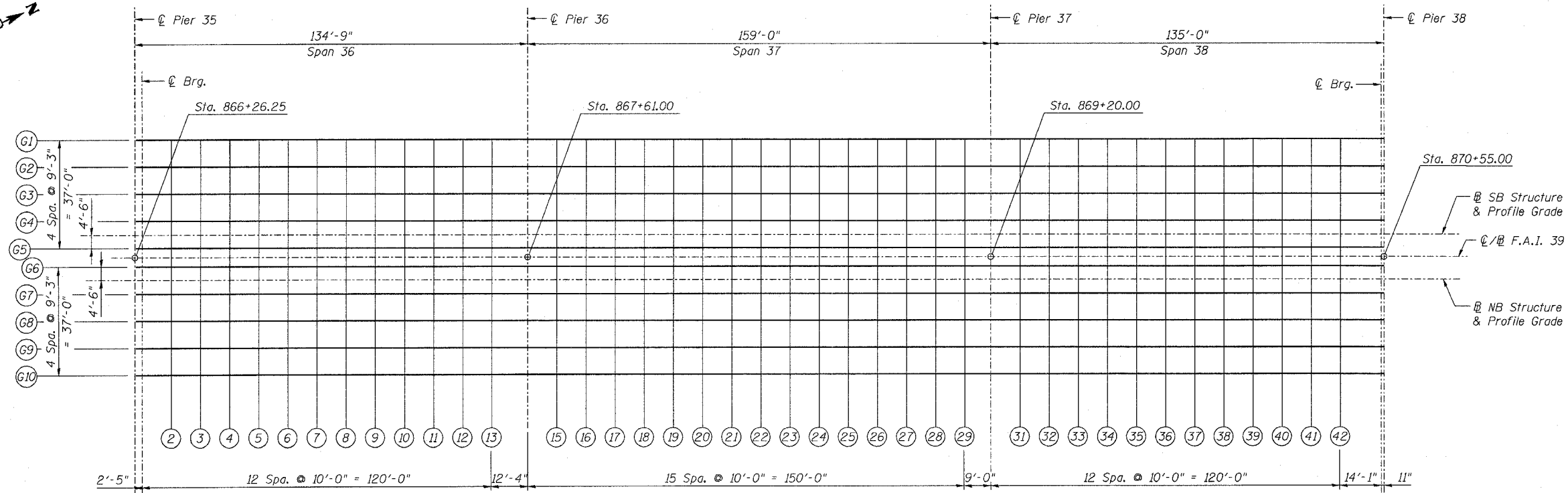
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
F.A.I. 39	50-4B	LASALLE	106	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

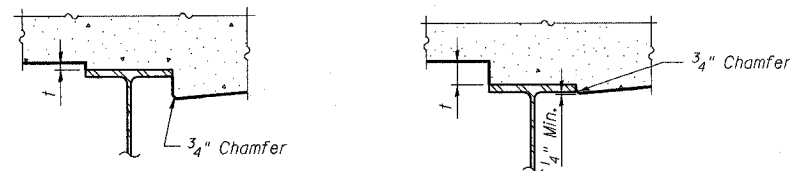
Contract # 66586



PLAN

NOTES:

1. Dead load deflections used for the Dead Load Deflection Diagram and the tabulated Elevation Adjusted for Dead Load Deflection are based on the pour sequence shown on sheet 21. If the pour is modified, the dead load deflections must be recalculated and approved by the Engineer. See General Notes.
2. For stations and top of slab elevations see sheets 85 thru 87.



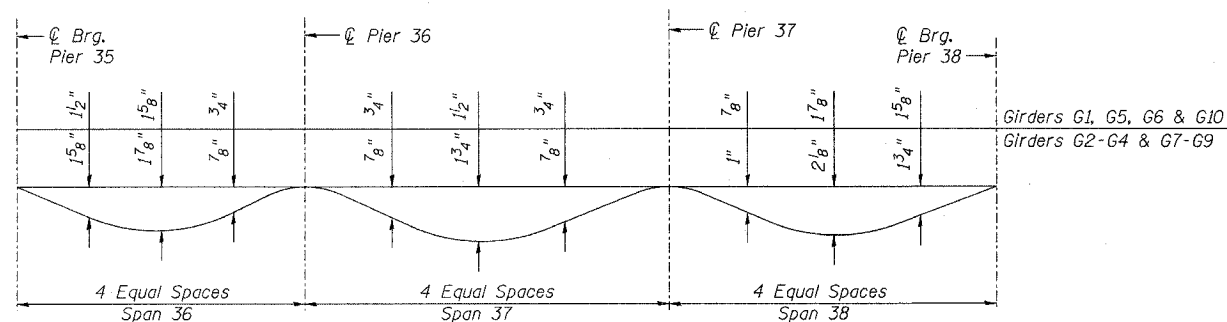
AT MINIMUM FILLET

AT MAXIMUM FILLET

To determine "t": After all structural steel has been erected, elevations at the top of flanges of the girders shall be taken at intervals shown on this sheet. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheets 85 thru 87, minus slab thickness, equals the fillet heights "t" above top flange of girders.

FILLET HEIGHTS

DESIGNED -	AJK
CHECKED -	MRB
DRAWN -	VH
CHECKED -	MRB



DEAD LOAD DEFLECTION DIAGRAM
(Due to weight of concrete only)

Note:
The above deflections are not to be used in the field if the Engineer is working from the grade elevations adjusted for dead load deflections as shown on sheets 85 thru 87.

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Job # 3856

SCREED PLAN - SPANS 36 THRU 38
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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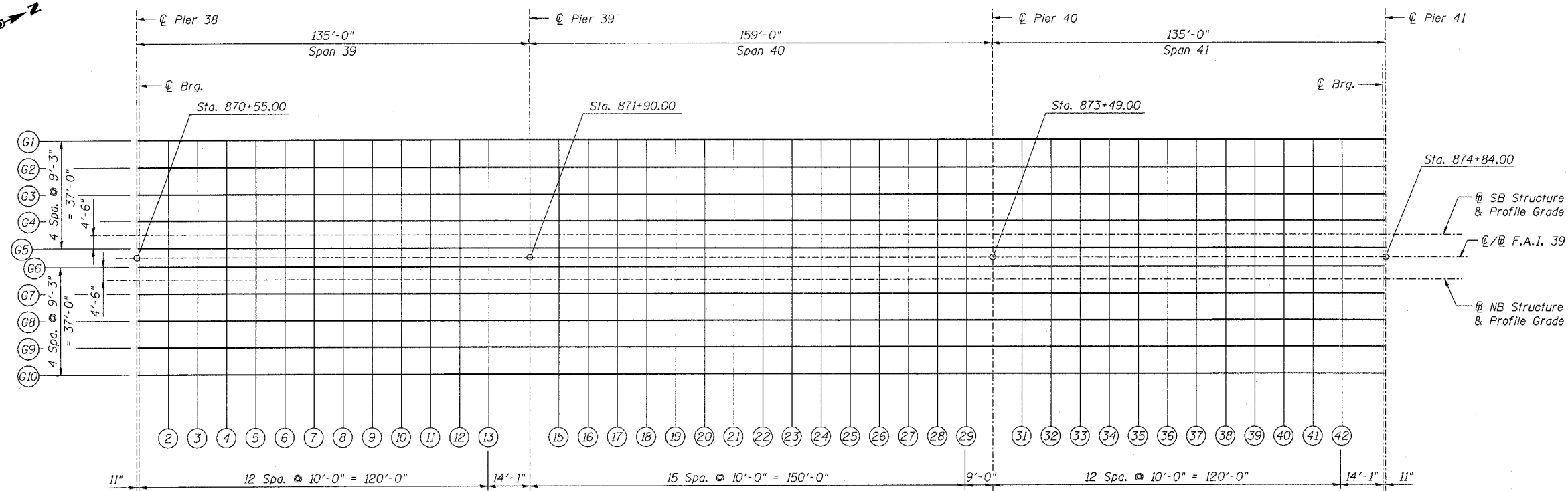
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8/30/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	TOTAL SHEETS 110	SHEET NO. 110	SHEET NO. 88 313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT	

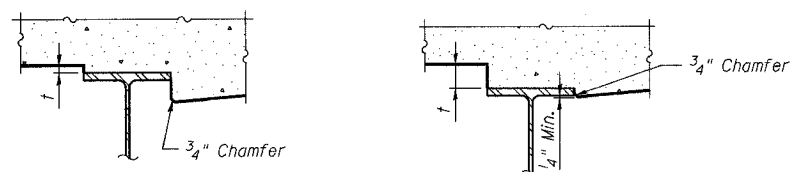
Contract # 66586



PLAN

NOTES:

1. Dead load deflections used for the Dead Load Deflection Diagram and the tabulated Elevation Adjusted for Dead Load Deflection are based on the pour sequence shown on sheet 21. If the pour is modified, the dead load deflections must be recalculated and approved by the Engineer. See General Notes.
2. For stations and top of slab elevations see sheets 89 thru 91.



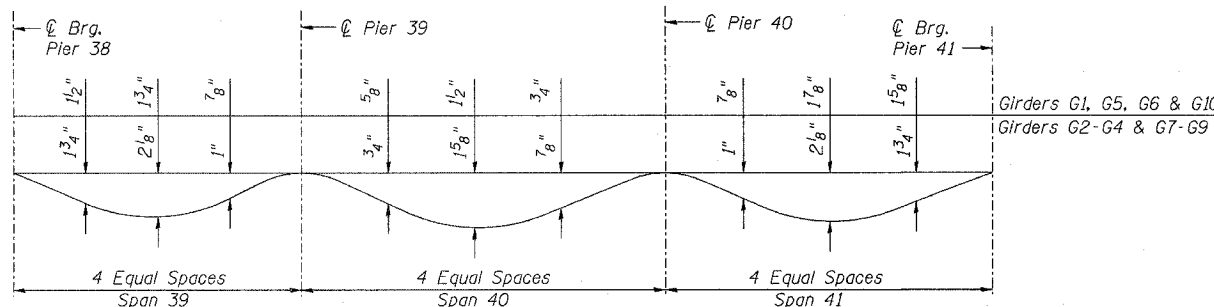
AT MINIMUM FILLET

AT MAXIMUM FILLET

To determine "t": After all structural steel has been erected, elevations at the top of flanges of the girders shall be taken at intervals shown on this sheet. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheets 89 thru 91, minus slab thickness, equals the fillet heights "t" above top flange of girders.

FILLET HEIGHTS

DESIGNED -	AJK
CHECKED -	MRB
DRAWN -	VH
CHECKED -	MRB



DEAD LOAD DEFLECTION DIAGRAM
(Due to weight of concrete only)

Note:
The above deflections are not to be used in the field if the Engineer is working from the grade elevations adjusted for dead load deflections as shown on sheets 89 thru 91.

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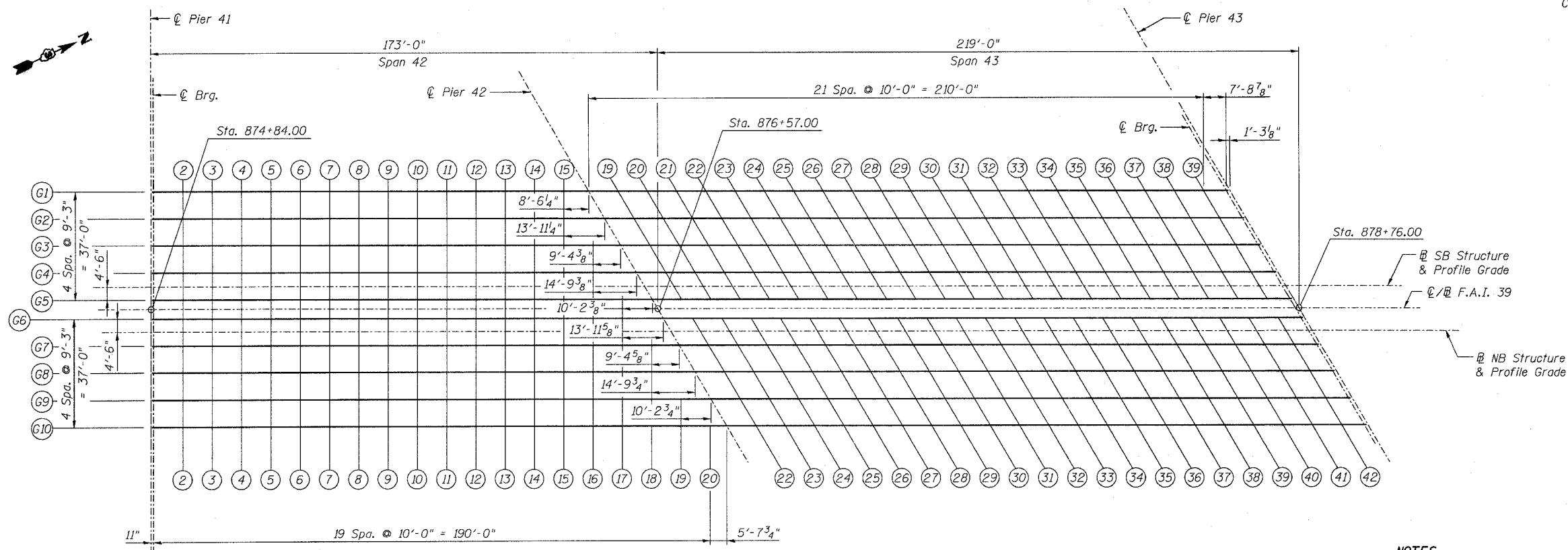
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Job # 3856

SCREED PLAN - SPANS 39 THRU 41
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 39	50-4B	LASALLE	114	92
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

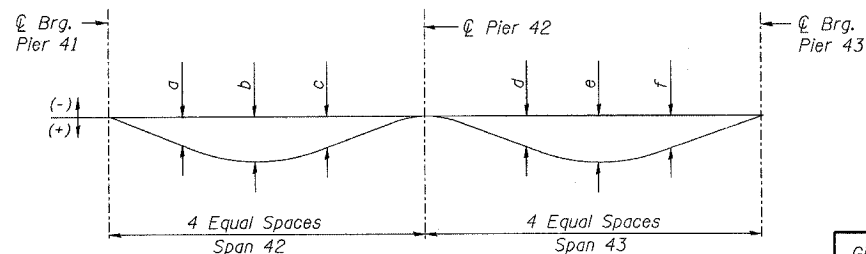
Contract # 66586



PLAN

NOTES:

1. Dead load deflections used for the Dead Load Deflection Diagram and the tabulated Elevation Adjusted for Dead Load Deflection are based on the pour sequence shown on sheet 21. If the pour is modified, the dead load deflections must be recalculated and approved by the Engineer. See General Notes.
2. For stations and top of slab elevations see sheets 93 thru 95.



DEAD LOAD DEFLECTION DIAGRAM

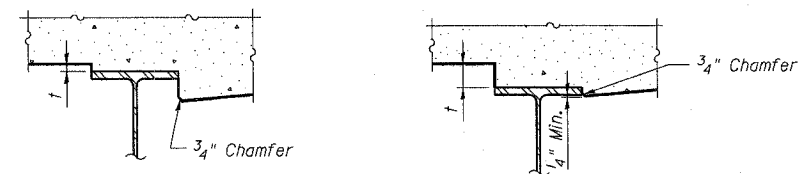
(Due to weight of concrete only)

DEAD LOAD DEFLECTION TABLE

Girder	a	b	c	d	e	f
G1	1/8"	-1/4"	-1/2"	2 7/8"	5 1/4"	4 1/8"
G2	1/4"	-1/8"	-1/2"	3 3/8"	5 3/4"	4 5/8"
G3	1/2"	1/8"	-1/2"	3 1/8"	5 7/8"	4 5/8"
G4	5/8"	1/4"	-3/8"	2 3/4"	5 1/8"	4"
G5	3/4"	1/2"	-1/4"	2 5/8"	4 7/8"	3 7/8"
G6	1"	7/8"	0	2 1/4"	4 1/2"	3 3/4"
G7	1 3/8"	1 1/4"	1/4"	2 1/2"	5"	4 1/8"
G8	1 5/8"	1 5/8"	3/8"	2 3/8"	5"	4 1/8"
G9	2"	2"	5/8"	2 1/4"	4 3/8"	3 1/2"
G10	2 1/4"	2 1/4"	3/4"	1 3/4"	3 7/8"	3 1/4"

Note:

The above deflections are not to be used in the field if the Engineer is working from the grade elevations adjusted for dead load deflections as shown on sheets 93 thru 95.



AT MINIMUM FILLET

AT MAXIMUM FILLET

To determine "t": After all structural steel has been erected, elevations at the top of flanges of the girders shall be taken at intervals shown on this sheet. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheets 93 thru 95, minus slab thickness, equals the fillet heights "t" above top flange of girders.

FILLET HEIGHTS

DESIGNED -	AJK
CHECKED -	MRB
DRAWN -	VH
CHECKED -	MRB

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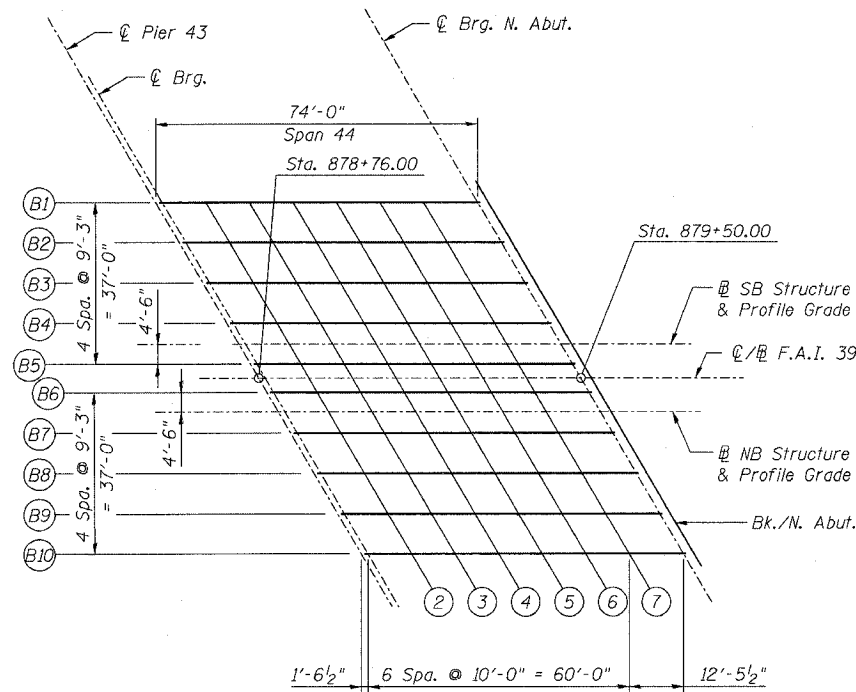
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Job # 3856

SCREED PLAN - SPANS 42 AND 43
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

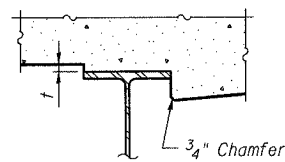
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 39	50-4B	LASALLE	118	96
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

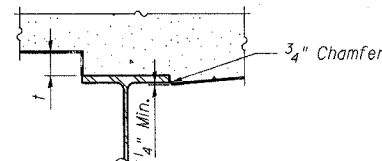
Contract # 66586



PLAN



AT MINIMUM FILLET

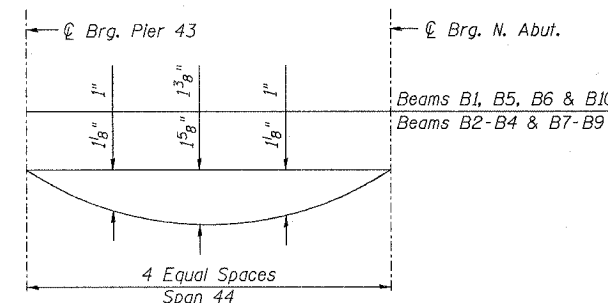


AT MAXIMUM FILLET

To determine "t": After all structural steel has been erected, elevations at the top of flanges of the beams shall be taken at intervals shown on this sheet. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheet 97, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

DESIGNED -	AJK
CHECKED -	MRB
DRAWN -	VH
CHECKED -	MRB



DEAD LOAD DEFLECTION DIAGRAM
(Due to weight of concrete only)

Note:
The above deflections are not to be used in the field if the Engineer is working from the grade elevations adjusted for dead load deflections as shown on sheet 97.

NOTES:

1. Dead load deflections used for the Dead Load Deflection Diagram and the tabulated Elevation Adjusted for Dead Load Deflection are based on the pour sequence shown on sheet 21. If the pour is modified, the dead load deflections must be recalculated and approved by the Engineer. See General Notes.
2. For stations and top of slab elevations see sheet 97.

SCREED PLAN - SPAN 44
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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312-565-0450
Job # 3856

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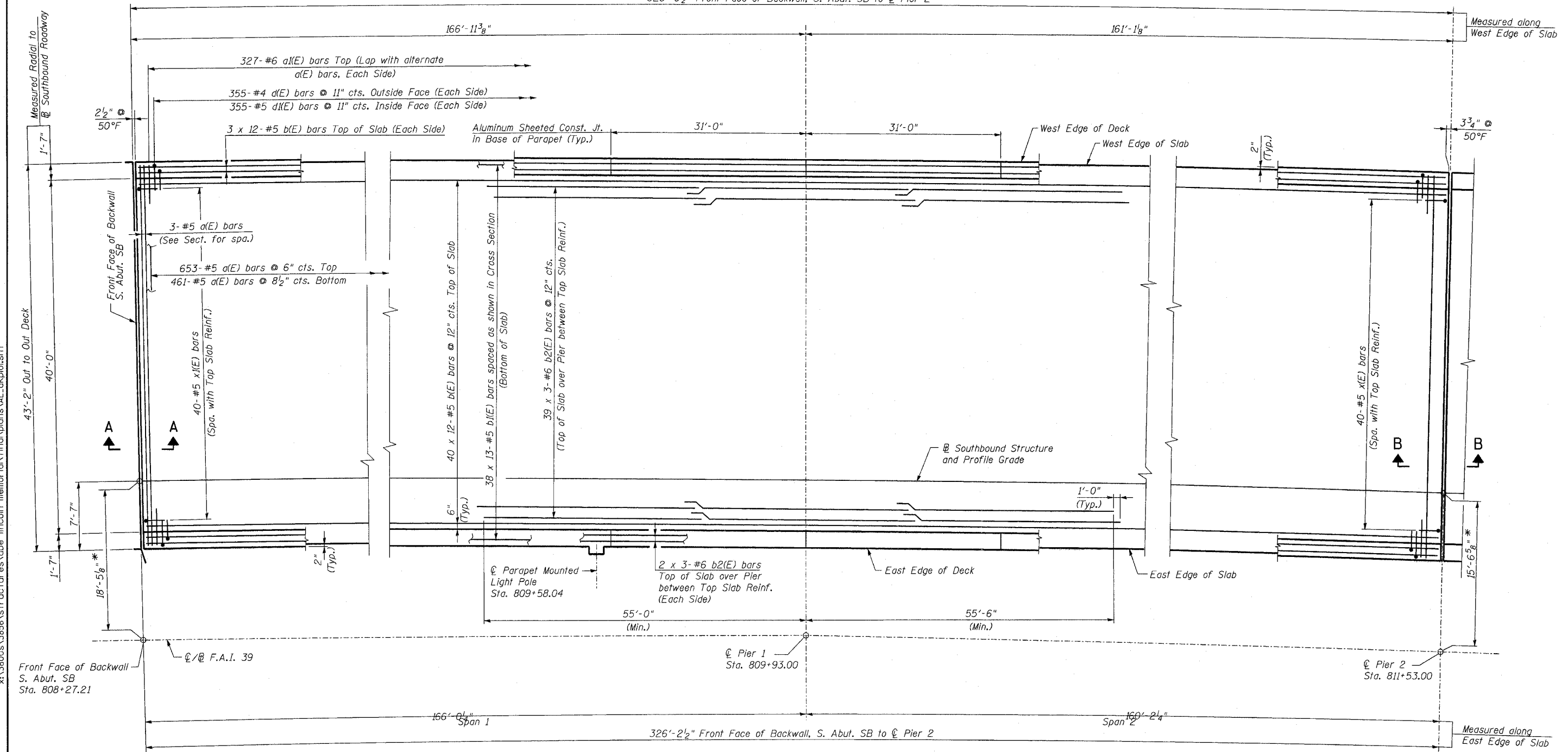
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	ASSETS	SHEET	SHEET NO. 98 313 SHEETS
F.A.I. 39	50-4B	LASALLE		120	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract # 66586

328'-0 1/2" Front Face of Backwall, S. Abut. SB to C/Pier 2



PLAN



* Measured Radial to
C/P F.A.I. 39

NOTES:

1. For Deck Cross Section see sheet 162.
2. For Bill of Material and Reinforcement Schedule see sheet 102.
3. For Deck Details, Section A-A & B-B see sheets 166 thru 169.
4. Reinforcement bars designated (E) shall be epoxy coated.
5. Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
6. Floor Drains and Scuppers not shown. For locations, see sheets 175 and 176.
7. For Scupper Details see sheets 177 and 178.
8. For additional deck reinforcement at Scupper locations see sheet 166.
9. For additional deck reinforcement at Parapet Mounted Light Pole locations see sheet 169.

MINIMUM BAR LAP
(Slab)

- #5 bar = 2'-2"
- #6 bar = 2'-7"

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

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Job # 3856

DECK PLAN - SPANS 1 AND 2 SB
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

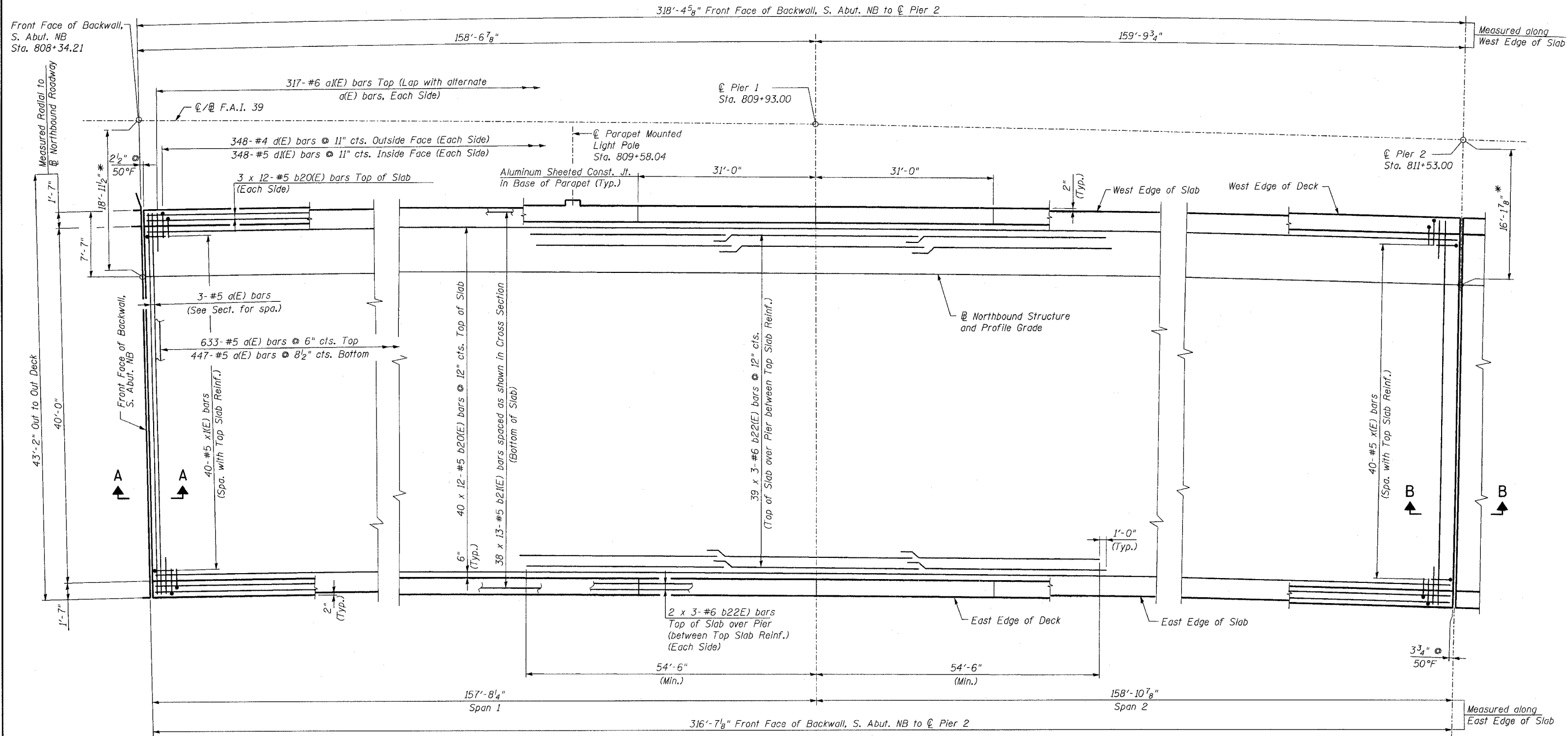
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8/30/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 99
F.A.I. 39	50-4B	LASALLE		121	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	Contract # 66586		



PLAN

* Measured Radial to C/ @ F.A.I. 39

NOTES:
1. For Notes see sheet 98.



DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

MINIMUM BAR LAP
(Slab)
#5 bar = 2'-2"
#6 bar = 2'-7"

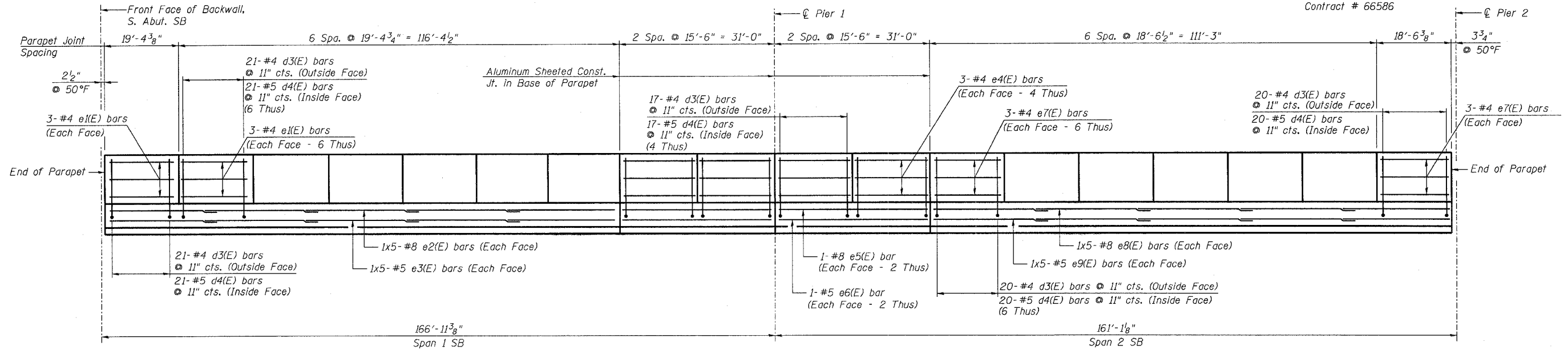
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alfred benesch & company
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205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-865-0460
Job # 3856

DECK PLAN - SPANS 1 AND 2 NB
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

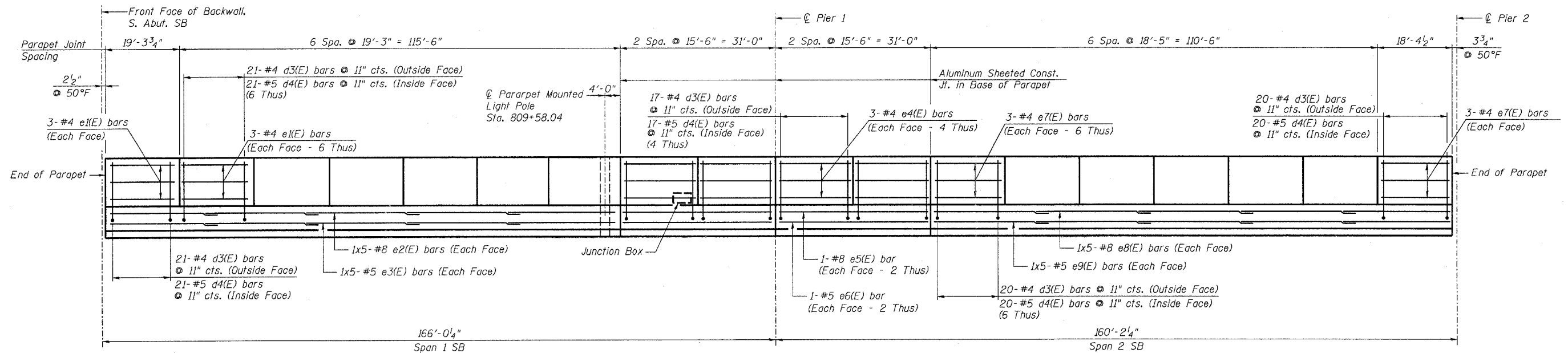
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. 100
F.A.I. 39	50-4B	LASALLE		122	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	Contract # 66586		



INSIDE ELEVATION OF OUTSIDE PARAPET - SB



REFLECTED INSIDE ELEVATION OF MEDIAN PARAPET - SB

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Bars indicated thus 3x4 - #4 etc. indicates 3 lines of bars with 4 lengths per line.
3. Use the following minimum lap lengths unless otherwise noted:
 - #4 - 1'-8"
 - #5 - 2'-2"
 - #8 - 4'-6"
4. For Bill of Material and Reinforcement schedule see sheet 102.
5. All edges have 3/4" chamfer.
6. For section through parapet see sheets 166 and 168.
7. For Parapet Mounted Light Pole detail and additional reinforcement see sheet 169.
8. Longitudinal dimensions and joint spacing are measured along the edge of slab.
9. For Junction Box locations, see Electrical Plans.
10. For additional rebar at Junction Box, see sheet 169.

DESIGNED -	AJK
CHECKED -	KWS
DRAWN -	AR
CHECKED -	MRB

PARAPET ELEVATION - SPANS 1 AND 2 SB
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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312-565-0450
Job # 3856

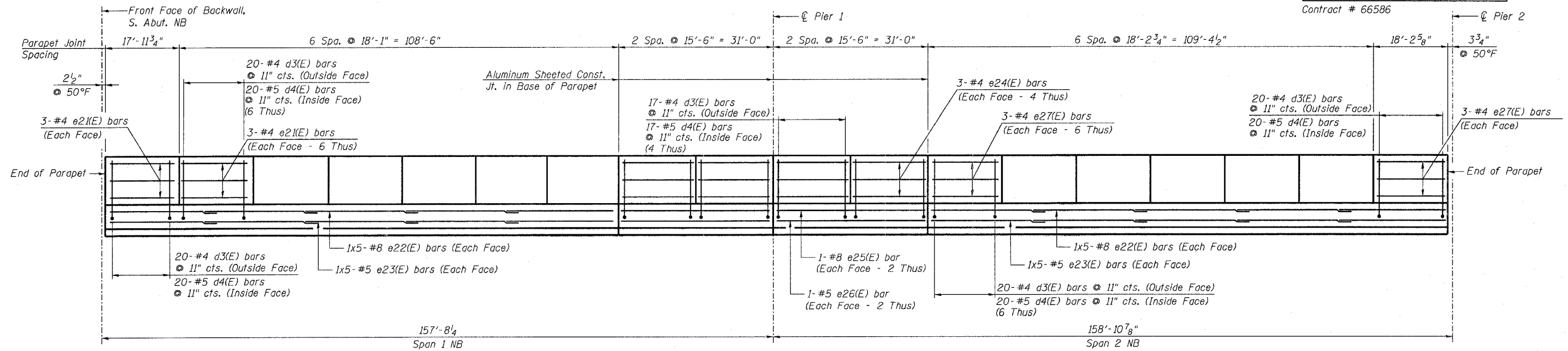
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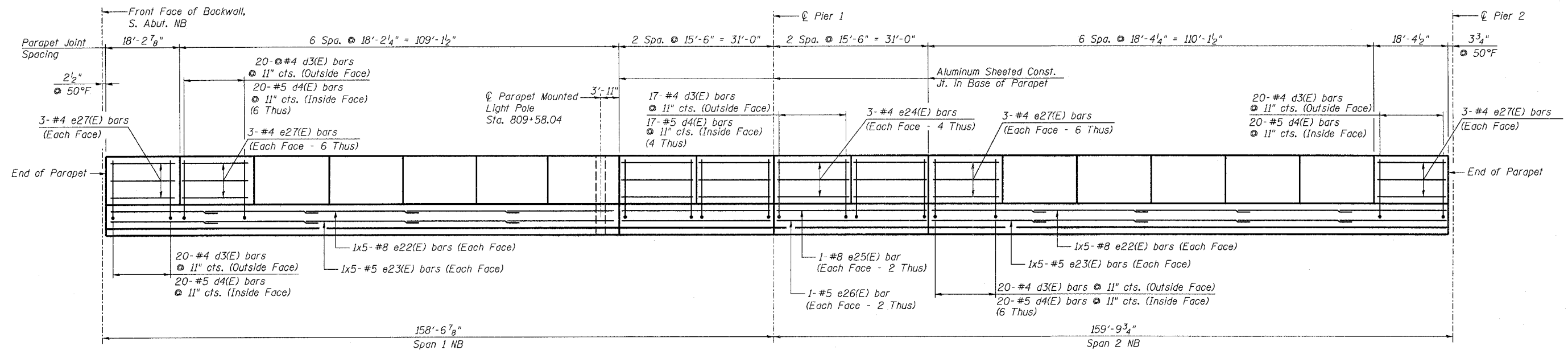
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	PAGE	SHEET NO. 101
F.A.I. 39	50-4B	LASALLE	123		313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-	Contract # 66586		



REFLECTED INSIDE ELEVATION OF OUTSIDE PARAPET - NB



INSIDE ELEVATION OF MEDIAN PARAPET - NB

NOTES:
1. For Notes see sheet 100.

PARAPET ELEVATION - SPANS 1 AND 2 NB
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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Job # 3856

DESIGNED -	AJK
CHECKED -	KWS
DRAWN -	AR
CHECKED -	MRB

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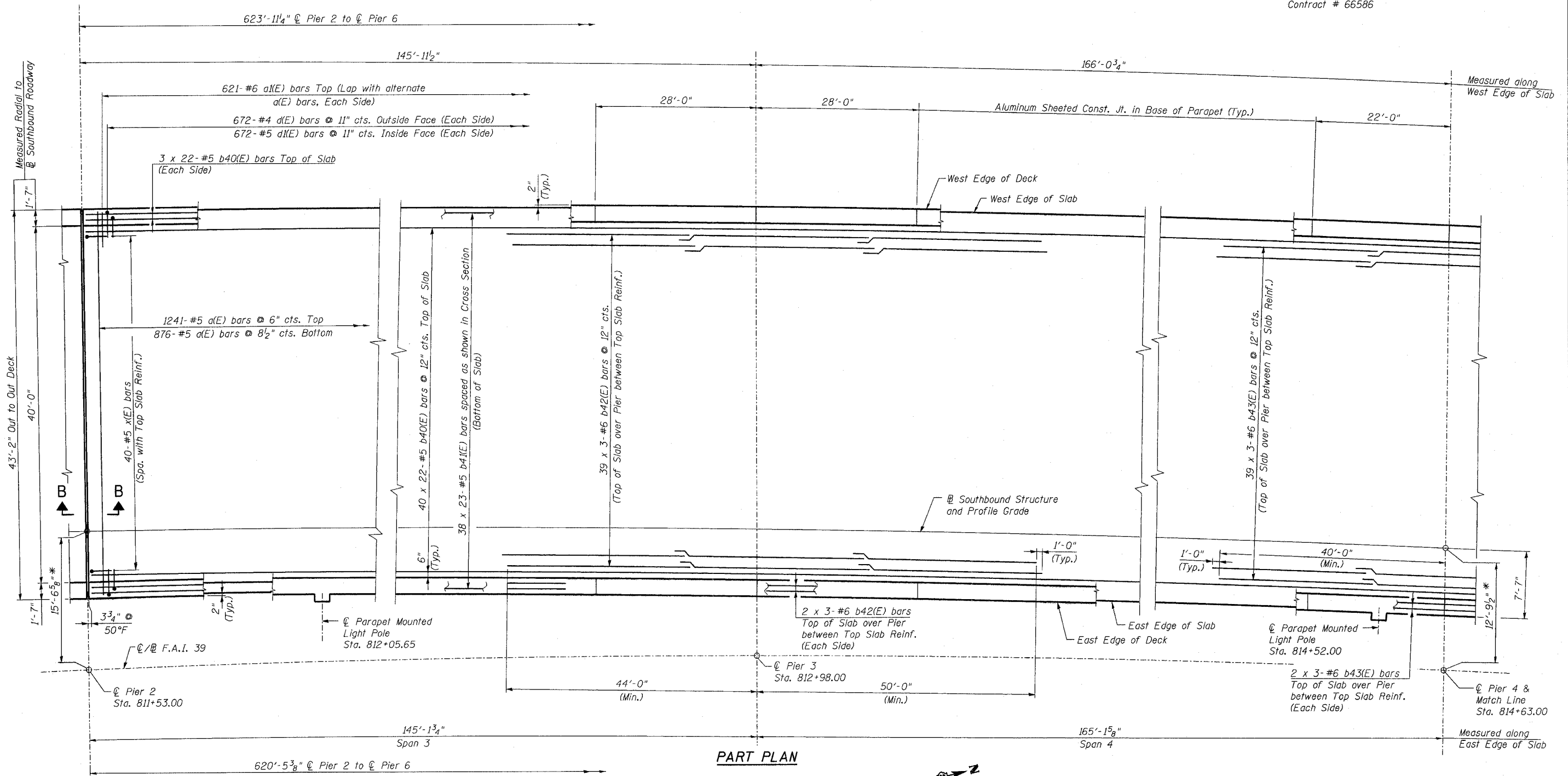
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8/30/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	DATE	SHEET	SHEET NO. 103 313 SHEETS
F.A.I. 39	50-4B	LASALLE		125	
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT	

Contract # 66586



PART PLAN

* Measured Radial to
F.A.I. 39

NOTES:

1. For Deck Cross Section see sheet 162.
2. For Bill of Material and Reinforcement Schedule see sheet 109.
3. For Deck Details and Section B-B see sheets 166 thru 169.
4. Reinforcement bars designated (E) shall be epoxy coated.
5. Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
6. Floor Drains and Scuppers not shown. For locations, see sheets 175 and 176.
7. For Scupper Details see sheets 177 and 178.
8. For additional deck reinforcement at Scupper locations see sheet 166.
9. For additional deck reinforcement at Parapet Mounted Light Pole locations see sheet 169.
10. Work this sheet with sheet 104.

MINIMUM BAR LAP
(Slab)

- #5 bar = 2'-2"
- #6 bar = 2'-7"

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

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Job # 3856

DECK PLAN - SPANS 3 THRU 6 SB
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

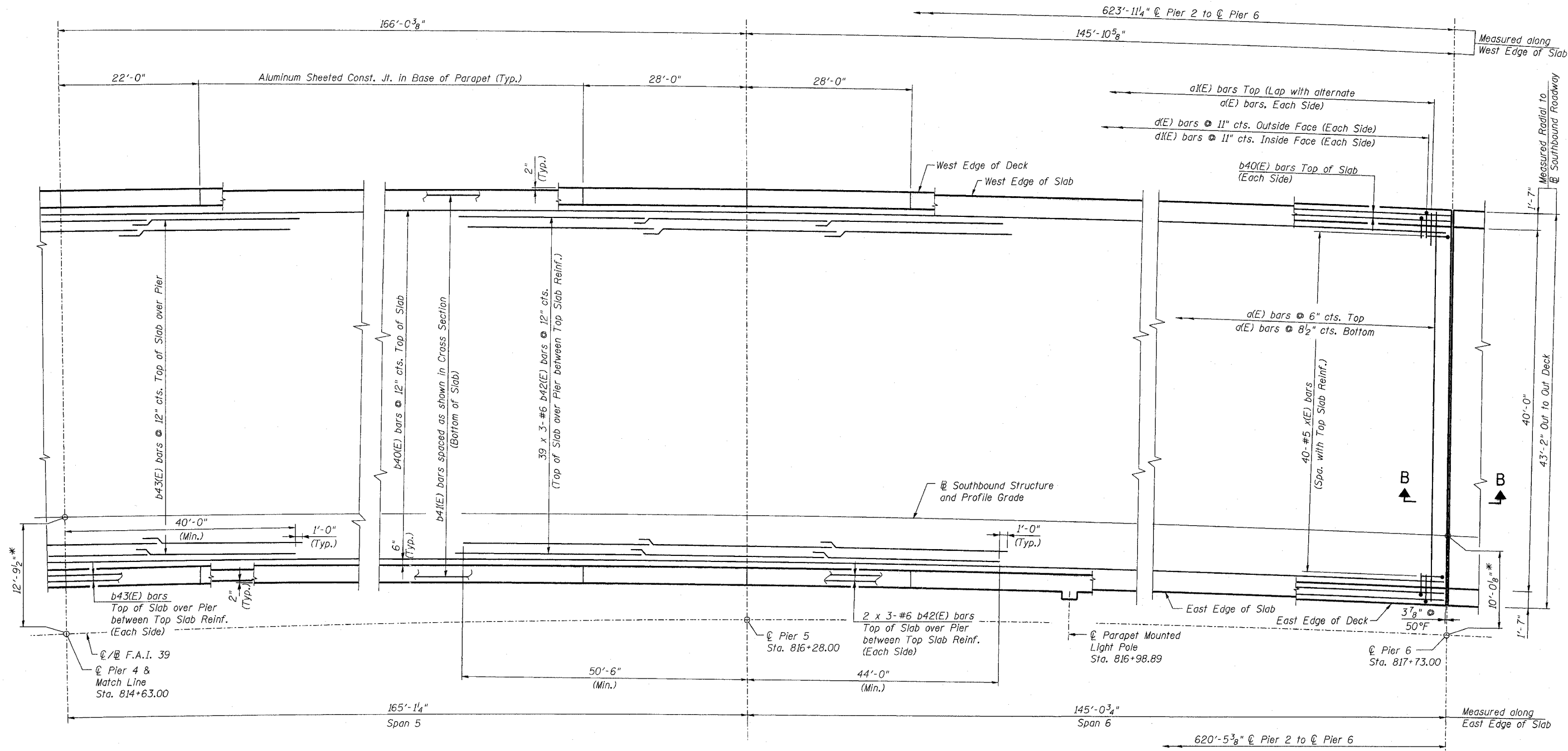
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	SHEET 126	SHEET NO. 104 313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

Contract # 66586



PART PLAN



DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

MINIMUM BAR LAP
(Slab)
#5 bar = 2'-2"
#6 bar = 2'-7"

- NOTES:**
1. Work this sheet with sheet 103.
2. For additional Notes see sheet 103.

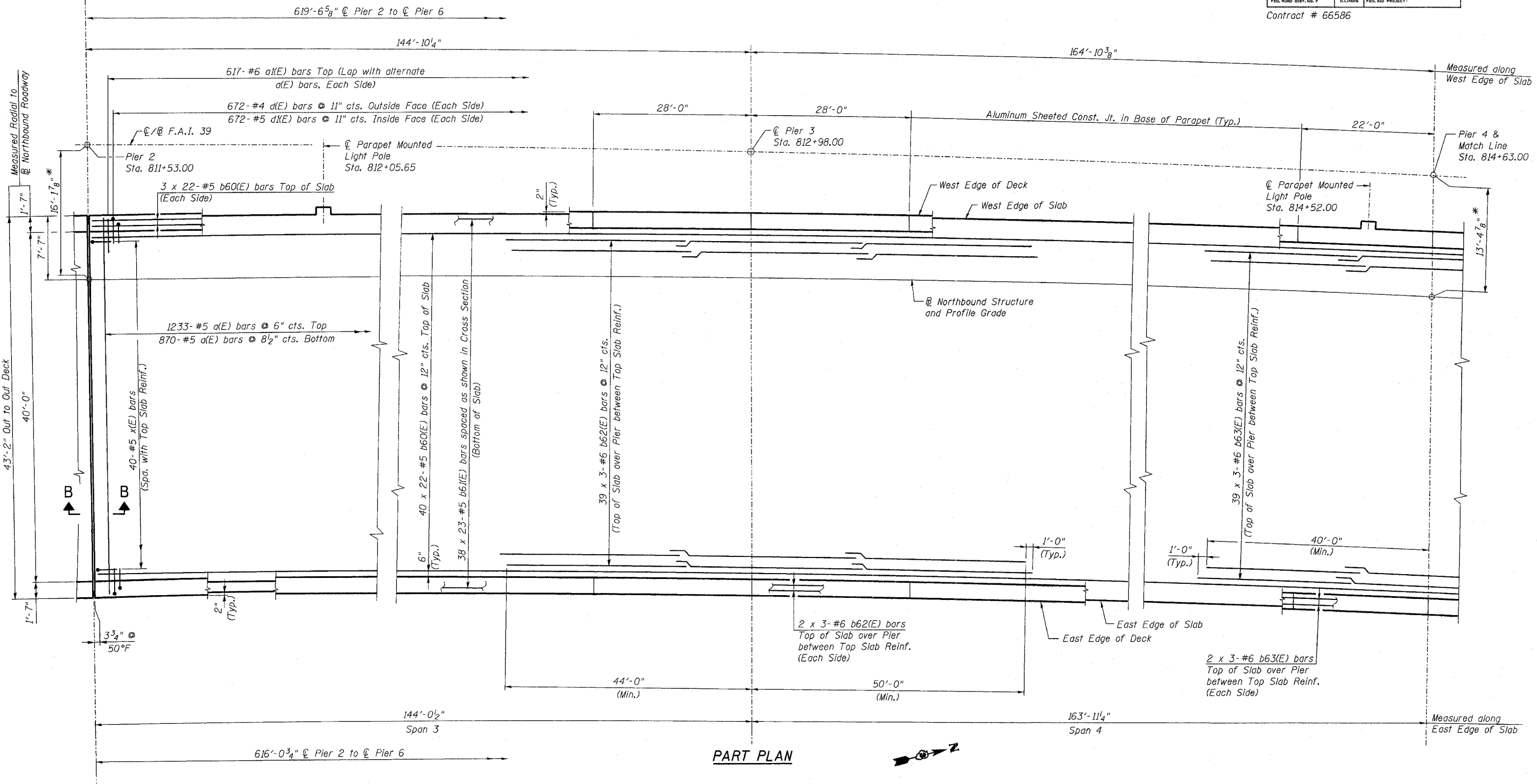
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Chicago, Illinois 60601
312-665-0460
Job # 3856

**DECK PLAN - SPANS 3 THRU 6 SB
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)**

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. 105
F.A.I. 39	50-4B	LASALLE		127	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	Contract # 66586		



PART PLAN

* Measured Radial to
F.A.I. 39

- NOTES:
1. Work this sheet with sheet 106.
2. For additional Notes see sheet 103.

MINIMUM BAR LAP
(Slab)
#5 bar = 2'-2"
#6 bar = 2'-7"

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

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Job # 3856

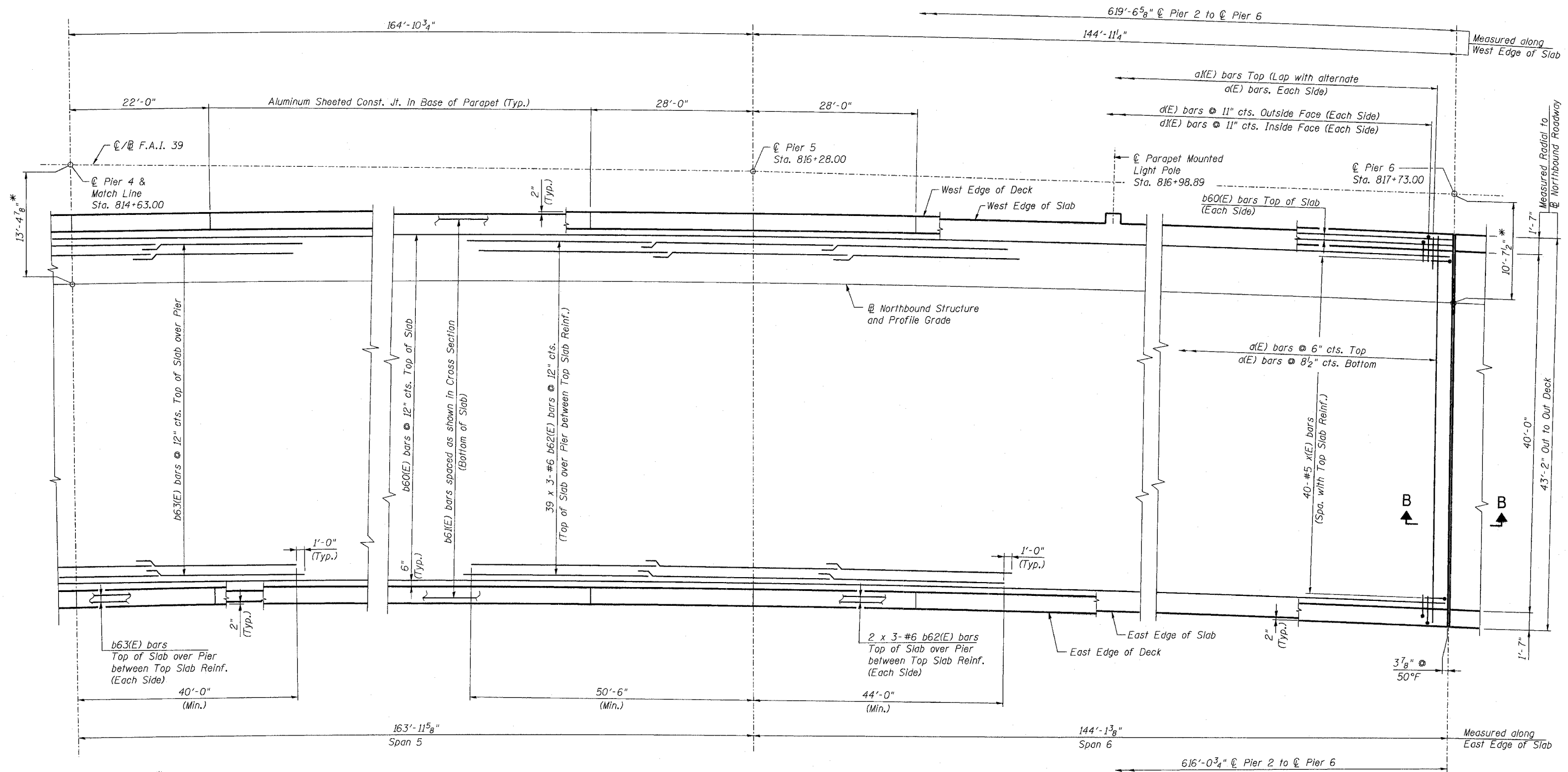
DECK PLAN - SPANS 3 THRU 6 NB
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. 106 313 SHEETS
F.A.I. 39	50-4B	LASALLE		128	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract # 66586



PART PLAN



DECK PLAN - SPANS 3 THRU 6 NB
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

MINIMUM BAR LAP
(Slab)
#5 bar = 2'-2"
#6 bar = 2'-7"

NOTES:
1. Work this sheet with sheet 105.
2. For additional Notes see sheet 103.

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Job # 3856

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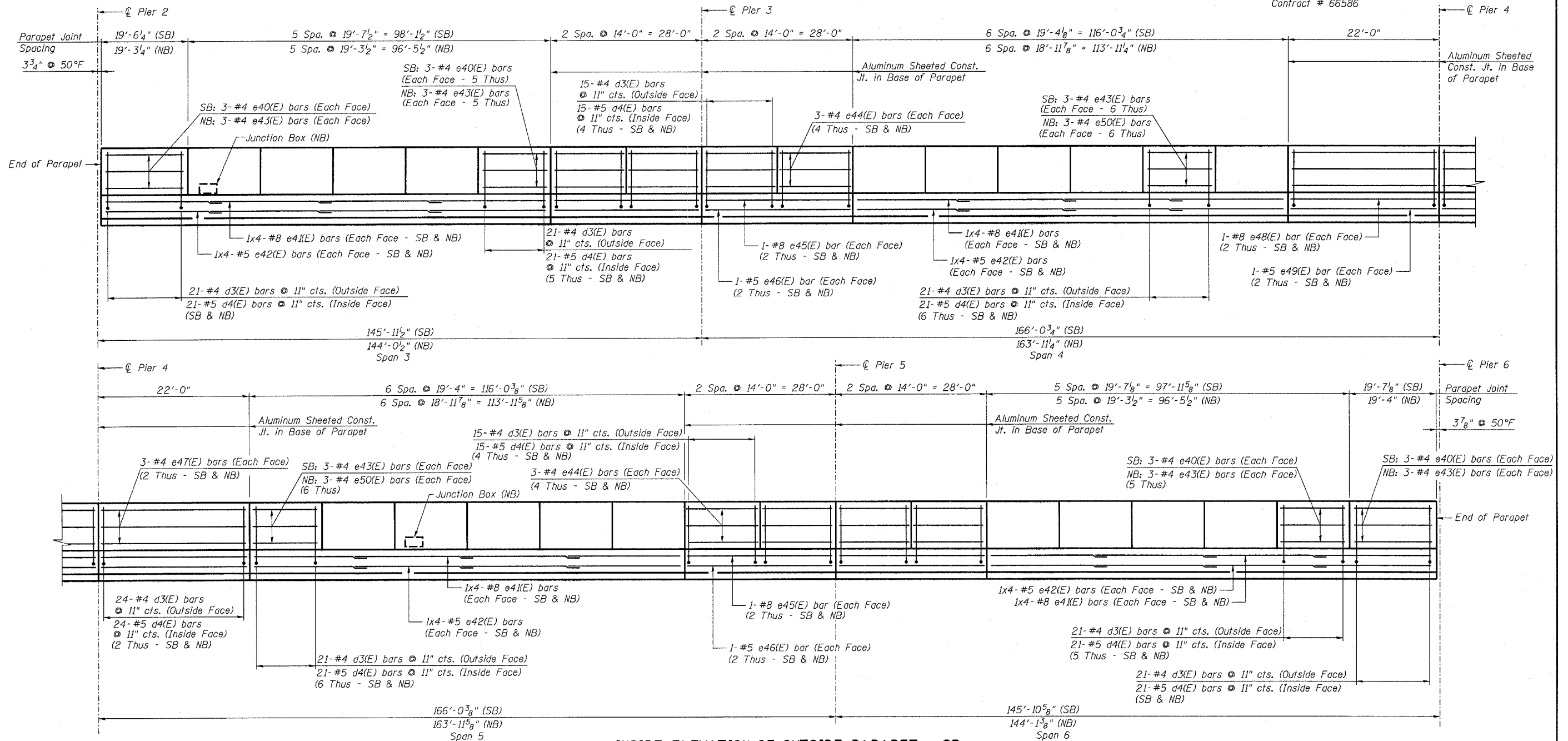
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. 107
F.A.I. 39	50-4B	LASALLE		129	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract # 66586



INSIDE ELEVATION OF OUTSIDE PARAPET - SB
REFLECTED INSIDE ELEVATION OF OUTSIDE PARAPET - NB

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Bars indicated thus 3x4 - #4 etc. indicates 3 lines of bars with 4 lengths per line.
3. Use the following minimum lap lengths unless otherwise noted:
 - #4 - 1'-8"
 - #5 - 2'-2"
 - #8 - 4'-6"
4. For Bill of Material and Reinforcement schedule see sheet 109.
5. All edges have 3/4" chamfer.
6. For section through parapet see sheets 166 and 168.
7. Longitudinal dimensions and joint spacing are measured along the edge of slab.
8. For Junction Box locations, see Electrical Plans.
9. For additional rebar at Junction Box, see sheet 169.

DESIGNED -	AJK
CHECKED -	KWS
DRAWN -	AR
CHECKED -	MRB

PARAPET ELEVATION - SPANS 3 THRU 6
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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Job # 3856

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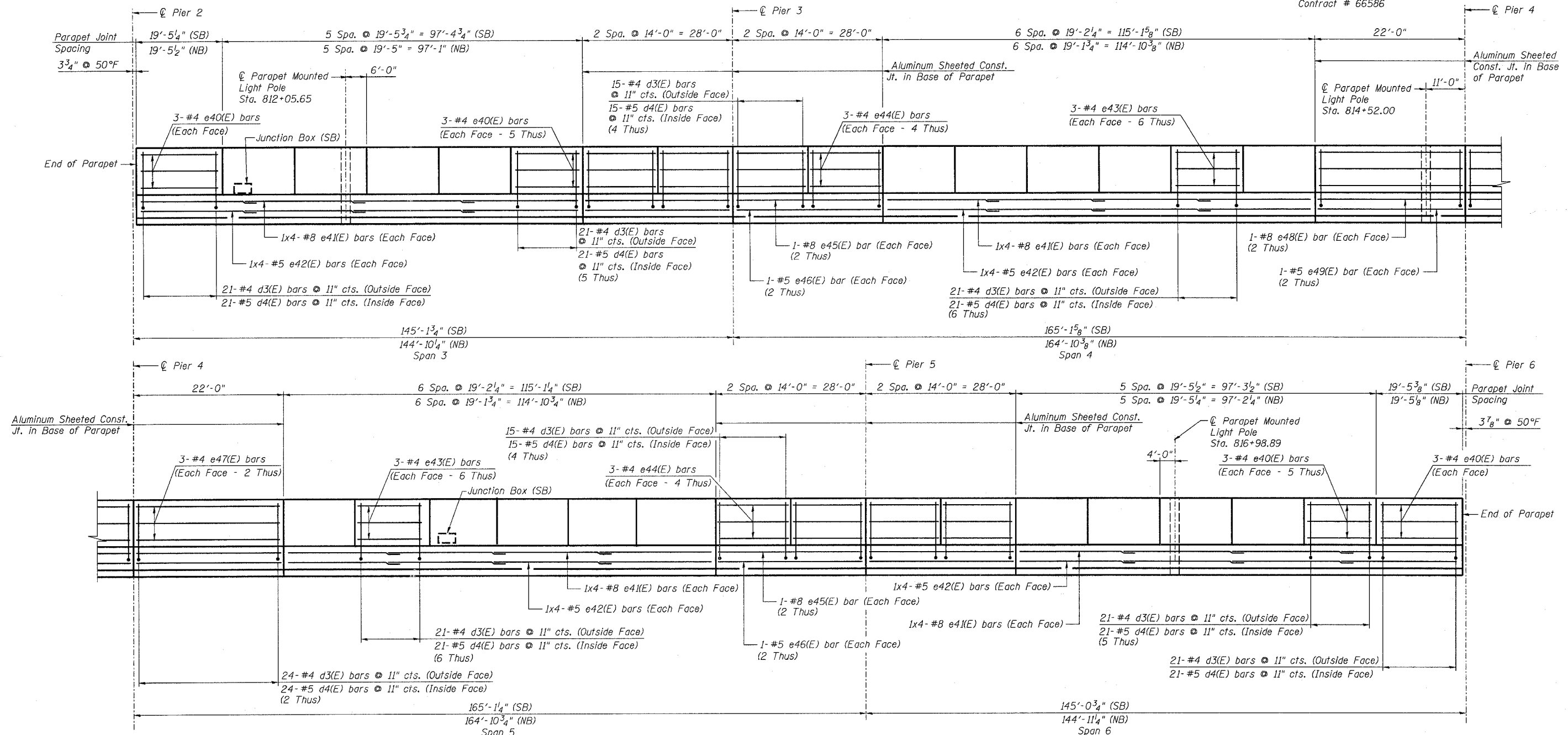
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET	SHEET NO. 108
F.A.I. 39	50-4B	LASALLE	130		313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract # 66586



INSIDE ELEVATION OF MEDIAN PARAPET - NB
REFLECTED INSIDE ELEVATION OF MEDIAN PARAPET - SB

- NOTES:**
- For Parapet Mounted Light Pole details and additional reinforcement see sheet 169.
 - For additional Notes see sheet 107.

PARAPET ELEVATION - SPANS 3 THRU 6
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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312-565-0450
Job # 3856

DESIGNED -	AJK
CHECKED -	KWS
DRAWN -	AR
CHECKED -	MRB

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8/30/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET	SHEET NO. 109 313 SHEETS
F.A.I. 39	50-4B	LASALLE	131		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		Contract # 66586

BILL OF MATERIAL
(Southbound Deck)

Bar	No.	Size	Length	Shape
a(E)	2117	#5	42'-6"	—
a1(E)	1242	#6	4'-6"	—
a2(E)	24	#5	2'-0"	—
a3(E)	6	#6	5'-0"	—
a4(E)	8	#6	2'-6"	—
b40(E)	1012	#5	30'-6"	—
b41(E)	874	#5	29'-3"	—
b42(E)	258	#6	33'-9"	—
b43(E)	129	#6	28'-9"	—
d(E)	1344	#4	3'-4"	┌
d1(E)	1344	#5	2'-5"	└
x(E)	80	#5	4'-1"	┐
Summary				
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	186,590		
Concrete Superstructure	Cu. Yd.	740.5		
Bridge Deck Grooving	Sq. Yd.	2,615		
Protective Coat	Sq. Yd.	2,753		

BILL OF MATERIAL
(Southbound Parapets)

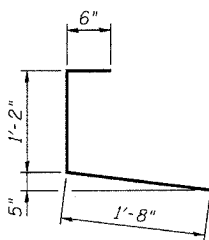
Bar	No.	Size	Length	Shape
d3(E)	1344	#4	3'-0"	┌
d4(E)	1344	#5	3'-0"	┌
d5(E)	9	#6	4'-5"	└
d6(E)	15	#6	8'-11"	└
e14(E)	8	#5	6'-0"	—
e40(E)	144	#4	19'-3"	—
e41(E)	64	#8	33'-0"	—
e42(E)	64	#5	31'-0"	—
e43(E)	144	#4	19'-0"	—
e44(E)	96	#4	13'-9"	—
e45(E)	16	#8	27'-9"	—
e46(E)	16	#5	27'-9"	—
e47(E)	24	#4	21'-9"	—
e48(E)	8	#8	21'-9"	—
e49(E)	8	#5	21'-9"	—
Summary				
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	22,130		
Concrete Superstructure	Cu. Yd.	138.1		
Protective Coat	Sq. Yd.	521		

BILL OF MATERIAL
(Northbound Deck)

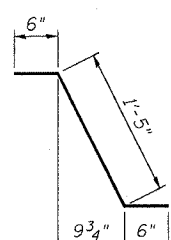
Bar	No.	Size	Length	Shape
a(E)	2103	#5	42'-6"	—
a1(E)	1234	#6	4'-6"	—
a2(E)	24	#5	2'-0"	—
a3(E)	6	#6	5'-0"	—
a4(E)	8	#6	2'-6"	—
b60(E)	1012	#5	30'-3"	—
b61(E)	874	#5	29'-0"	—
b62(E)	258	#6	33'-9"	—
b63(E)	129	#6	28'-9"	—
d(E)	1344	#4	3'-4"	┌
d1(E)	1344	#5	2'-5"	└
x(E)	80	#5	4'-1"	┐
Summary				
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	185,430		
Concrete Superstructure	Cu. Yd.	735.3		
Bridge Deck Grooving	Sq. Yd.	2,597		
Protective Coat	Sq. Yd.	2,733		

BILL OF MATERIAL
(Northbound Parapets)

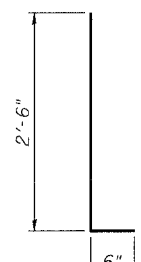
Bar	No.	Size	Length	Shape
d3(E)	1344	#4	3'-0"	┌
d4(E)	1344	#5	3'-0"	┌
d5(E)	9	#6	4'-5"	└
d6(E)	15	#6	8'-11"	└
e14(E)	8	#5	6'-0"	—
e40(E)	72	#4	19'-3"	—
e41(E)	64	#8	33'-0"	—
e42(E)	64	#5	31'-0"	—
e43(E)	144	#4	19'-0"	—
e44(E)	96	#4	13'-9"	—
e45(E)	16	#8	27'-9"	—
e46(E)	16	#5	27'-9"	—
e47(E)	24	#4	21'-9"	—
e48(E)	8	#8	21'-9"	—
e49(E)	8	#5	21'-9"	—
e50(E)	72	#4	18'-9"	—
Summary				
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	22,100		
Concrete Superstructure	Cu. Yd.	137.1		
Protective Coat	Sq. Yd.	517		



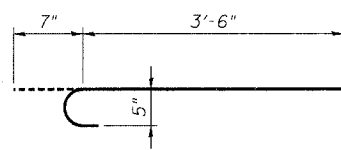
BAR d(E)



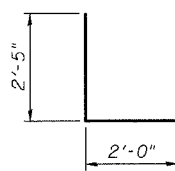
BAR d1(E)



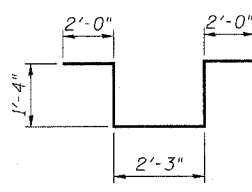
BARS d3(E) & d4(E)



BAR x(E)



BAR d5(E)



BAR d6(E)

DESIGNED -	AJK
CHECKED -	MRB
DRAWN -	VH
CHECKED -	MRB

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. All bar dimensions are out to out.

BILL OF MATERIAL - SPANS 3 THRU 6
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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Job # 3856

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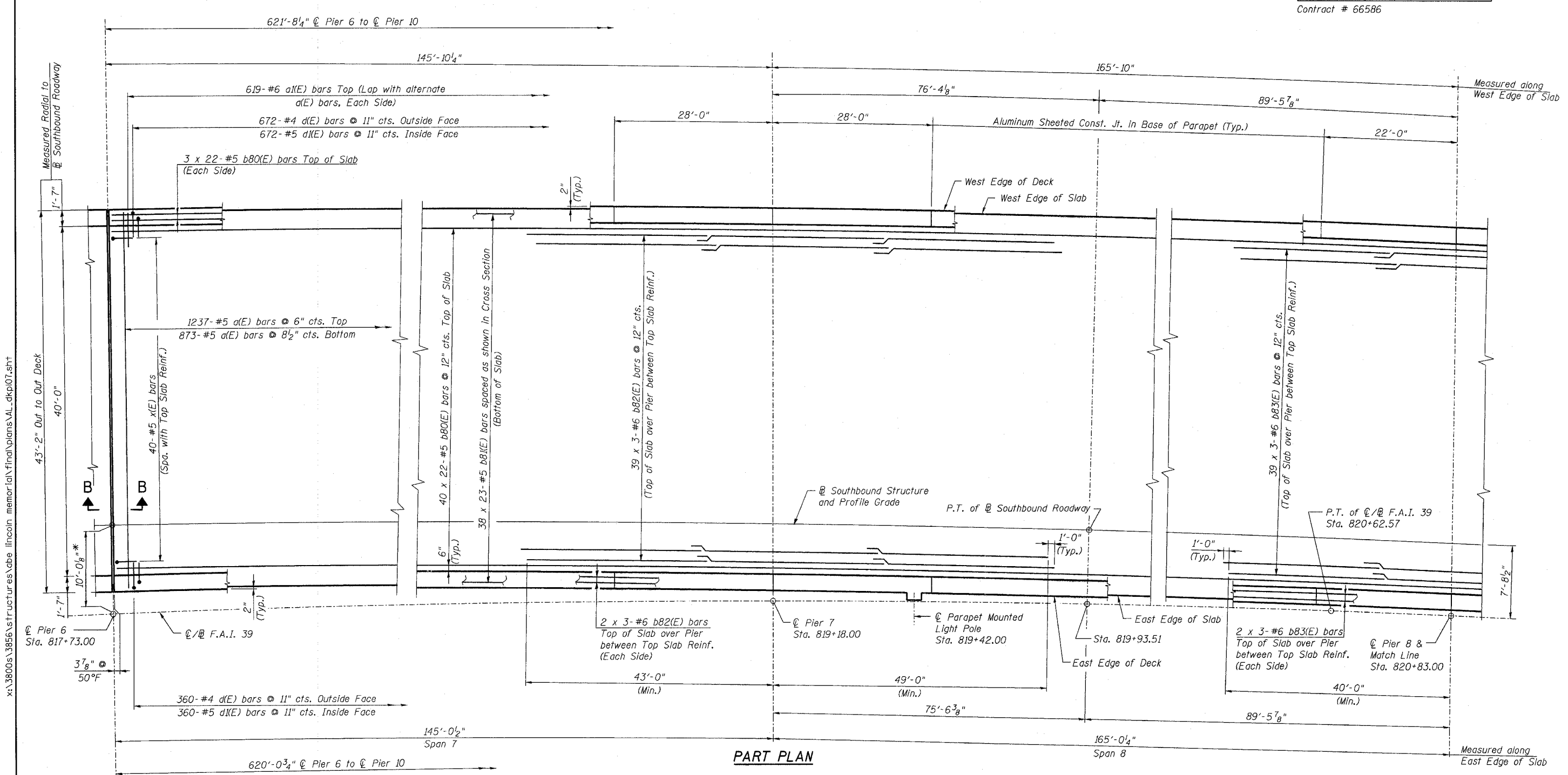
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TEAM SHEETS	SHEET	SHEET NO. 110
F.A.I. 39	50-4B	LASALLE		138	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract # 66586



PART PLAN

* Measured Radial to
C/F.A.I. 39

DESIGNED	HAA
CHECKED	MRB
DRAWN	VH
CHECKED	KWS

MINIMUM BAR LAP
(Slab)
#5 bar = 2'-2"
#6 bar = 2'-7"

- NOTES:**
1. For Deck Cross Section see sheets 162 and 163.
 2. For Bill of Material and Reinforcement Schedule see sheet 116.
 3. For Deck Details and Section B-B see sheets 166 thru 169.
 4. Reinforcement bars designated (E) shall be epoxy coated.
 5. Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
 6. Floor Drains and Scuppers not shown. For locations, see sheets 175 and 176.
 7. For Scupper Details see sheets 177 and 178.
 8. For additional deck reinforcement at Scupper locations see sheet 166.
 9. For additional deck reinforcement at Parapet Mounted Light Pole locations see sheet 169.
 10. Work this sheet with sheet 111.



DECK PLAN - SPANS 7 THRU 10 SB
ABRAHAM LINCOLN BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

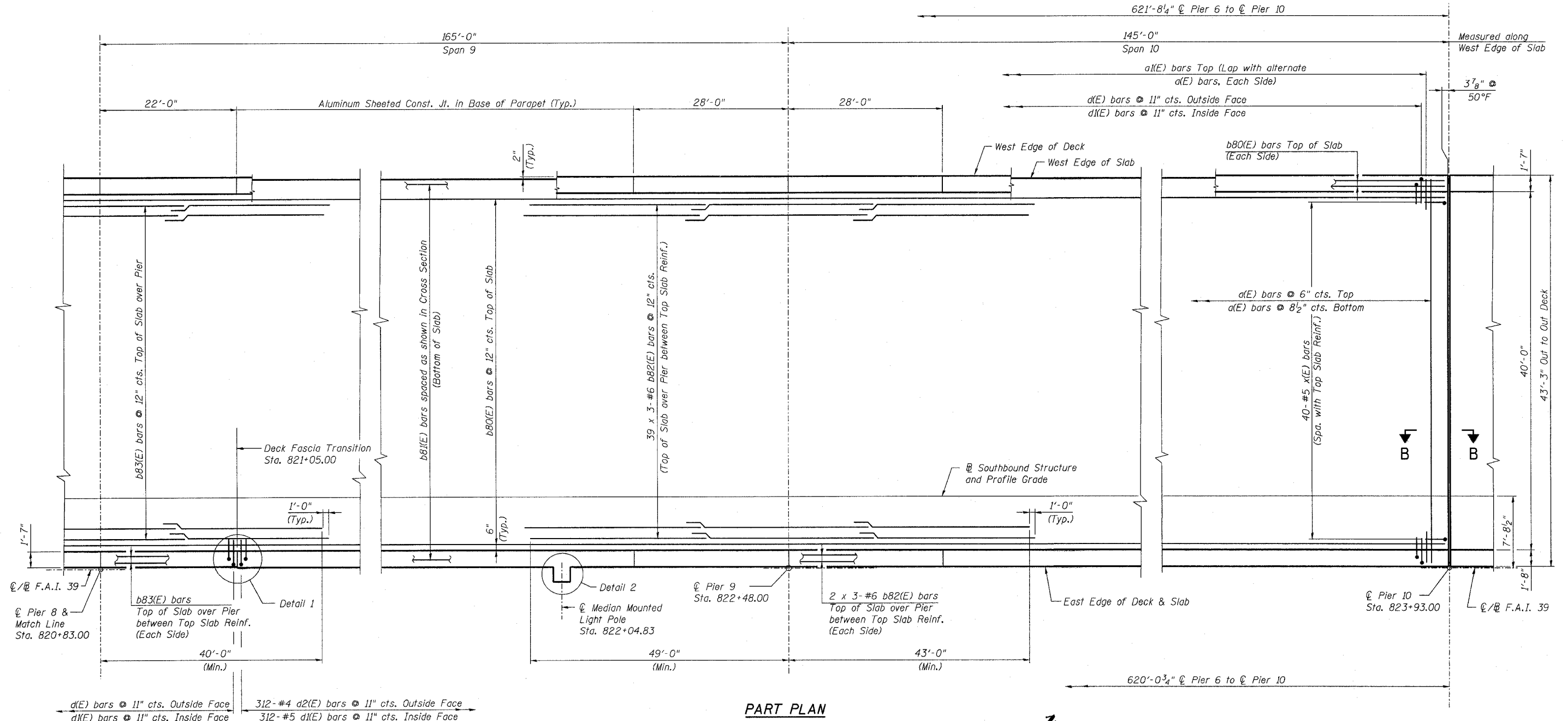
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312-965-0460
Job # 3856

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 111
F.A.I. 39	50-4B	LASALLE	133		313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT	

Contract # 66586



PART PLAN

- NOTES:**
1. For Detail 1 and additional deck reinforcement at Detail 2 see sheet 168.
 2. Work this sheet with sheet 110.
 3. For additional Notes see sheet 110.

MINIMUM BAR LAP
(Slab)
 #5 bar = 2'-2"
 #6 bar = 2'-7"

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

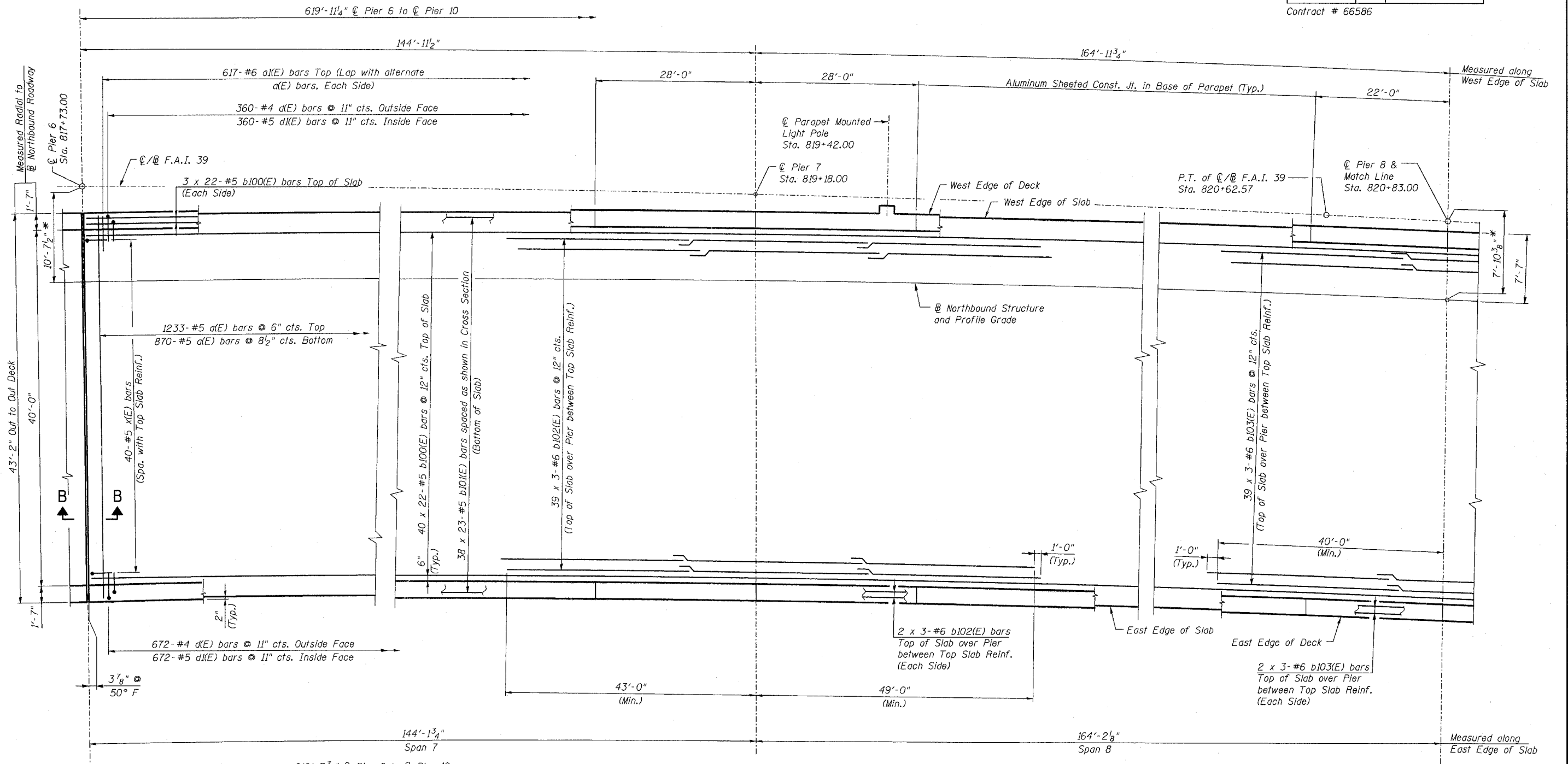
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 Chicago, Illinois 60601
 312-585-0450
 Job # 3856

DECK PLAN - SPANS 7 THRU 10 SB
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET	SHEET NO. 112
F.A.I. 39	50-4B	LASALLE		134	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	Contract # 66586		



PART PLAN

* Measured Radial to
F.A.I. 39

- NOTES:**
1. Work this sheet with sheet 113.
2. For additional Notes see sheet 110.

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

MINIMUM BAR LAP
(Slab)
#5 bar = 2'-2"
#6 bar = 2'-7"



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Job # 3856

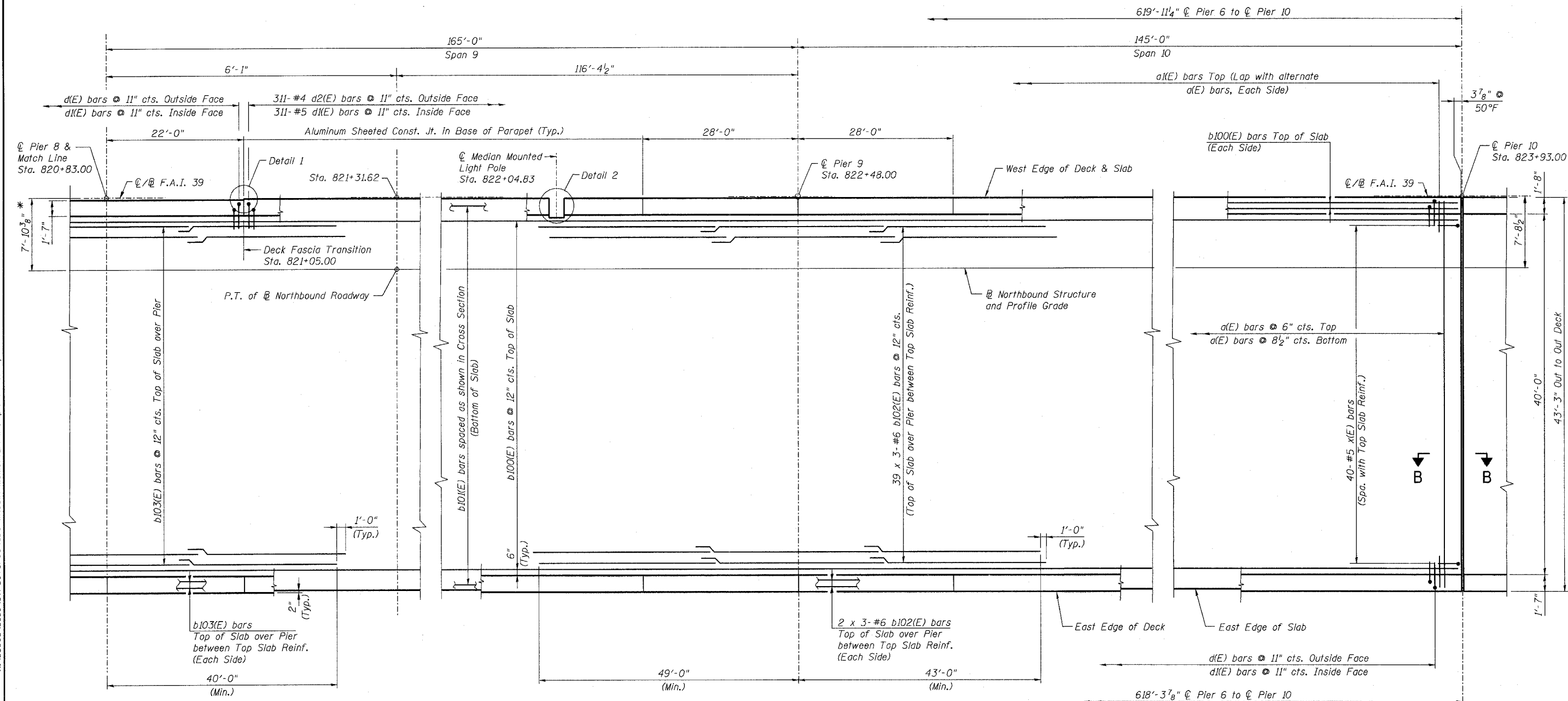
DECK PLAN - SPANS 7 THRU 10 NB
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
F.A.I. 39	50-4B	LASALLE	139	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Contract # 66586



PART PLAN

* Measured Radial to
C/L F.A.I. 39

NOTES:

1. For Detail 1 and additional deck reinforcement at Detail 2 see sheet 168.
2. Work this sheet with sheet 112.
3. For additional Notes see sheet 110.

MINIMUM BAR LAP
(Slab)

#5 bar = 2'-2"
#6 bar = 2'-7"

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

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Job # 3856

DECK PLAN - SPANS 7 THRU 10 NB
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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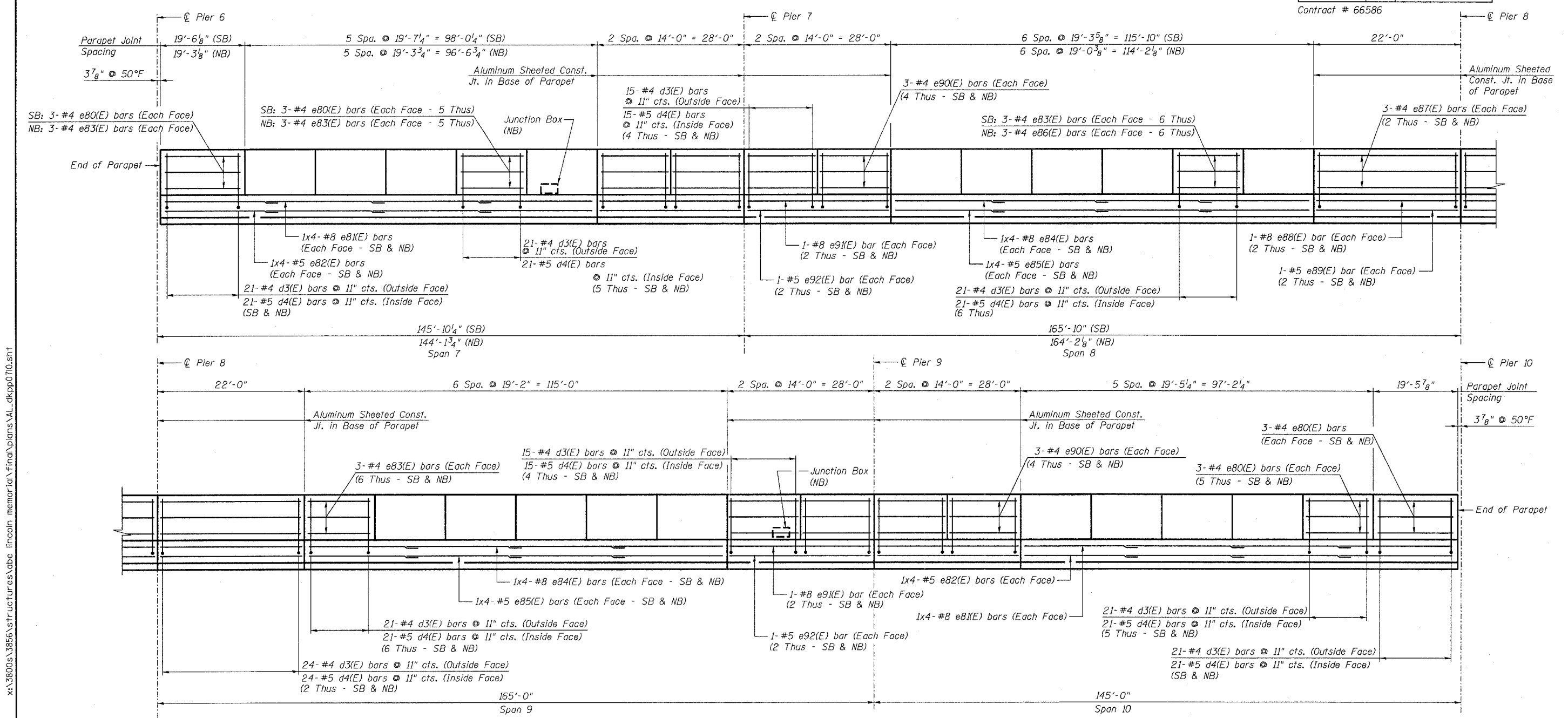
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	SHEET 136	SHEET NO. 114 313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

Contract # 66586



INSIDE ELEVATION OF OUTSIDE PARAPET - SB
REFLECTED INSIDE ELEVATION OF OUTSIDE PARAPET - NB

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Bars indicated thus 3x4 - #4 etc. indicates 3 lines of bars with 4 lengths per line.
3. Use the following minimum lap lengths unless otherwise noted:
#4 - 1'-8"
#5 - 2'-2"
#8 - 4'-6"
4. For Bill of Material and Reinforcement schedule see sheet 116.
5. All edges have 3/4" chamfer.
6. For section through parapet see sheets 166 and 168.
7. Longitudinal dimensions and joint spacing are measured along the edge of slab.
8. For Junction Box locations, see Electrical Plans.
9. For additional rebar at Junction Box, see sheet 169.

DESIGNED -	AJK
CHECKED -	KWS
DRAWN -	AR
CHECKED -	MRB

PARAPET ELEVATION - SPANS 7 THRU 10
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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Job # 3856

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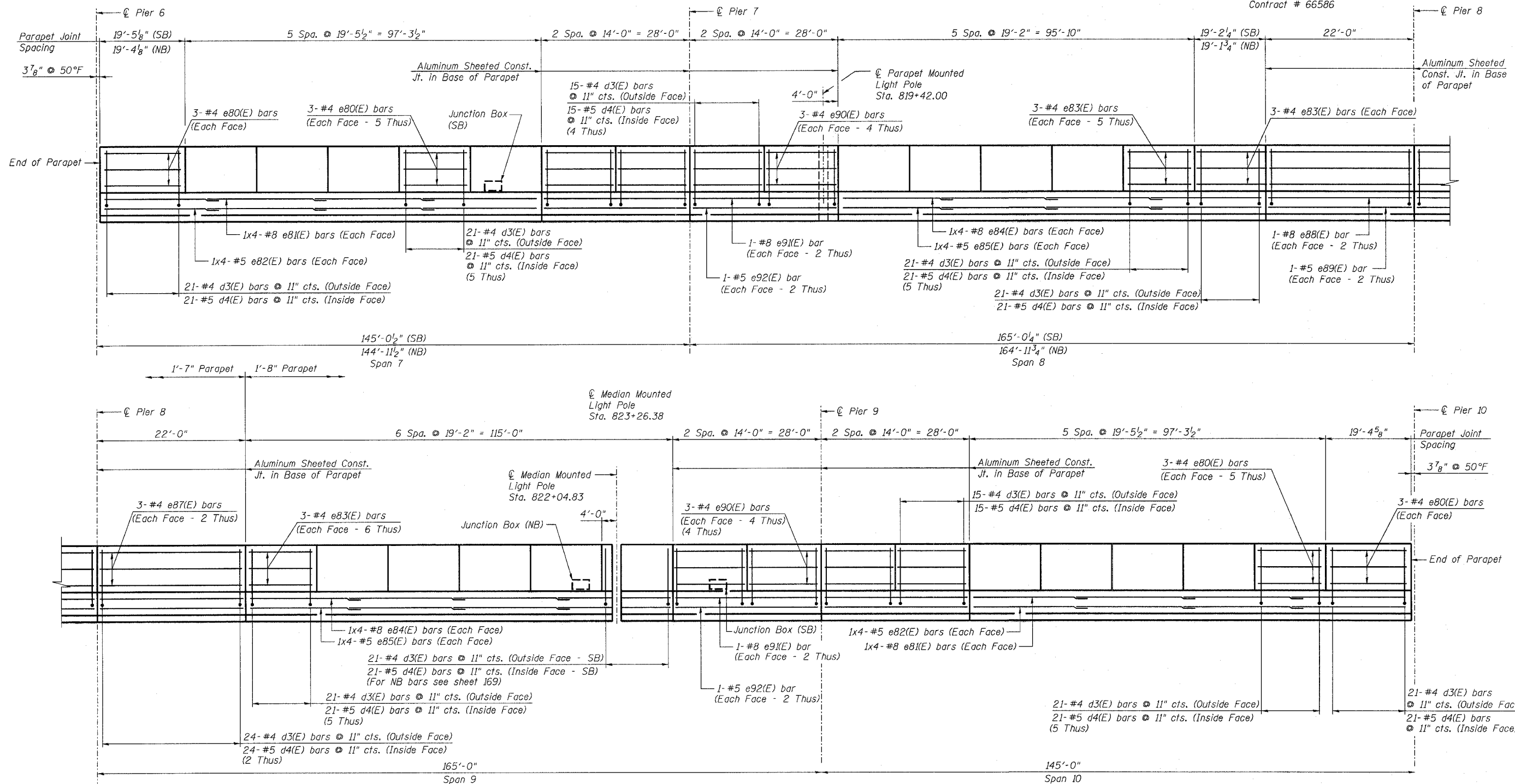
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8/30/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO.
F.A.I. 39	50-4B	LASALLE	137	115
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		313 SHEETS

Contract # 66586



INSIDE ELEVATION OF MEDIAN PARAPET - NB
REFLECTED INSIDE ELEVATION OF MEDIAN PARAPET - SB

PARAPET ELEVATION - SPANS 7 THRU 10
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

NOTES:

1. For Parapet & Median Mounted Light Pole details and additional reinforcement see sheet 169.
2. For additional Notes see sheet 114.

DESIGNED -	AJK
CHECKED -	KWS
DRAWN -	AR
CHECKED -	MRB

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alfred benesch & company
Engineers - Surveyors - Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450
Job # 3856

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. 116 313 SHEETS
F.A.I. 39	50-4B	LASALLE		138	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract # 66586

BILL OF MATERIAL
(Southbound Deck)

Bar	No.	Size	Length	Shape
a(E)	2110	#5	42'-6"	—
a1(E)	1238	#6	4'-6"	—
a2(E)	48	#5	2'-0"	—
a3(E)	42	#6	5'-0"	—
a4(E)	56	#6	2'-6"	—
a5(E)	5	#6	8'-0"	—
b3(E)	4	#5	2'-3"	—
b80(E)	1012	#5	30'-6"	—
b81(E)	874	#5	29'-3"	—
b82(E)	258	#6	32'-9"	—
b83(E)	129	#6	28'-9"	—
d(E)	1032	#4	3'-4"	┌
d1(E)	1344	#5	2'-5"	┌
d2(E)	312	#4	3'-5"	┌
d8(E)	5	#5	5'-5"	┌
x(E)	80	#5	4'-1"	┌
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	186,480		
Concrete Superstructure	Cu. Yd.	739.4		
Bridge Deck Grooving	Sq. Yd.	2,609		
Protective Coat	Sq. Yd.	2,747		

BILL OF MATERIAL
(Southbound Parapets)

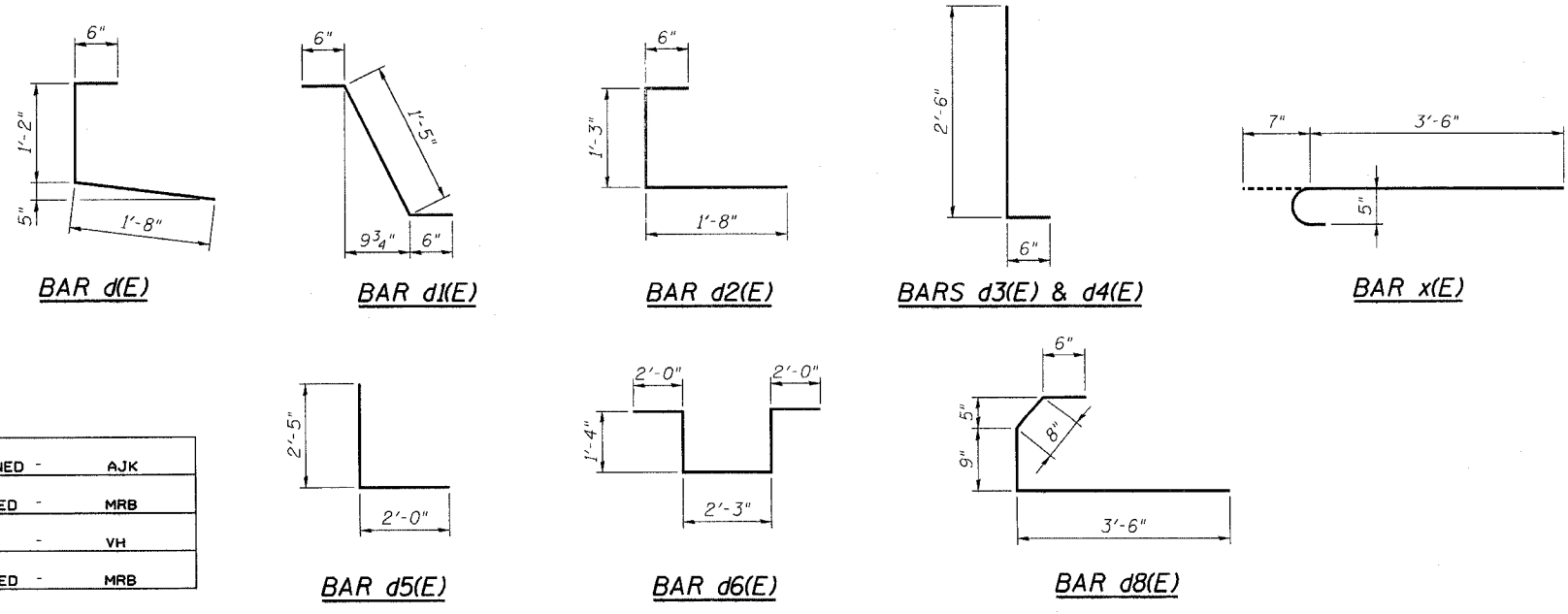
Bar	No.	Size	Length	Shape
d3(E)	1344	#4	3'-0"	┌
d4(E)	1347	#5	3'-0"	┌
d5(E)	3	#6	4'-5"	┌
d6(E)	10	#6	8'-11"	┌
e10(E)	3	#4	2'-3"	—
e11(E)	1	#8	2'-3"	—
e12(E)	1	#5	2'-3"	—
e14(E)	8	#5	6'-0"	—
e80(E)	144	#4	19'-3"	—
e81(E)	32	#8	33'-0"	—
e82(E)	32	#5	31'-0"	—
e83(E)	144	#4	19'-0"	—
e84(E)	32	#8	32'-3"	—
e85(E)	32	#5	30'-6"	—
e87(E)	24	#4	21'-9"	—
e88(E)	8	#8	21'-9"	—
e89(E)	8	#5	21'-9"	—
e90(E)	96	#4	13'-9"	—
e91(E)	16	#8	27'-9"	—
e92(E)	16	#5	27'-9"	—
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	21,960		
Concrete Superstructure	Cu. Yd.	142.5		
Protective Coat	Sq. Yd.	528		

BILL OF MATERIAL
(Northbound Deck)

Bar	No.	Size	Length	Shape
a(E)	2103	#5	42'-6"	—
a1(E)	1234	#6	4'-6"	—
a2(E)	24	#5	2'-0"	—
a3(E)	6	#6	5'-0"	—
a4(E)	8	#6	2'-6"	—
b3(E)	4	#5	2'-3"	—
b100(E)	1012	#5	30'-3"	—
b101(E)	874	#5	29'-0"	—
b102(E)	258	#6	32'-9"	—
b103(E)	129	#6	28'-9"	—
d(E)	1032	#4	3'-4"	┌
d1(E)	1343	#5	2'-5"	┌
d2(E)	311	#4	3'-5"	┌
x(E)	80	#5	4'-1"	┌
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	185,060		
Concrete Superstructure	Cu. Yd.	737.1		
Bridge Deck Grooving	Sq. Yd.	2,602		
Protective Coat	Sq. Yd.	2,740		

BILL OF MATERIAL
(Northbound Parapets)

Bar	No.	Size	Length	Shape
d3(E)	1343	#4	3'-0"	┌
d4(E)	1343	#5	3'-0"	┌
d5(E)	3	#6	4'-5"	┌
d6(E)	5	#6	8'-11"	┌
e14(E)	12	#5	6'-0"	—
e80(E)	108	#4	19'-3"	—
e81(E)	32	#8	32'-9"	—
e82(E)	32	#5	31'-0"	—
e83(E)	144	#4	19'-0"	—
e84(E)	32	#8	32'-3"	—
e85(E)	32	#5	30'-6"	—
e86(E)	36	#4	18'-9"	—
e87(E)	24	#4	21'-9"	—
e88(E)	8	#8	21'-9"	—
e89(E)	8	#5	21'-9"	—
e90(E)	96	#4	13'-9"	—
e91(E)	16	#8	27'-9"	—
e92(E)	16	#5	27'-9"	—
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	21,860		
Concrete Superstructure	Cu. Yd.	141.4		
Protective Coat	Sq. Yd.	527		



NOTES:
1. Reinforcement bars designated (E) shall be epoxy coated.
2. All bar dimensions are out to out.

DESIGNED -	AJK
CHECKED -	MRB
DRAWN -	VH
CHECKED -	MRB

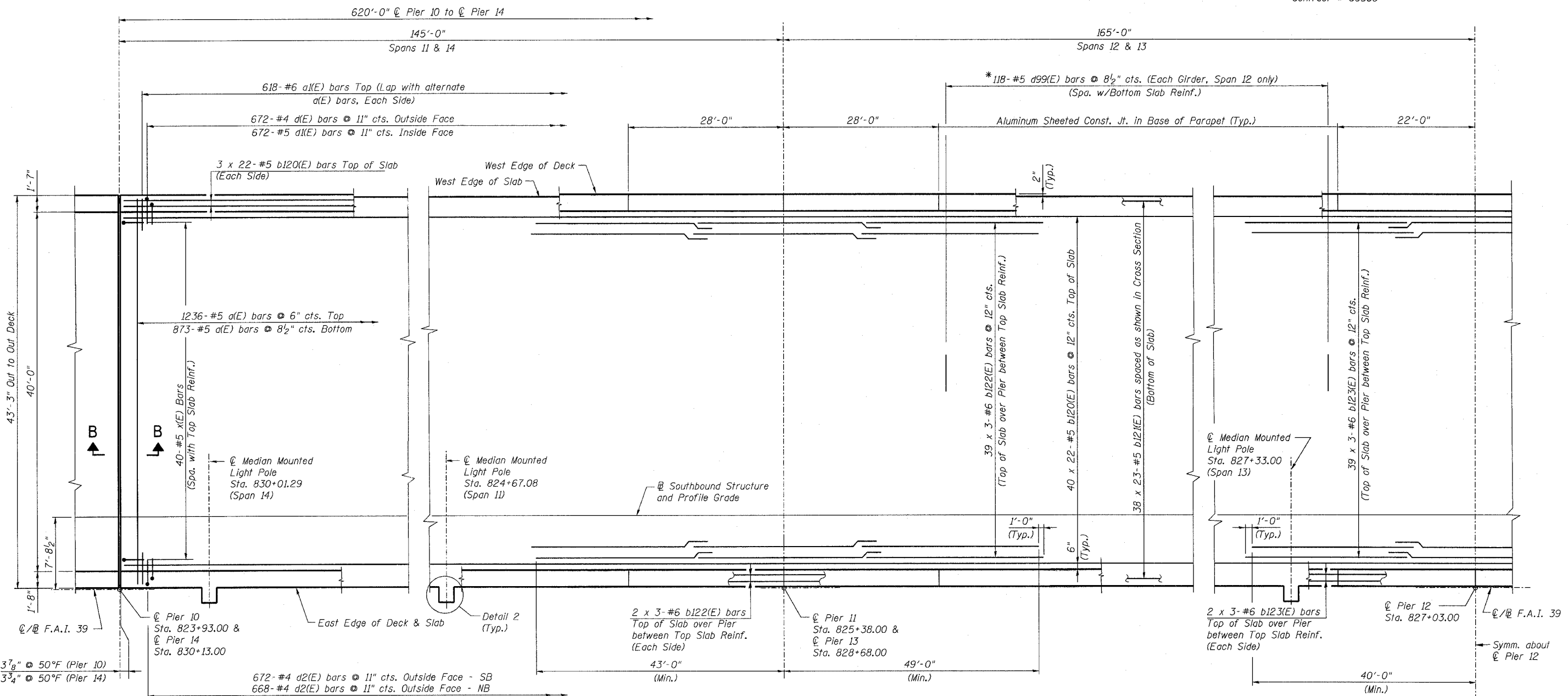
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alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450
Job # 3656

BILL OF MATERIAL - SPANS 7 THRU 10
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	FEED SHEETS	SHEET	SHEET NO. 117
F.A.I. 39	50-4B	LASALLE		39	313 SHEETS
FED. RDW. DIST. NO. 7	ILLINOIS	FED. AID PROJECT	Contract # 66586		



HALF PLAN

Southbound Roadway shown.
Northbound Roadway Symm. about C/L F.A.I. 39

NOTES:

1. For Deck Cross Section see sheet 163.
2. For Bill of Material and Reinforcement Schedule see sheet 120.
3. For Deck Details and Section B-B see sheets 166 thru 169.
4. Reinforcement bars designated (E) shall be epoxy coated.
5. Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
6. Floor Drains and Scuppers not shown. For locations, see sheets 175 and 176.
7. For Scupper Details see sheets 177 and 178.
8. For additional deck reinforcement at Scupper locations see sheet 166.
9. For additional deck reinforcement at Detail 2 see sheet 168.

* Estimated no. of bars anticipated due to existing studs not meeting the minimum projection into proposed deck. Actual no. of bars shall be determined in the field. Cost of additional rebar required shall be paid for at the unit cost of "Reinforcement Bars, Epoxy Coated".

MINIMUM BAR LAP

(Slab)
#5 bar = 2'-2"
#6 bar = 2'-7"

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

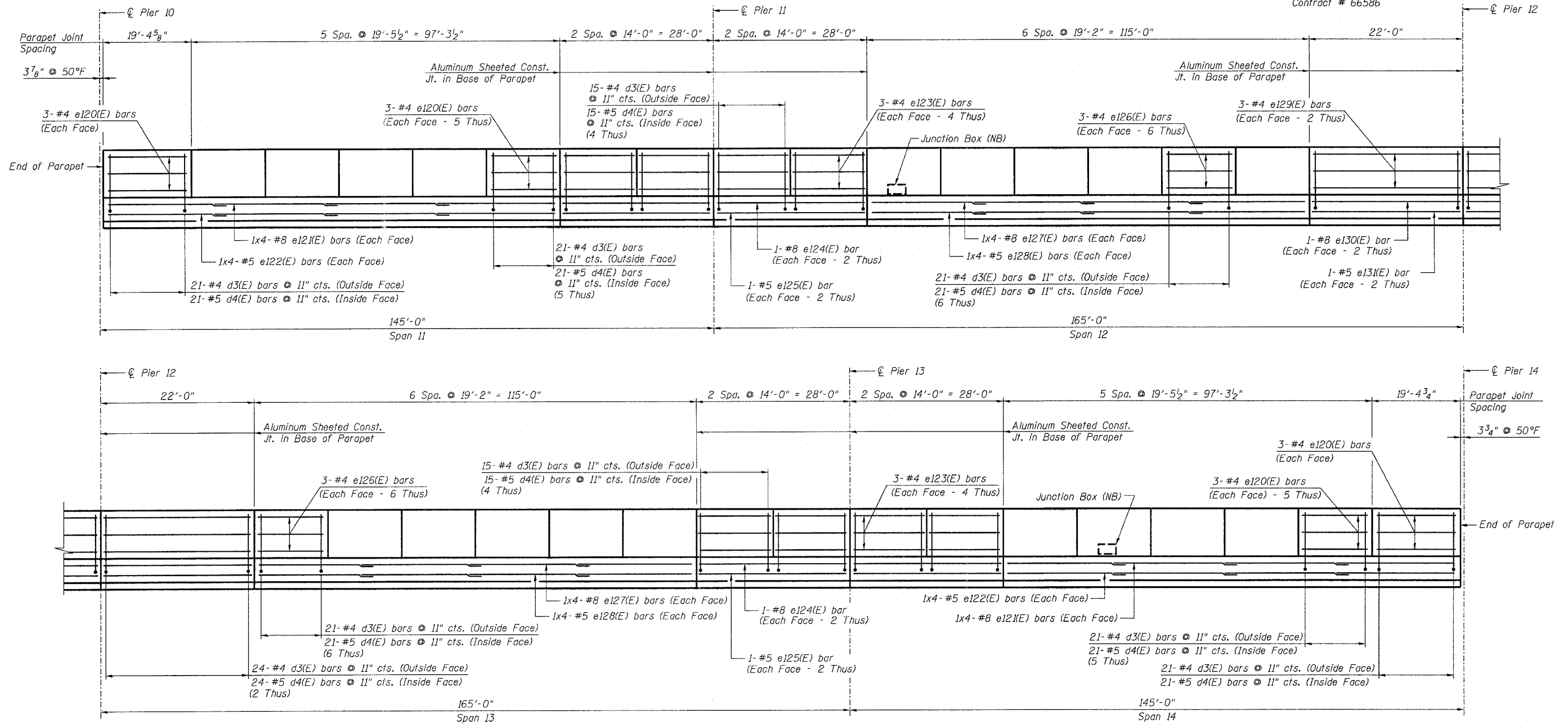
DECK PLAN - SPANS 11 THRU 14
ABRAHAM LINCOLN BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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312-565-0450
Job # 3856

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 118
F.A.I. 39	50-4B	LASALLE		140	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	Contract # 66586		



INSIDE ELEVATION OF OUTSIDE PARAPET - SB
REFLECTED INSIDE ELEVATION OF OUTSIDE PARAPET - NB

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Bars indicated thus 3x4 - #4 etc. indicates 3 lines of bars with 4 lengths per line.
3. Use the following minimum lap lengths unless otherwise noted:
 - #4 - 1'-8"
 - #5 - 2'-2"
 - #8 - 4'-6"
4. For Bill of Material and Reinforcement schedule see sheet 120.
5. All edges have 3/4" chamfer.
6. For section through parapet see sheets 166 and 168.
7. For Junction Box locations, see Electrical Plans.
8. For additional rebar at Junction Box, see sheet 169.

DESIGNED -	AJK
CHECKED -	KWS
DRAWN -	AR
CHECKED -	MRB

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Chicago, Illinois 60601
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Job # 3856

PARAPET ELEVATION - SPANS 11 THRU 14
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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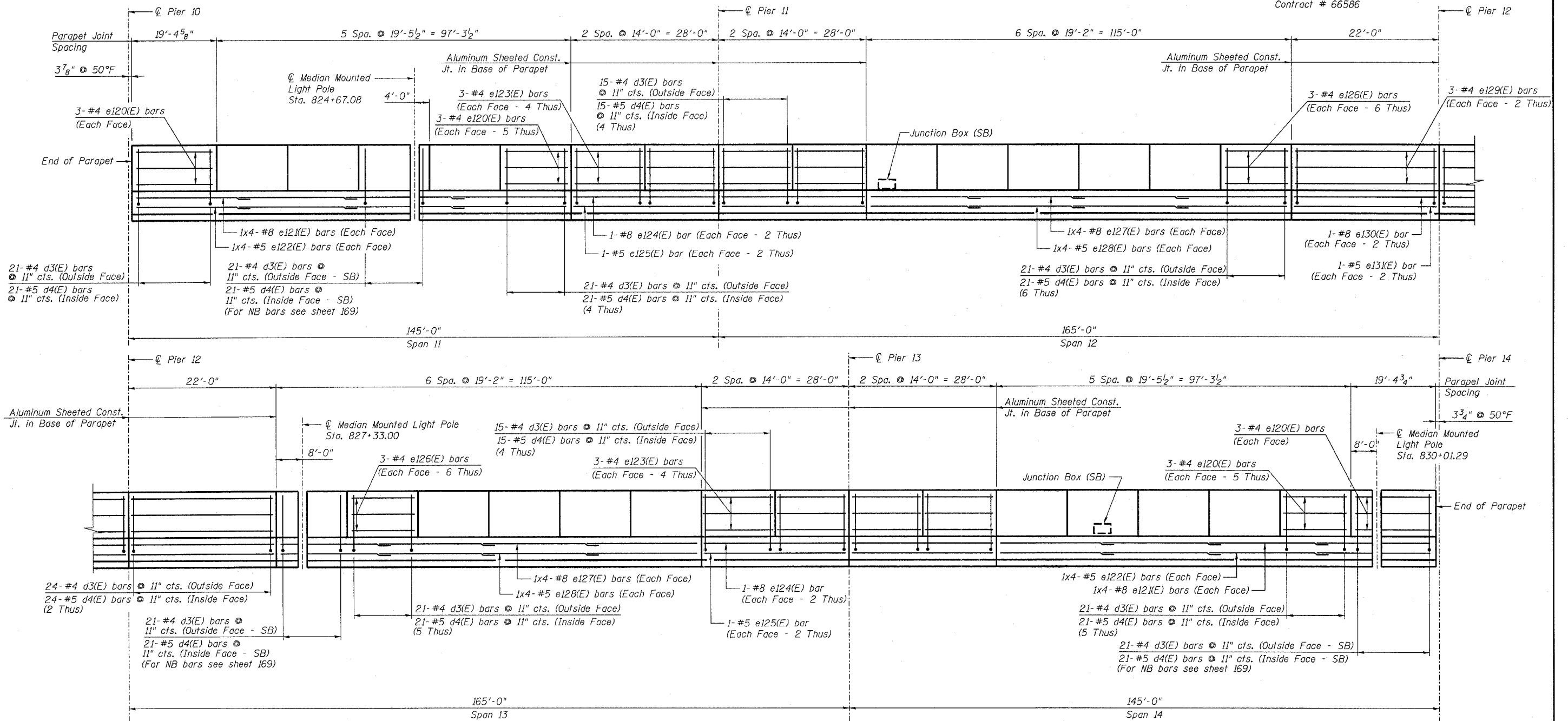
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET	SHEET NO. 119
F.A.I. 39	50-4B	LASALLE	141		313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract # 66586



INSIDE ELEVATION OF MEDIAN PARAPET - NB
REFLECTED INSIDE ELEVATION OF MEDIAN PARAPET - SB

NOTES:

1. For Median Mounted Light Pole detail and additional reinforcement see sheet 169.
2. For additional Notes see sheet 118.

DESIGNED -	AJK
CHECKED -	KWS
DRAWN -	AR
CHECKED -	MRB

PARAPET ELEVATION - SPANS 11 THRU 14
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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312-685-0450
Job # 3856

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET	SHEET NO. 120
F.A.I. 39	50-4B	LASALLE		142	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	Contract # 66586		

BILL OF MATERIAL
(Southbound Deck)

Bar	No.	Size	Length	Shape
a(E)	2109	#5	42'-6"	—
a1(E)	1236	#6	4'-6"	—
a2(E)	24	#5	2'-0"	—
a3(E)	6	#6	5'-0"	—
a4(E)	8	#6	2'-6"	—
a5(E)	15	#6	8'-0"	—
b3(E)	12	#5	2'-3"	—
b120(E)	1012	#5	30'-3"	—
b121(E)	874	#5	29'-0"	—
b122(E)	258	#6	32'-9"	—
b123(E)	129	#6	28'-9"	—
d(E)	672	#4	3'-4"	┌
d1(E)	1344	#5	2'-5"	└
d2(E)	672	#4	3'-5"	┌
d8(E)	15	#5	5'-5"	┌
d99(E)	590	#5	3'-6"	└
x(E)	80	#5	4'-1"	└
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	187,800		
Concrete Superstructure	Cu. Yd.	738.5		
Bridge Deck Grooving	Sq. Yd.	2,606		
Protective Coat	Sq. Yd.	2,743		

BILL OF MATERIAL
(Southbound Parapets)

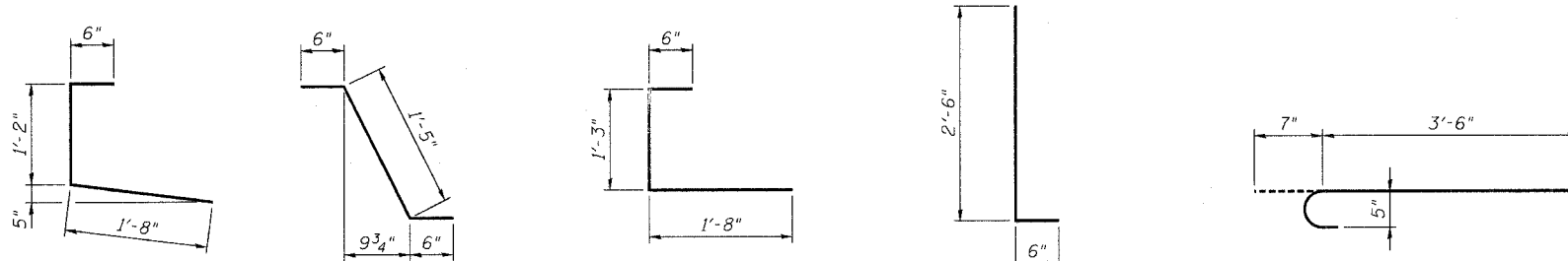
Bar	No.	Size	Length	Shape
d3(E)	1344	#4	3'-0"	┌
d4(E)	1353	#5	3'-0"	┌
d6(E)	15	#6	8'-11"	└
e10(E)	9	#4	2'-3"	—
e11(E)	3	#8	2'-3"	—
e12(E)	3	#5	2'-3"	—
e14(E)	8	#5	6'-0"	—
e120(E)	144	#4	19'-3"	—
e121(E)	32	#8	32'-9"	—
e122(E)	32	#5	31'-0"	—
e123(E)	96	#4	13'-9"	—
e124(E)	16	#8	27'-9"	—
e125(E)	16	#5	27'-9"	—
e126(E)	144	#4	19'-0"	—
e127(E)	32	#8	32'-3"	—
e128(E)	32	#5	30'-6"	—
e129(E)	24	#4	21'-9"	—
e130(E)	8	#8	21'-9"	—
e131(E)	8	#5	21'-9"	—
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	22,030		
Concrete Superstructure	Cu. Yd.	148.1		
Protective Coat	Sq. Yd.	537		

BILL OF MATERIAL
(Northbound Deck)

Bar	No.	Size	Length	Shape
a(E)	2109	#5	42'-6"	—
a1(E)	1236	#6	4'-6"	—
a2(E)	24	#5	2'-0"	—
a3(E)	6	#6	5'-0"	—
a4(E)	8	#6	2'-6"	—
b3(E)	12	#5	2'-3"	—
b120(E)	1012	#5	30'-3"	—
b121(E)	874	#5	29'-0"	—
b122(E)	258	#6	32'-9"	—
b123(E)	129	#6	28'-9"	—
d(E)	672	#4	3'-4"	┌
d1(E)	1340	#5	2'-5"	└
d2(E)	668	#4	3'-5"	┌
d99(E)	590	#5	3'-6"	└
x(E)	80	#5	4'-1"	└
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	187,520		
Concrete Superstructure	Cu. Yd.	737.8		
Bridge Deck Grooving	Sq. Yd.	2,606		
Protective Coat	Sq. Yd.	2,743		

BILL OF MATERIAL
(Northbound Parapets)

Bar	No.	Size	Length	Shape
d3(E)	1340	#4	3'-0"	┌
d4(E)	1340	#5	3'-0"	┌
e14(E)	8	#5	6'-0"	—
e120(E)	144	#4	19'-3"	—
e121(E)	32	#8	32'-9"	—
e122(E)	32	#5	31'-0"	—
e123(E)	96	#4	13'-9"	—
e124(E)	16	#8	27'-9"	—
e125(E)	16	#5	27'-9"	—
e126(E)	144	#4	19'-0"	—
e127(E)	32	#8	32'-3"	—
e128(E)	32	#5	30'-6"	—
e129(E)	24	#4	21'-9"	—
e130(E)	8	#8	21'-9"	—
e131(E)	8	#5	21'-9"	—
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	21,740		
Concrete Superstructure	Cu. Yd.	146.0		
Protective Coat	Sq. Yd.	537		



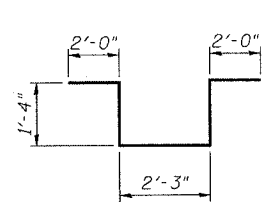
BAR d(E)

BAR d1(E)

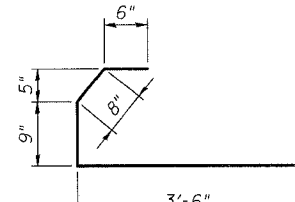
BAR d2(E)

BARS d3(E) & d4(E)

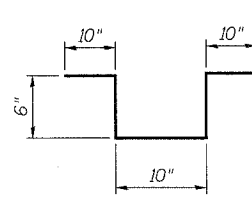
BAR x(E)



BAR d6(E)



BAR d8(E)



BAR d99(E)

- NOTES:**
1. Reinforcement bars designated (E) shall be epoxy coated.
 2. All bar dimensions are out to out.

BILL OF MATERIAL - SPANS 11 THRU 14
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

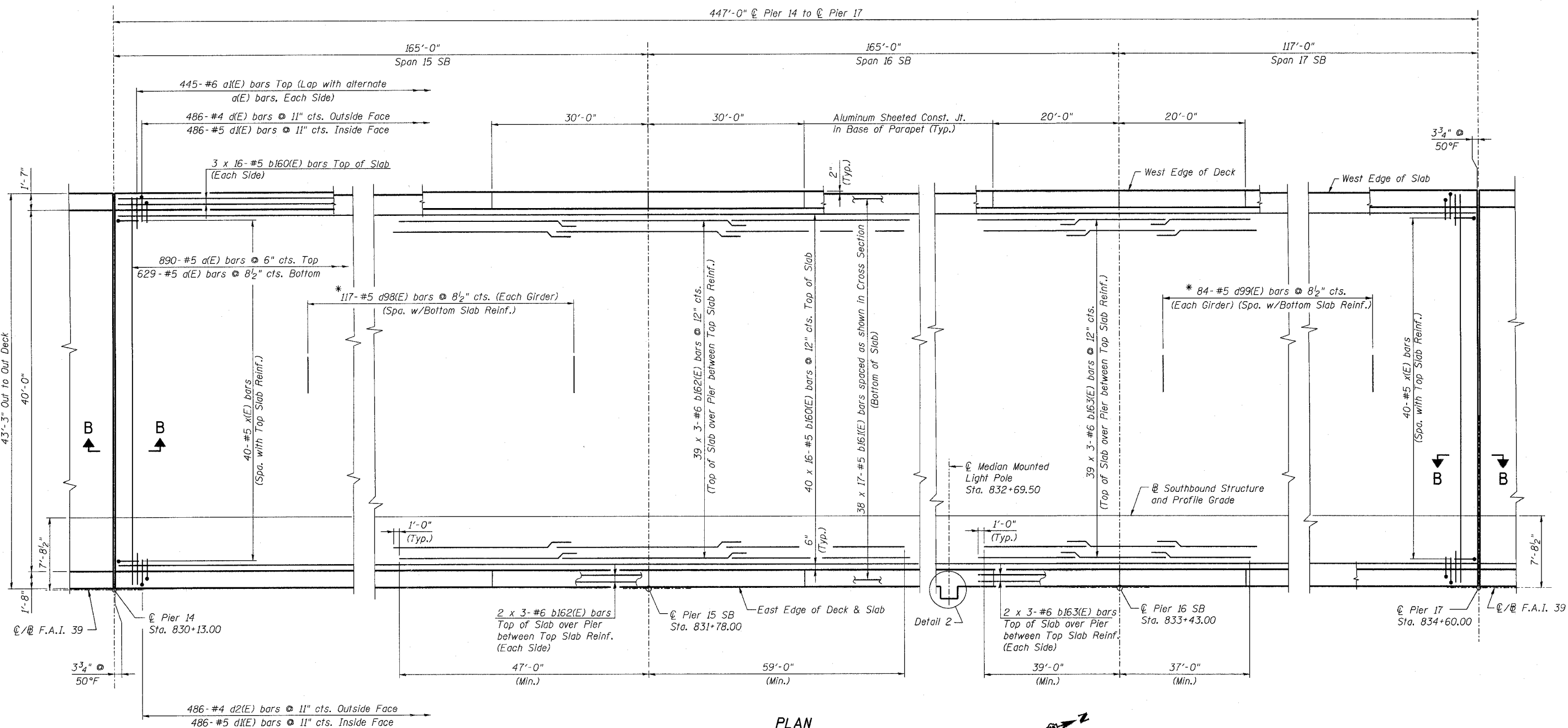
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alfred benesch & company
Engineers • Surveyors • Planners
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Chicago, Illinois 60601
312-955-0450
Job # 3856

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	SHEET 143	SHEET NO. 121 313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT-		

Contract # 66586



PLAN

NOTES:

1. For Deck Cross Section see sheet 163.
2. For Bill of Material and Reinforcement Schedule see sheet 125.
3. For Deck Details and Section B-B see sheets 166 thru 169.
4. Reinforcement bars designated (E) shall be epoxy coated.
5. Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
6. Floor Drains and Scuppers not shown. For locations, see sheets 175 and 176.
7. For Scupper Details see sheets 177 and 178.
8. For additional deck reinforcement at Scupper locations see sheet 166.
9. For additional deck reinforcement at Detail 2 see sheet 168.

* Estimated no. of bars anticipated due to existing studs not meeting the minimum projection into proposed deck. Actual no. of bars shall be determined in the field. Cost of additional rebar required shall be paid for at the unit cost of "Reinforcement Bars, Epoxy Coated".

MINIMUM BAR LAP
(Slab)

#5 bar = 2'-2"
#6 bar = 2'-7"

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

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alfred benesch & company
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205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-265-0450
Job # 3856

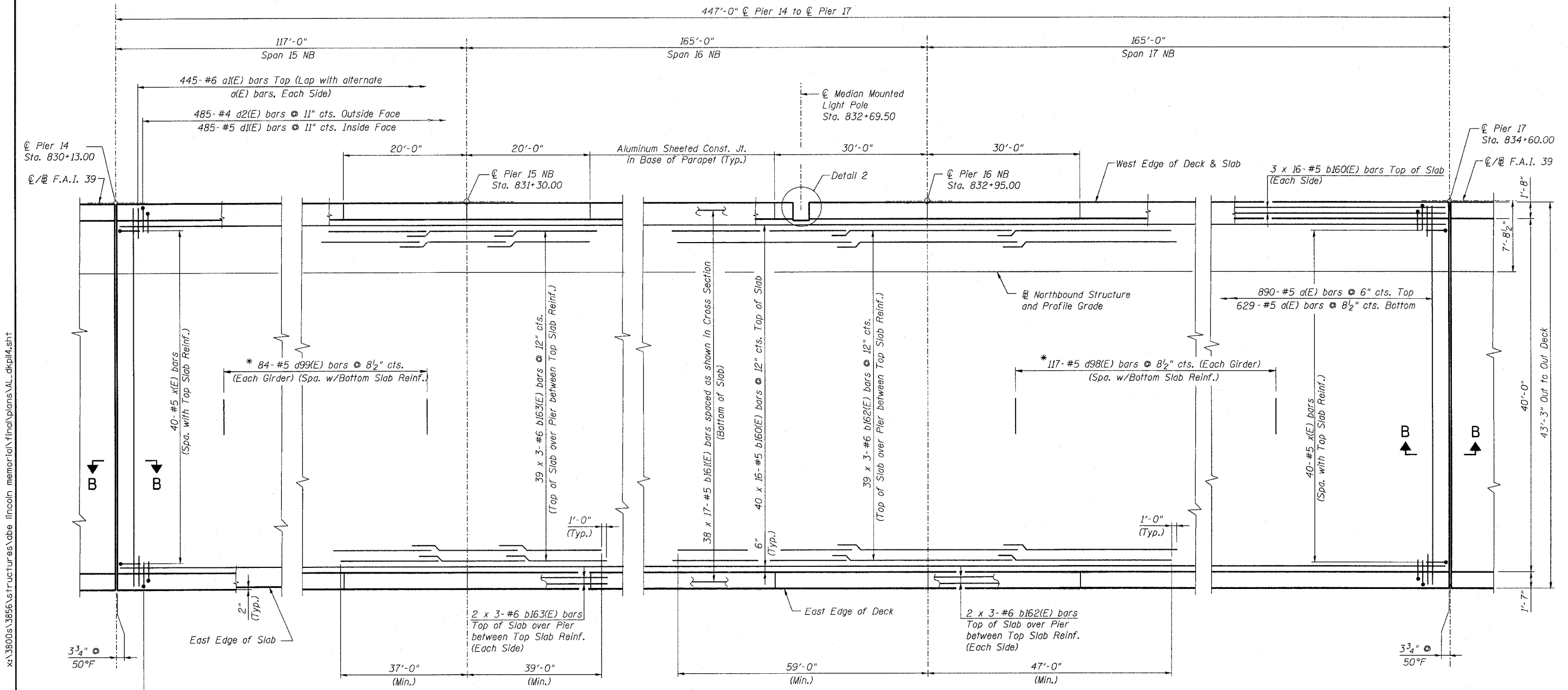
DECK PLAN - SPANS 15 THRU 17 SB
ABRAHAM LINCOLN BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	SHEET 144	SHEET NO. 122
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT

Contract # 66586



PLAN

NOTES:
1. For Notes see sheet 121.

* Estimated no. of bars anticipated due to existing studs not meeting the minimum projection into proposed deck. Actual no. of bars shall be determined in the field. Cost of additional rebar required shall be paid for at the unit cost of "Reinforcement Bars, Epoxy Coated".

MINIMUM BAR LAP
(Slab)
#5 bar = 2'-2"
#6 bar = 2'-7"

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

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alfred benesch & company
Engineers - Surveyors - Planners
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Chicago, Illinois 60601
312-665-0450
Job # 3856

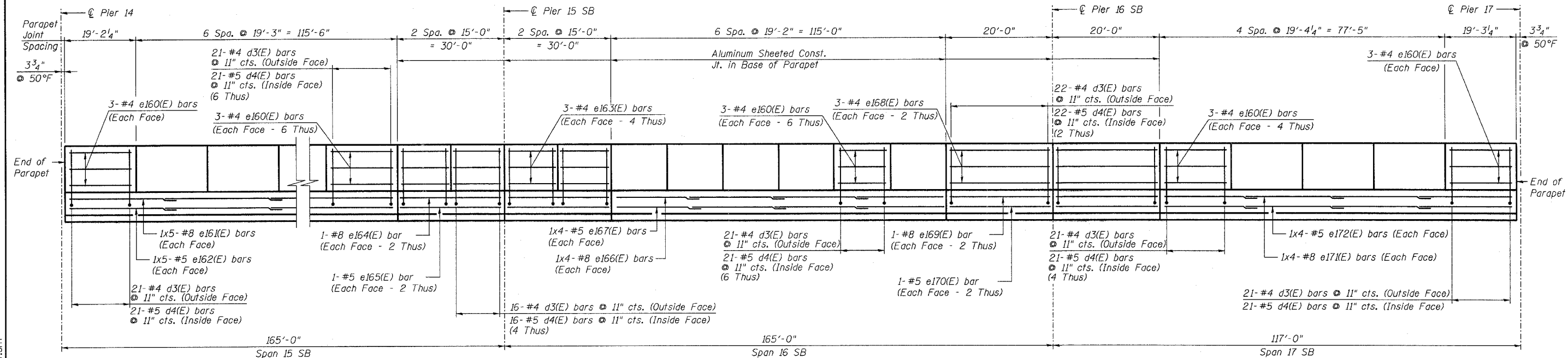
DECK PLAN - SPANS 15 THRU 17 NB
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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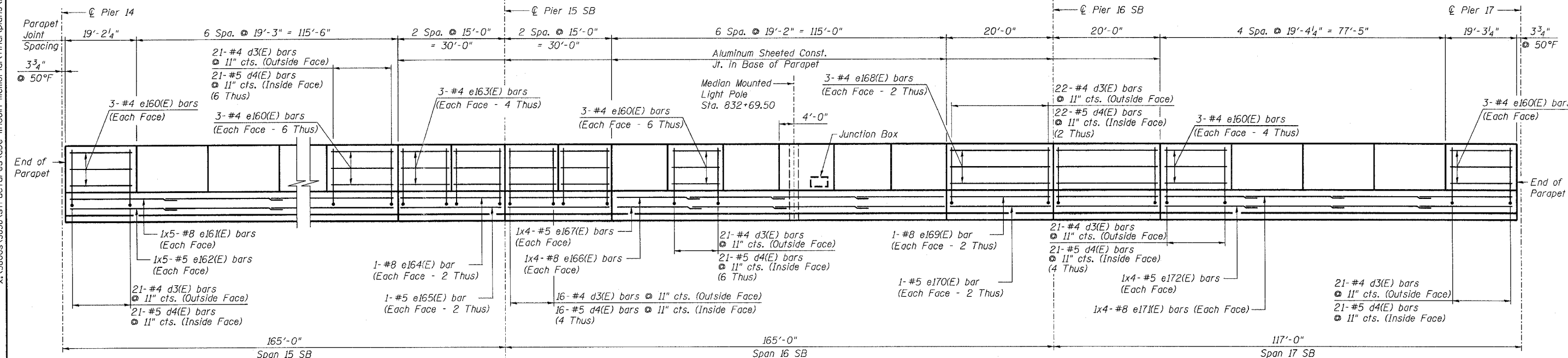
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	SHEETS 145	SHEET NO. 123 313 SHEETS
FED. ROAD DIST. NO. 7				ILLINOIS FED. AID PROJECT

Contract # 66586



INSIDE ELEVATION OF OUTSIDE PARAPET



REFLECTED INSIDE ELEVATION OF MEDIAN PARAPET

- NOTES:**
1. Reinforcement bars designated (E) shall be epoxy coated.
 2. Bars indicated thus 3x4 - #4 etc. indicates 3 lines of bars with 4 lengths per line.
 3. Use the following minimum lap lengths unless otherwise noted:
 - #4 - 1'-8"
 - #5 - 2'-2"
 - #8 - 4'-6"
 4. For Bill of Material and Reinforcement schedule see sheet 125.
 5. All edges have 3/4" chamfer.
 6. For section through parapet see sheets 166 and 168.
 7. For Median Mounted Light Pole details and additional reinforcement see sheet 169.
 8. For Junction Box location, see Electrical Plans.
 9. For additional rebar at Junction Box, see sheet 169.

DESIGNED -	AJK
CHECKED -	KWS
DRAWN -	AR
CHECKED -	MRB

PARAPET ELEVATION - SPANS 15 THRU 17 SB
 ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
 THE ILLINOIS RIVER (PUBLIC WATERS)
 F.A.I. ROUTE 39 SEC. (50-4B) BR
 LASALLE COUNTY
 STATION 863+16.00
 STRUCTURE NO. 050-0191 (SB & NB)

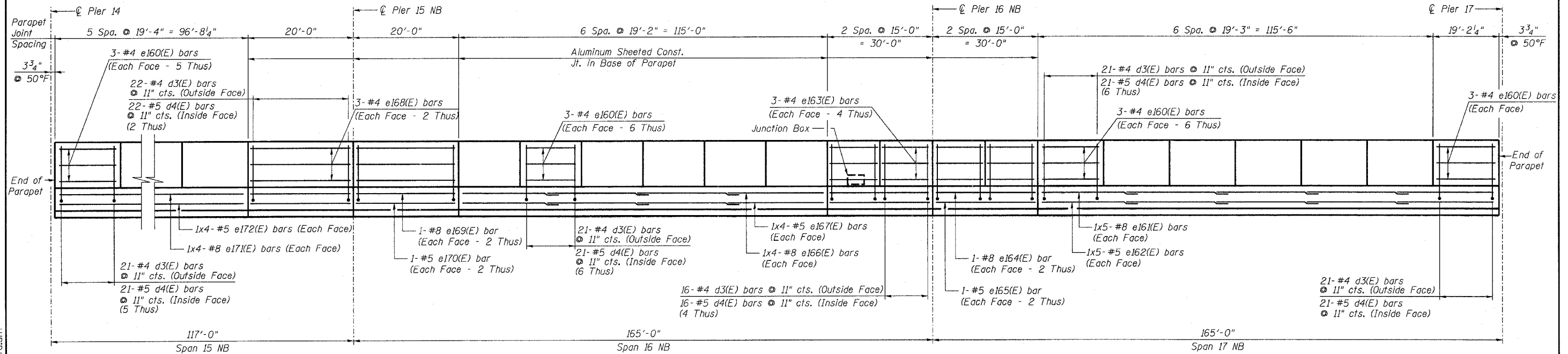
benesch
 alfred benesch & company
 Engineers - Surveyors - Planners
 205 North Michigan Avenue, Suite 2400
 Chicago, Illinois 60601
 312-565-0450
 Job # 3856

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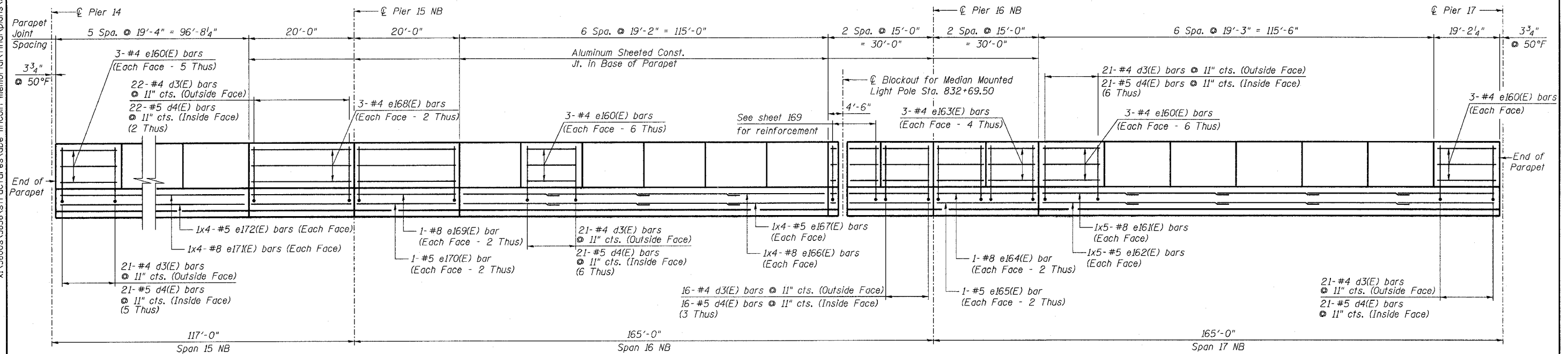
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. 124 313 SHEETS
F.A.I. 39	50-4B	LASALLE		146	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract # 66586



REFLECTED INSIDE ELEVATION OF OUTSIDE PARAPET



INSIDE ELEVATION OF MEDIAN PARAPET

NOTES:
1. For Notes see sheet 123.

PARPET ELEVATION - SPANS 15 THRU 17 NB
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

DESIGNED -	AJK
CHECKED -	KWS
DRAWN -	AR
CHECKED -	MRB

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
F.A.I. 39	50-4B	LASALLE	147	125
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		313 SHEETS

Contract # 66586

BILL OF MATERIAL
(Southbound Deck)

Bar	No.	Size	Length	Shape
a(E)	1519	#5	42'-6"	—
a1(E)	890	#6	4'-6"	—
a2(E)	8	#5	2'-0"	—
a3(E)	6	#6	5'-0"	—
a4(E)	8	#6	2'-6"	—
a5(E)	5	#6	8'-0"	—
b3(E)	4	#5	2'-3"	—
b160(E)	736	#5	30'-0"	—
b161(E)	646	#5	28'-3"	—
b162(E)	129	#6	37'-6"	—
b163(E)	129	#6	27'-6"	—
d(E)	486	#4	3'-4"	┌
d1(E)	972	#5	2'-5"	┌
d2(E)	486	#4	3'-5"	┌
d8(E)	5	#5	5'-5"	┌
d98(E)	585	#5	3'-8"	┌
d99(E)	420	#5	3'-6"	┌
x(E)	80	#5	4'-1"	┌
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	136,950		
Concrete Superstructure	Cu. Yd.	532.3		
Bridge Deck Grooving	Sq. Yd.	1,876		
Protective Coat	Sq. Yd.	1,975		

BILL OF MATERIAL
(Southbound Parapets)

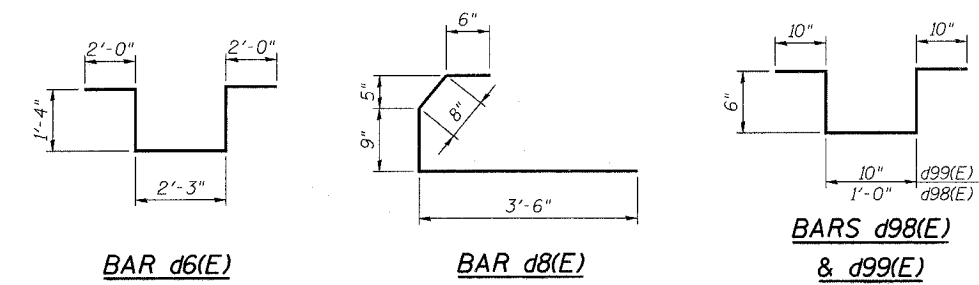
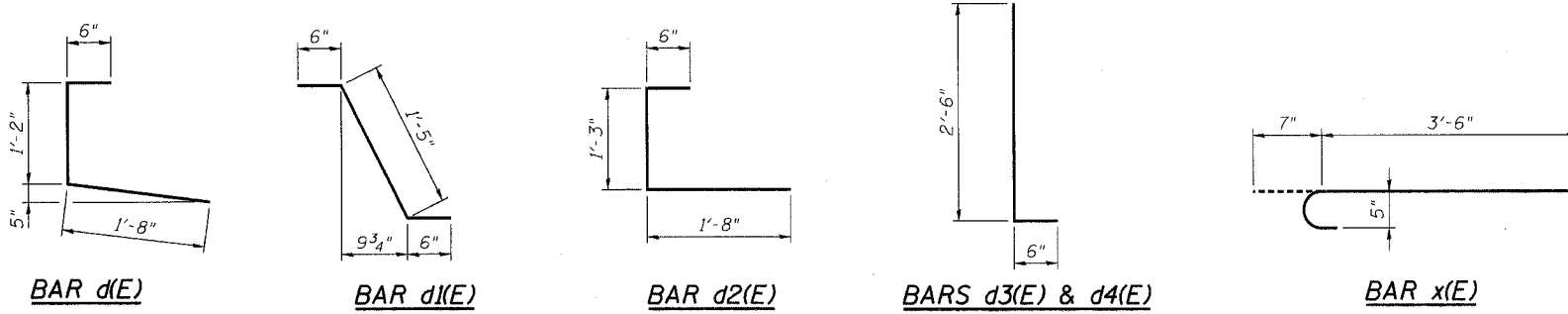
Bar	No.	Size	Length	Shape
d3(E)	972	#4	3'-0"	┌
d4(E)	975	#5	3'-0"	┌
d6(E)	5	#6	8'-11"	┌
e10(E)	3	#4	2'-3"	—
e11(E)	1	#8	2'-3"	—
e12(E)	1	#5	2'-3"	—
e14(E)	4	#5	6'-0"	—
e160(E)	216	#4	19'-0"	—
e161(E)	20	#8	30'-9"	—
e162(E)	20	#5	28'-9"	—
e163(E)	48	#4	14'-9"	—
e164(E)	8	#8	29'-9"	—
e165(E)	8	#5	29'-9"	—
e166(E)	16	#8	32'-3"	—
e167(E)	16	#5	30'-6"	—
e168(E)	24	#4	19'-9"	—
e169(E)	8	#8	19'-9"	—
e170(E)	8	#5	19'-9"	—
e171(E)	16	#8	27'-6"	—
e172(E)	16	#5	26'-0"	—
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	15,810		
Concrete Superstructure	Cu. Yd.	106.3		
Protective Coat	Sq. Yd.	387		

BILL OF MATERIAL
(Northbound Deck)

Bar	No.	Size	Length	Shape
a(E)	1519	#5	42'-6"	—
a1(E)	890	#6	4'-6"	—
a2(E)	8	#5	2'-0"	—
a3(E)	6	#6	5'-0"	—
a4(E)	8	#6	2'-6"	—
b3(E)	4	#5	2'-3"	—
b160(E)	736	#5	30'-0"	—
b161(E)	646	#5	28'-3"	—
b162(E)	129	#6	37'-6"	—
b163(E)	129	#6	27'-6"	—
d(E)	486	#4	3'-4"	┌
d1(E)	971	#5	2'-5"	┌
d2(E)	485	#4	3'-5"	┌
d98(E)	585	#5	3'-8"	┌
d99(E)	420	#5	3'-6"	┌
x(E)	80	#5	4'-1"	┌
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	136,860		
Concrete Superstructure	Cu. Yd.	532.1		
Bridge Deck Grooving	Sq. Yd.	1,876		
Protective Coat	Sq. Yd.	1,975		

BILL OF MATERIAL
(Northbound Parapets)

Bar	No.	Size	Length	Shape
d3(E)	971	#4	3'-0"	┌
d4(E)	971	#5	3'-0"	┌
e14(E)	4	#5	6'-0"	—
e160(E)	216	#4	19'-0"	—
e161(E)	20	#8	30'-9"	—
e162(E)	20	#5	28'-9"	—
e163(E)	48	#4	14'-9"	—
e164(E)	8	#8	29'-9"	—
e165(E)	8	#5	29'-9"	—
e166(E)	16	#8	32'-3"	—
e167(E)	16	#5	30'-6"	—
e168(E)	24	#4	19'-9"	—
e169(E)	8	#8	19'-9"	—
e170(E)	8	#5	19'-9"	—
e171(E)	16	#8	27'-6"	—
e172(E)	16	#5	26'-0"	—
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	15,750		
Concrete Superstructure	Cu. Yd.	105.6		
Protective Coat	Sq. Yd.	387		



- NOTES:**
1. Reinforcement bars designated (E) shall be epoxy coated.
 2. All bar dimensions are out to out.

**BILL OF MATERIAL - SPANS 15 THRU 17
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)**

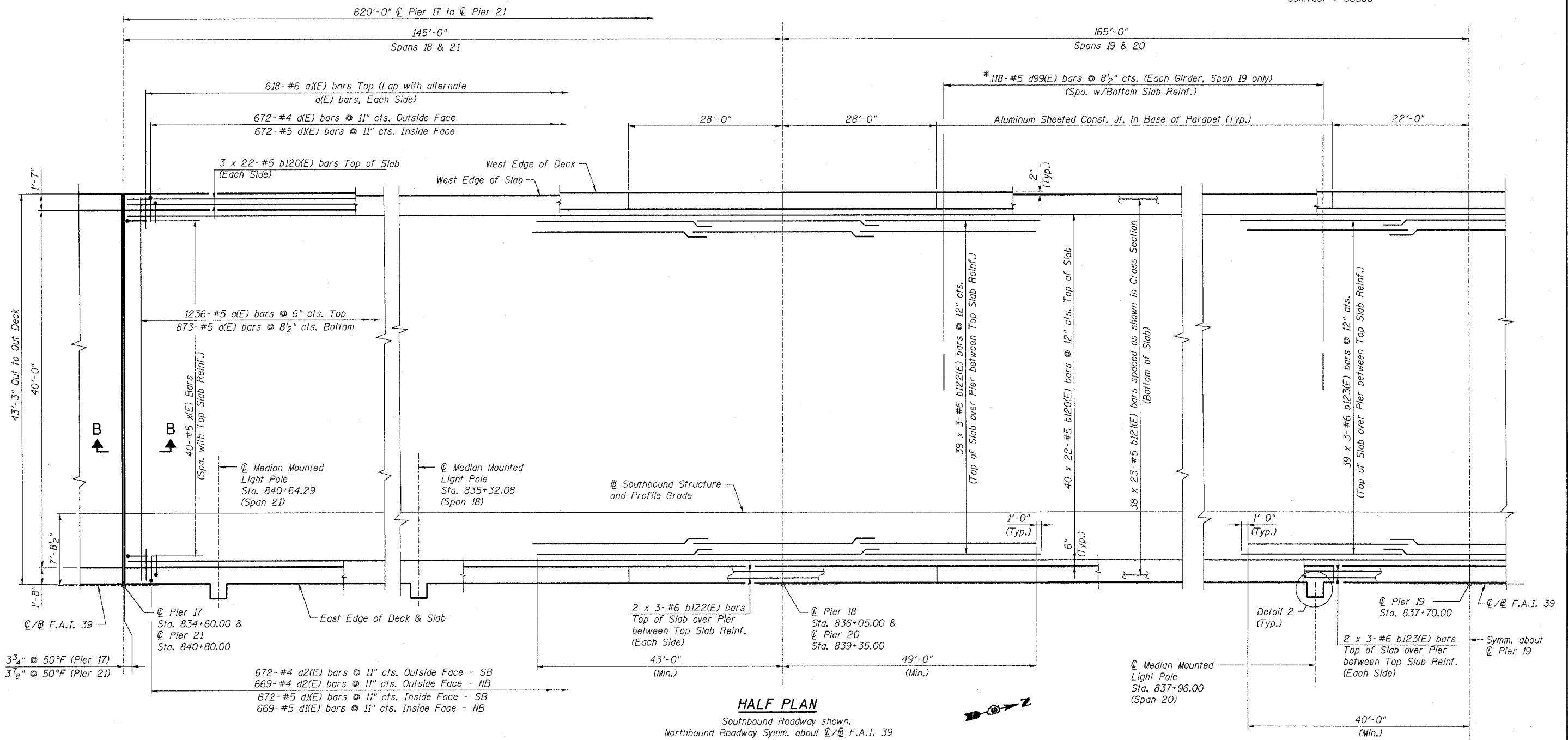
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alfred benesch & company
Engineers - Surveyors - Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450
Job # 3856

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DESIGNED -	AJK
CHECKED -	MRB
DRAWN -	VH
CHECKED -	MRB

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. 126 313 SHEETS
F.A.I. 39	50-4B	LASALLE		148	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	Contract # 66586		



HALF PLAN

Southbound Roadway shown.
Northbound Roadway Symm. about C/C F.A.I. 39

NOTES:

1. For Deck Cross Section see sheet 163.
2. For Bill of Material and Reinforcement Schedule see sheet 129.
3. For Deck Details and Section B-B see sheets 166 thru 169.
4. Reinforcement bars designated (E) shall be epoxy coated.
5. Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
6. Floor Drains and Scuppers not shown. For locations, see sheets 175 and 176.
7. For Scupper Details see sheets 177 and 178.
8. For additional deck reinforcement at Scupper locations see sheet 166.
9. For additional deck reinforcement at Detail 2 see sheet 168.

* Estimated no. of bars anticipated due to existing studs not meeting the minimum projection into proposed deck. Actual no. of bars shall be determined in the field. Cost of additional rebars required shall be paid for at the unit cost of "Reinforcement Bars, Epoxy Coated".

MINIMUM BAR LAP
(Slab)

- #5 bar = 2'-2"
- #6 bar = 2'-7"

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

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Job # 3856

DECK PLAN - SPANS 18 THRU 21
ABRAHAM LINCOLN BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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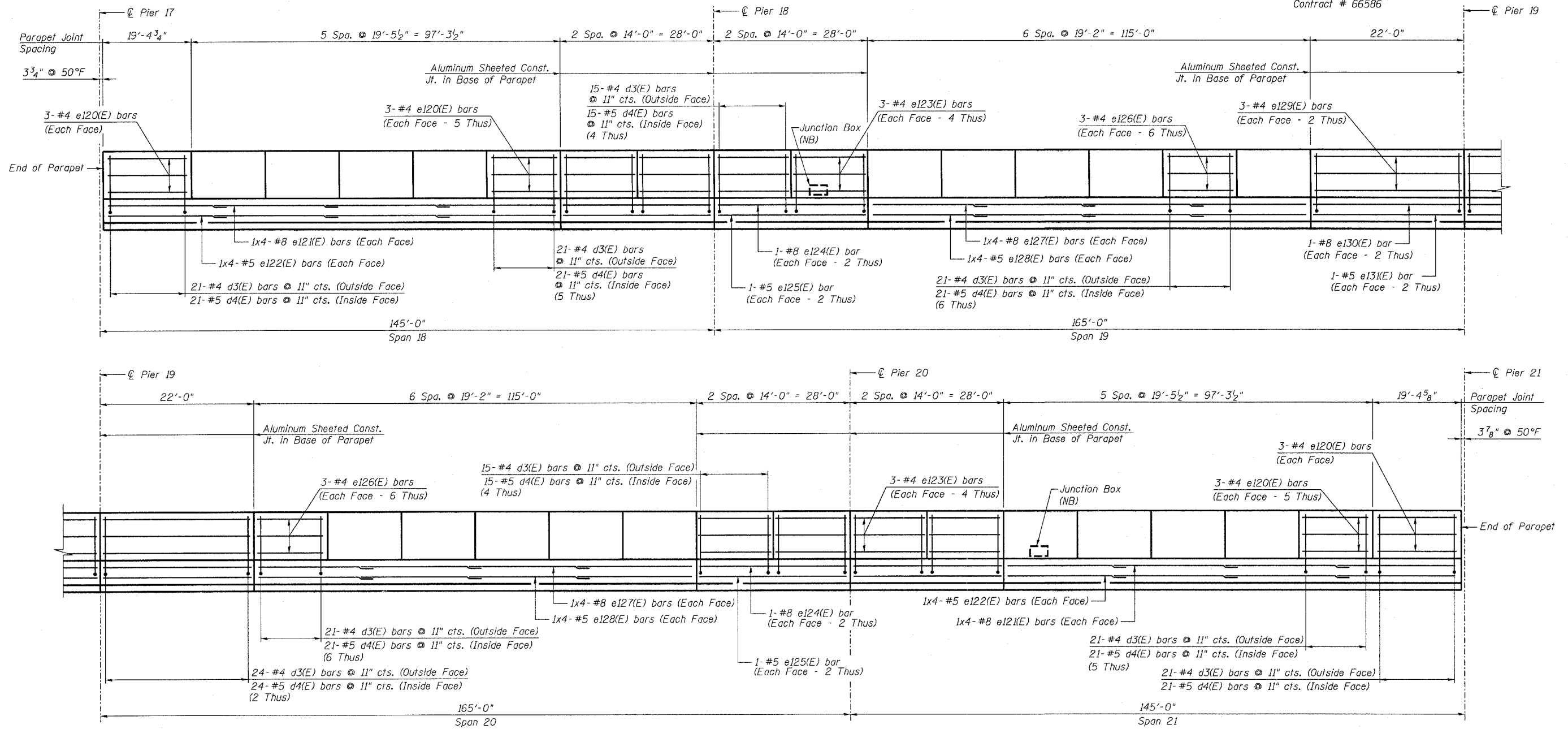
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 127
F.A.I. 39	50-4B	LASALLE		149	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract # 66586



INSIDE ELEVATION OF OUTSIDE PARAPET - SB
REFLECTED INSIDE ELEVATION OF OUTSIDE PARAPET - NB

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Bars indicated thus 3x4 - #4 etc. indicates 3 lines of bars with 4 lengths per line.
3. Use the following minimum lap lengths unless otherwise noted:

#4 - 1'-8"
#5 - 2'-2"
#8 - 4'-6"
4. For Bill of Material and Reinforcement schedule see sheet 129.
5. All edges have 3/4" chamfer.
6. For section through parapet see sheets 166 and 168.
7. For Junction Box locations, see Electrical Plans.
8. For additional rebar at Junction Box, see sheet 169.

DESIGNED -	AJK
CHECKED -	KWS
DRAWN -	AR
CHECKED -	MRB

PARAPET ELEVATION - SPANS 18 THRU 21
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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312-565-0460
Job # 3856

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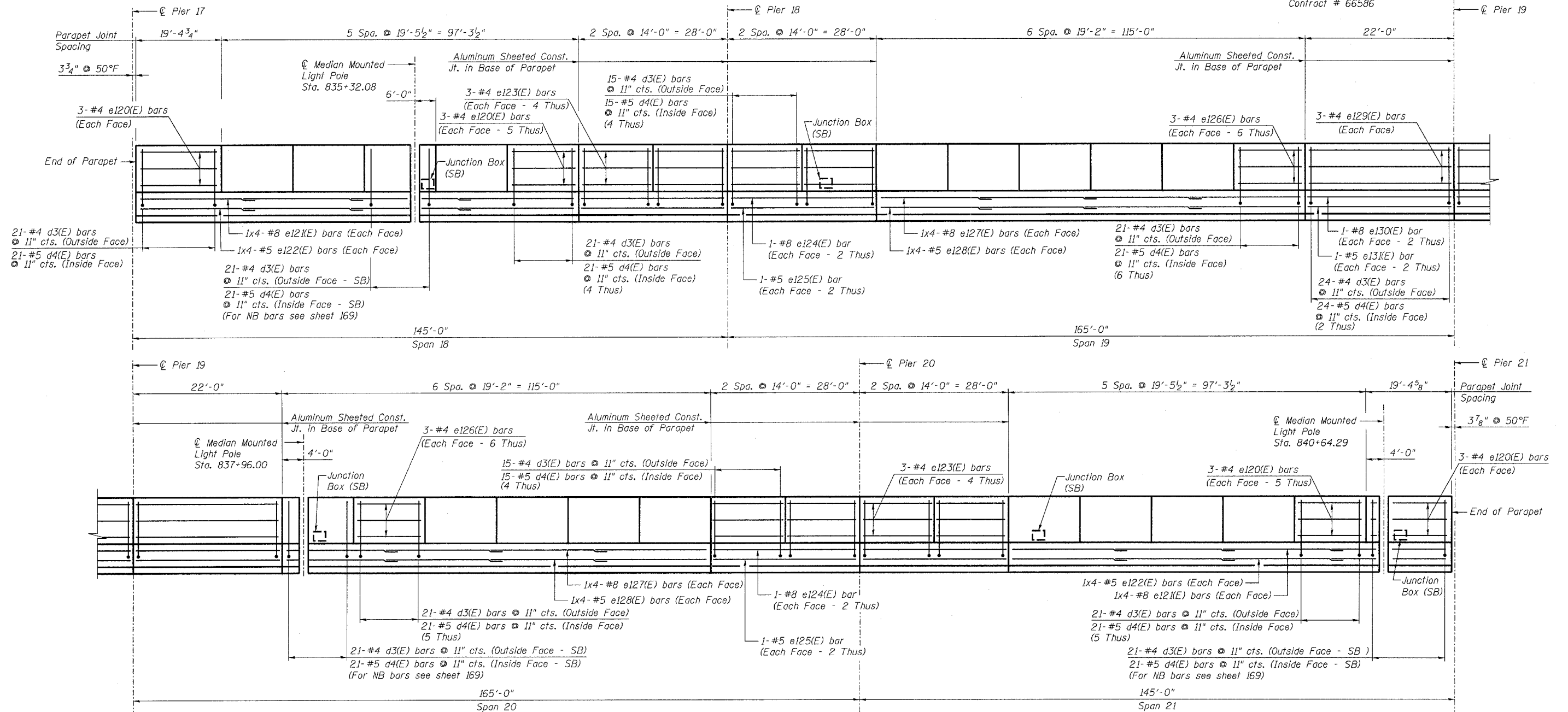
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8/30/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO.
F.A.I. 39	50-4B	LASALLE	150	128
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		313 SHEETS

Contract # 66586



INSIDE ELEVATION OF MEDIAN PARAPET - NB
REFLECTED INSIDE ELEVATION OF MEDIAN PARAPET - SB

NOTES:

1. For Median Mounted Light Pole details and additional reinforcement see sheet 169.
2. For additional notes see sheet 127.

DESIGNED -	AJK
CHECKED -	KWS
DRAWN -	AR
CHECKED -	MRB

PARAPET ELEVATION - SPANS 18 THRU 21
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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Job # 3856

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET NO.	SHEET NO. 129 313 SHEETS
F.A.I. 39	50-4B	LASALLE	151	151	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	Contract # 66586		

BILL OF MATERIAL
(Southbound Deck)

Bar	No.	Size	Length	Shape
a(E)	2109	#5	42'-6"	—
a1(E)	1236	#6	4'-6"	—
a2(E)	24	#5	2'-0"	—
a3(E)	6	#6	5'-0"	—
a4(E)	8	#6	2'-6"	—
a5(E)	15	#6	8'-0"	—
b3(E)	12	#5	2'-3"	—
b120(E)	1012	#5	30'-3"	—
b121(E)	874	#5	29'-0"	—
b122(E)	258	#6	32'-9"	—
b123(E)	129	#6	28'-9"	—
d(E)	672	#4	3'-4"	┌
d1(E)	1344	#5	2'-5"	┌
d2(E)	672	#4	3'-5"	┌
d8(E)	15	#5	5'-5"	┌
d99(E)	590	#5	3'-6"	┌
x(E)	80	#5	4'-1"	┌
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	187,800		
Concrete Superstructure	Cu. Yd.	738.5		
Bridge Deck Grooving	Sq. Yd.	2,606		
Protective Coat	Sq. Yd.	2,743		

BILL OF MATERIAL
(Southbound Parapets)

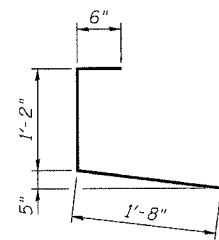
Bar	No.	Size	Length	Shape
d3(E)	1344	#4	3'-0"	┌
d4(E)	1353	#5	3'-0"	┌
d6(E)	15	#6	8'-11"	┌
e10(E)	9	#4	2'-3"	—
e11(E)	3	#8	2'-3"	—
e12(E)	3	#5	2'-3"	—
e14(E)	20	#5	6'-0"	—
e120(E)	144	#4	19'-3"	—
e121(E)	32	#8	32'-9"	—
e122(E)	32	#5	31'-0"	—
e123(E)	96	#4	13'-9"	—
e124(E)	16	#8	27'-9"	—
e125(E)	16	#5	27'-9"	—
e126(E)	144	#4	19'-0"	—
e127(E)	32	#8	32'-3"	—
e128(E)	32	#5	30'-6"	—
e129(E)	24	#4	21'-9"	—
e130(E)	8	#8	21'-9"	—
e131(E)	8	#5	21'-9"	—
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	22,050		
Concrete Superstructure	Cu. Yd.	148.1		
Protective Coat	Sq. Yd.	537		

BILL OF MATERIAL
(Northbound Deck)

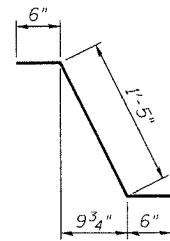
Bar	No.	Size	Length	Shape
a(E)	2109	#5	42'-6"	—
a1(E)	1236	#6	4'-6"	—
a2(E)	24	#5	2'-0"	—
a3(E)	6	#6	5'-0"	—
a4(E)	8	#6	2'-6"	—
b3(E)	12	#5	2'-3"	—
b120(E)	1012	#5	30'-3"	—
b121(E)	874	#5	29'-0"	—
b122(E)	258	#6	32'-9"	—
b123(E)	129	#6	28'-9"	—
d(E)	672	#4	3'-4"	┌
d1(E)	1341	#5	2'-5"	┌
d2(E)	669	#4	3'-5"	┌
d99(E)	590	#5	3'-6"	┌
x(E)	80	#5	4'-1"	┌
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	187,520		
Concrete Superstructure	Cu. Yd.	737.8		
Bridge Deck Grooving	Sq. Yd.	2,606		
Protective Coat	Sq. Yd.	2,743		

BILL OF MATERIAL
(Northbound Parapets)

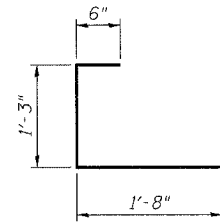
Bar	No.	Size	Length	Shape
d3(E)	1341	#4	3'-0"	┌
d4(E)	1341	#5	3'-0"	┌
e14(E)	8	#5	6'-0"	—
e120(E)	144	#4	19'-3"	—
e121(E)	32	#8	32'-9"	—
e122(E)	32	#5	31'-0"	—
e123(E)	96	#4	13'-9"	—
e124(E)	16	#8	27'-9"	—
e125(E)	16	#5	27'-9"	—
e126(E)	144	#4	19'-0"	—
e127(E)	32	#8	32'-3"	—
e128(E)	32	#5	30'-6"	—
e129(E)	24	#4	21'-9"	—
e130(E)	8	#8	21'-9"	—
e131(E)	8	#5	21'-9"	—
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	21,750		
Concrete Superstructure	Cu. Yd.	146.0		
Protective Coat	Sq. Yd.	537		



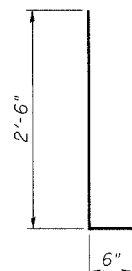
BAR d(E)



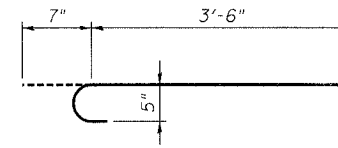
BAR d1(E)



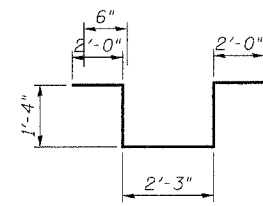
BAR d2(E)



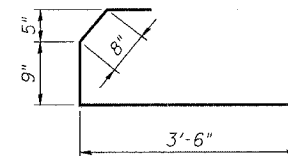
BARS d3(E) & d4(E)



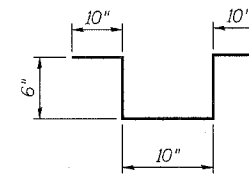
BAR x(E)



BAR d6(E)



BAR d8(E)



BAR d99(E)

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. All bar dimensions are out to out.

**BILL OF MATERIAL - SPANS 18 THRU 21
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)**

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alfred benesch & company
Engineers • Surveyors • Planners
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Chicago, Illinois 60601
312-565-0450
Job # 3856

DESIGNED	AJK
CHECKED	MRB
DRAWN	VH
CHECKED	MRB

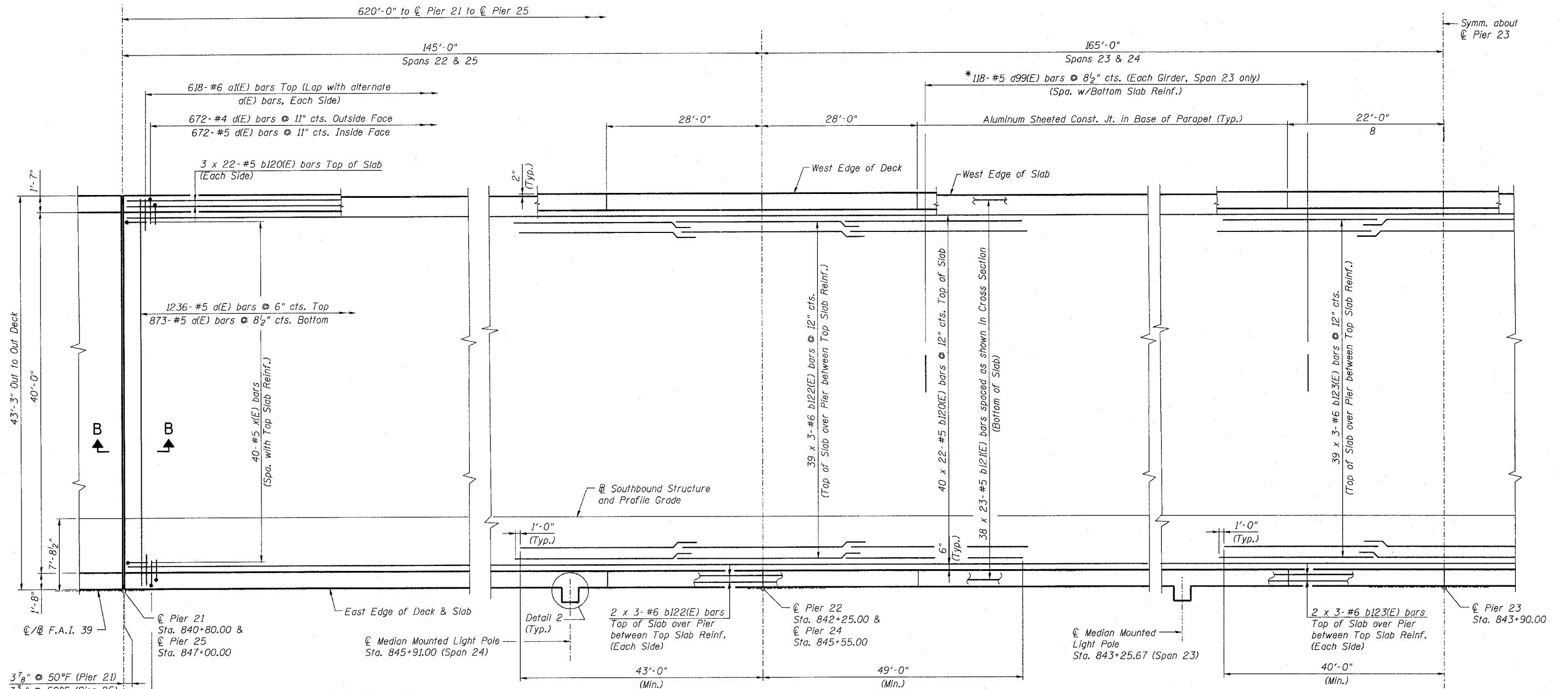
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 130
F.A.I. 39	50-4B	LASALLE		152	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	Contract # 66586		



HALF PLAN
Southbound Roadway shown.
Northbound Roadway Symm. about C/C F.A.I. 39

NOTES:

1. For Deck Cross Section see sheet 163.
2. For Bill of Material and Reinforcement Schedule see sheet 133.
3. For Deck Details and Section B-B see sheets 166 thru 169.
4. Reinforcement bars designated (E) shall be epoxy coated.
5. Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
6. Floor Drains and Scuppers not shown. For locations, see sheets 175 and 176.
7. For Scupper Details see sheets 177 and 178.
8. For additional deck reinforcement at Scupper locations see sheet 166.
9. For additional deck reinforcement at Detail 2 see sheet 168.

* Estimated no. of bars anticipated due to existing studs not meeting the minimum projection into proposed deck. Actual no. of bars shall be determined in the field. Cost of additional rebars required shall be paid for at the unit cost of "Reinforcement Bars, Epoxy Coated".

MINIMUM BAR LAP
(Slab)

#5 bar = 2'-2"
#6 bar = 2'-7"

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

benesch

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Chicago, Illinois 60601
312-565-0460
Job # 3856

DECK PLAN - SPANS 22 THRU 25
ABRAHAM LINCOLN BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

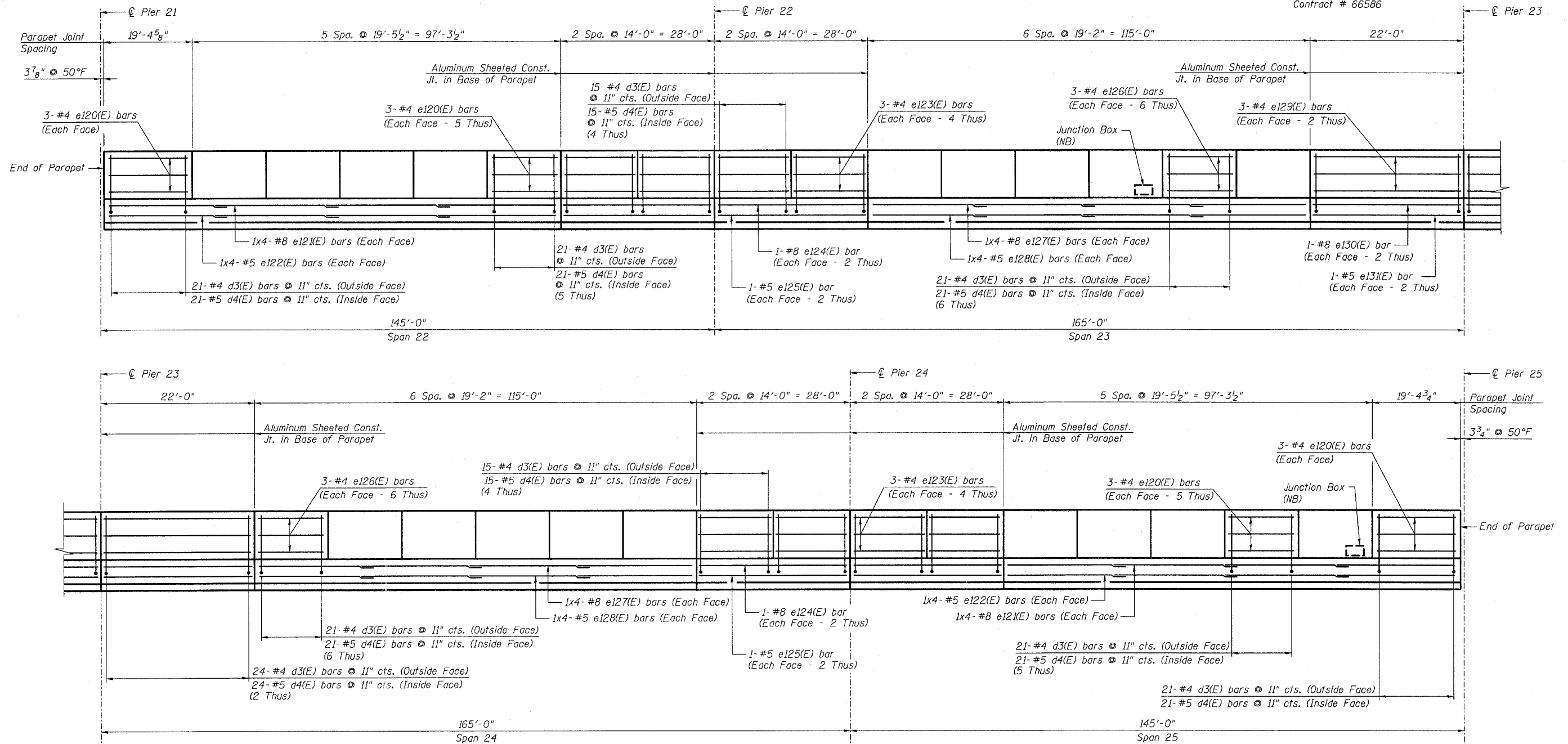
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO.
F.A.I. 39	50-4B	LASALLE	153	131
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		
Contract # 66586				



INSIDE ELEVATION OF OUTSIDE PARAPET - SB
REFLECTED INSIDE ELEVATION OF OUTSIDE PARAPET - NB

NOTES:

- Reinforcement bars designated (E) shall be epoxy coated.
- Bars indicated thus 3x4 - #4 etc. indicates 3 lines of bars with 4 lengths per line.
- Use the following minimum lap lengths unless otherwise noted:
 - #4 - 1'-8"
 - #5 - 2'-2"
 - #8 - 4'-6"
- For Bill of Material and Reinforcement schedule see sheet 133.
- All edges have 3/4" chamfer.
- For section through parapet see sheets 166 and 168.
- For Junction Box locations, see Electrical Plans.
- For additional rebar at Junction Box, see sheet 169.

DESIGNED -	AJK
CHECKED -	KWS
DRAWN -	AR
CHECKED -	MRB

PARAPET ELEVATION - SPANS 22 THRU 25
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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312-585-0450
Job # 3856

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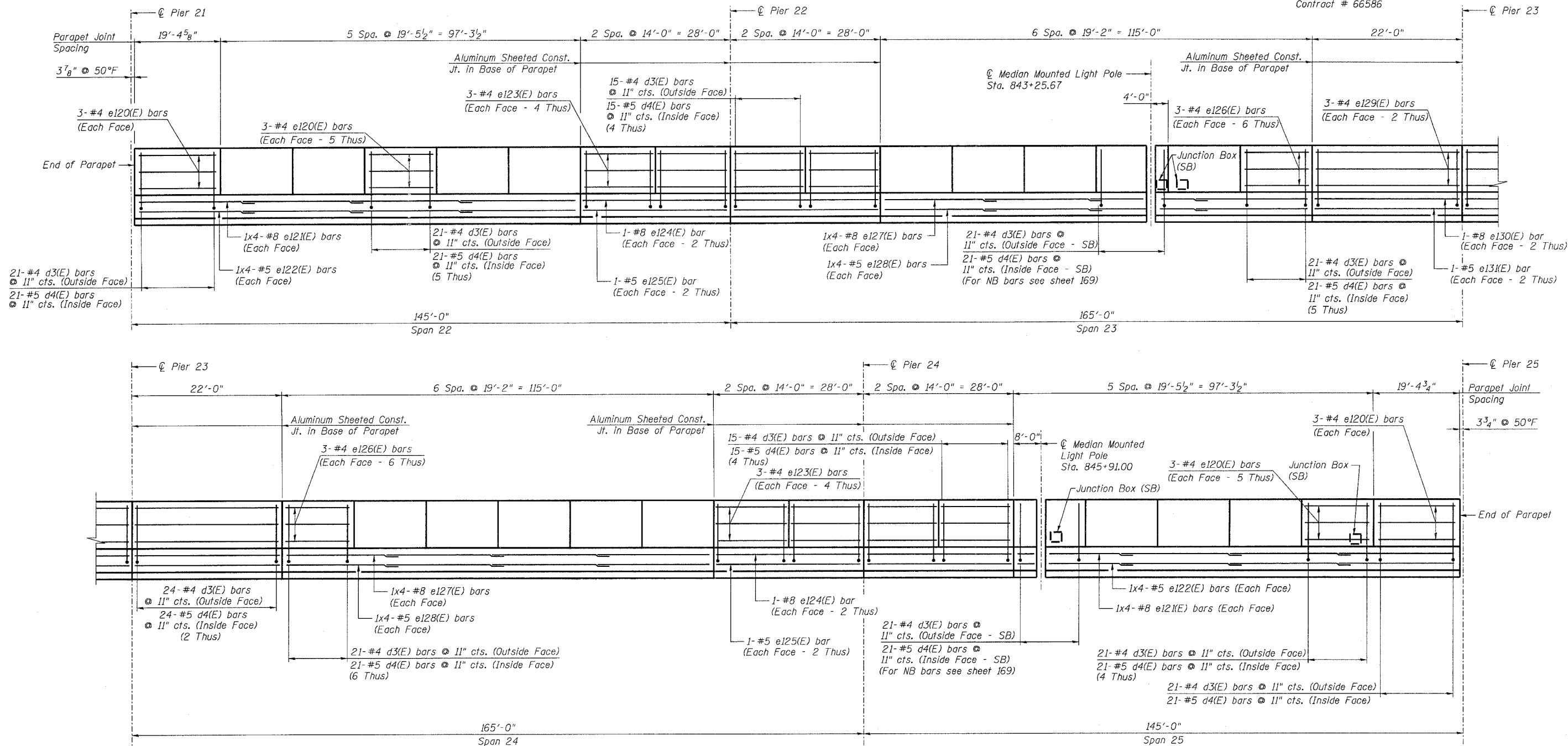
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
F.A.I. 39	50-4B	LASALLE	154	313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

Contract # 66586



INSIDE ELEVATION OF MEDIAN PARAPET - NB
REFLECTED INSIDE ELEVATION OF MEDIAN PARAPET - SB

NOTES:

1. For Median Mounted Light Pole details and additional reinforcement see sheet 169.
2. For additional notes see sheet 131.

DESIGNED -	AJK
CHECKED -	KWS
DRAWN -	AR
CHECKED -	MRB

PARAPET ELEVATION - SPANS 22 THRU 25
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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312-565-0450
Job # 3886

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	TOTAL SHEETS 155	SHEET NO. 133
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	313 SHEETS

Contract # 66586

BILL OF MATERIAL
(Southbound Deck)

Bar	No.	Size	Length	Shape
a(E)	2109	#5	42'-6"	—
a1(E)	1236	#6	4'-6"	—
a2(E)	24	#5	2'-0"	—
a3(E)	6	#6	5'-0"	—
a4(E)	8	#6	2'-6"	—
a5(E)	10	#6	8'-0"	—
b3(E)	8	#5	2'-3"	—
b120(E)	1012	#5	30'-3"	—
b121(E)	874	#5	29'-0"	—
b122(E)	258	#6	32'-9"	—
b123(E)	129	#6	28'-9"	—
d(E)	672	#4	3'-4"	┌
d1(E)	1344	#5	2'-5"	┌
d2(E)	672	#4	3'-5"	┌
d8(E)	10	#5	5'-5"	┌
d99(E)	590	#5	3'-6"	┌
x(E)	80	#5	4'-1"	┌
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	187,710		
Concrete Superstructure	Cu. Yd.	738.4		
Bridge Deck Grooving	Sq. Yd.	2,606		
Protective Coat	Sq. Yd.	2,743		

BILL OF MATERIAL
(Southbound Parapets)

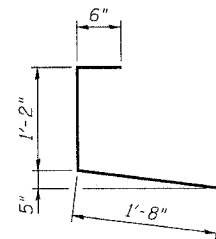
Bar	No.	Size	Length	Shape
d3(E)	1344	#4	3'-0"	┌
d4(E)	1350	#5	3'-0"	┌
d6(E)	10	#6	8'-11"	┌
e10(E)	6	#4	2'-3"	—
e11(E)	2	#8	2'-3"	—
e12(E)	2	#5	2'-3"	—
e14(E)	16	#5	6'-0"	—
e120(E)	144	#4	19'-3"	—
e121(E)	32	#8	32'-9"	—
e122(E)	32	#5	31'-0"	—
e123(E)	96	#4	13'-9"	—
e124(E)	16	#8	27'-9"	—
e125(E)	16	#5	27'-9"	—
e126(E)	144	#4	19'-0"	—
e127(E)	32	#8	32'-3"	—
e128(E)	32	#5	30'-6"	—
e129(E)	24	#4	21'-9"	—
e130(E)	8	#8	21'-9"	—
e131(E)	8	#5	21'-9"	—
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	21,990		
Concrete Superstructure	Cu. Yd.	147.7		
Protective Coat	Sq. Yd.	537		

BILL OF MATERIAL
(Northbound Deck)

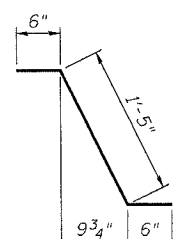
Bar	No.	Size	Length	Shape
a(E)	2109	#5	42'-6"	—
a1(E)	1236	#6	4'-6"	—
a2(E)	24	#5	2'-0"	—
a3(E)	6	#6	5'-0"	—
a4(E)	8	#6	2'-6"	—
b3(E)	8	#5	2'-3"	—
b120(E)	1012	#5	30'-3"	—
b121(E)	874	#5	29'-0"	—
b122(E)	258	#6	32'-9"	—
b123(E)	129	#6	28'-9"	—
d(E)	672	#4	3'-4"	┌
d1(E)	1342	#5	2'-5"	┌
d2(E)	670	#4	3'-5"	┌
d99(E)	590	#5	3'-6"	┌
x(E)	80	#5	4'-1"	┌
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	187,520		
Concrete Superstructure	Cu. Yd.	737.9		
Bridge Deck Grooving	Sq. Yd.	2,606		
Protective Coat	Sq. Yd.	2,743		

BILL OF MATERIAL
(Northbound Parapets)

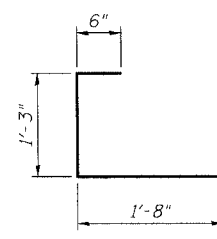
Bar	No.	Size	Length	Shape
d3(E)	1342	#4	3'-0"	┌
d4(E)	1342	#5	3'-0"	┌
e14(E)	8	#5	6'-0"	—
e120(E)	144	#4	19'-3"	—
e121(E)	32	#8	32'-9"	—
e122(E)	32	#5	31'-0"	—
e123(E)	96	#4	13'-9"	—
e124(E)	16	#8	27'-9"	—
e125(E)	16	#5	27'-9"	—
e126(E)	144	#4	19'-0"	—
e127(E)	32	#8	32'-3"	—
e128(E)	32	#5	30'-6"	—
e129(E)	24	#4	21'-9"	—
e130(E)	8	#8	21'-9"	—
e131(E)	8	#5	21'-9"	—
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	21,750		
Concrete Superstructure	Cu. Yd.	146.3		
Protective Coat	Sq. Yd.	537		



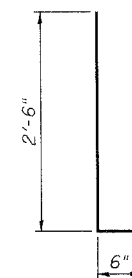
BAR d(E)



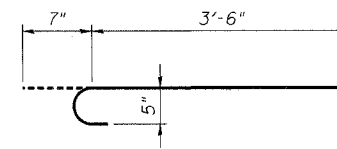
BAR d1(E)



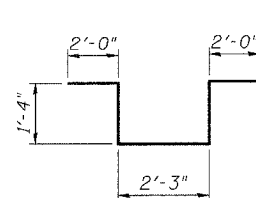
BAR d2(E)



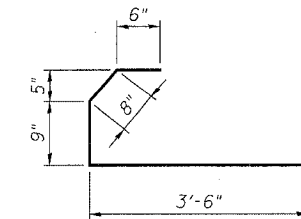
BARS d3(E) & d4(E)



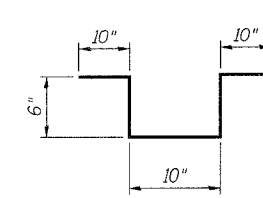
BAR x(E)



BAR d6(E)



BAR d8(E)



BAR d99(E)

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. All bar dimensions are out to out.

BILL OF MATERIAL - SPANS 22 THRU 25
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

benesch

alfred benesch & company
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Chicago, Illinois 60601
312-565-0450
Job # 3856

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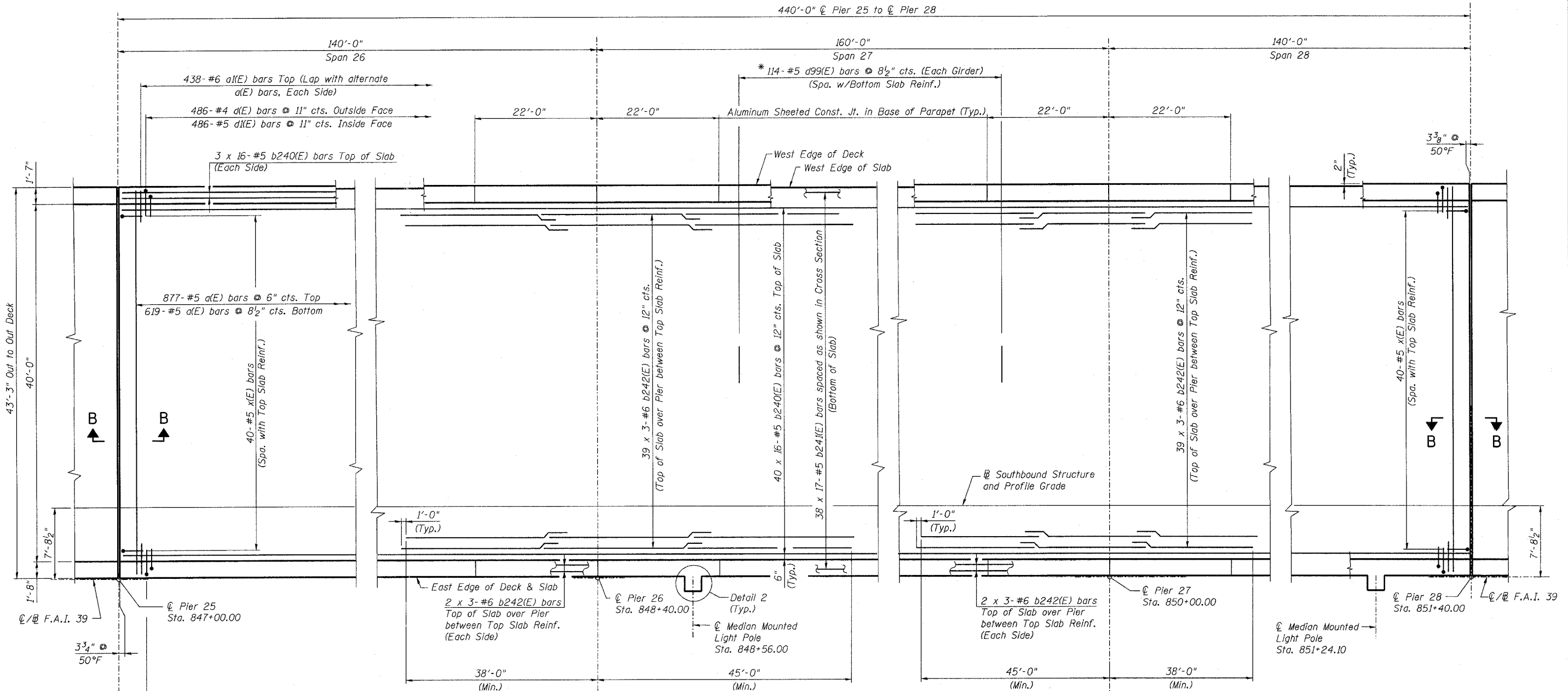
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DESIGNED -	AJK
CHECKED -	MRB
DRAWN -	VH
CHECKED -	MRB

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 134 313 SHEETS
F.A.I. 39	50-4B	LASALLE	156	156	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract # 66586



PLAN

Southbound Roadway shown.
Northbound Roadway Symm. about @ F.A.I. 39

NOTES:

- For Deck Cross Section see sheet 163.
- For Bill of Material and Reinforcement Schedule see sheet 136.
- For Deck Details and Section B-B see sheets 166 thru 169.
- Reinforcement bars designated (E) shall be epoxy coated.
- Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
- Floor Drains and Scuppers not shown. For locations, see sheets 175 and 176.
- For Scupper Details see sheets 177 and 178.
- For additional deck reinforcement at Scupper locations see sheet 166.
- For additional deck reinforcement at Detail 2 see sheet 168.

* Estimated no. of bars anticipated due to existing studs not meeting the minimum projection into proposed deck. Actual no. of bars shall be determined in the field. Cost of additional rebar required shall be paid for at the unit cost of "Reinforcement Bars, Epoxy Coated".

MINIMUM BAR LAP
(Slab)

#5 bar = 2'-2"
#6 bar = 2'-7"

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

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Engineers - Surveyors - Planners
208 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450
Job # 3856

DECK PLAN - SPANS 26 THRU 28
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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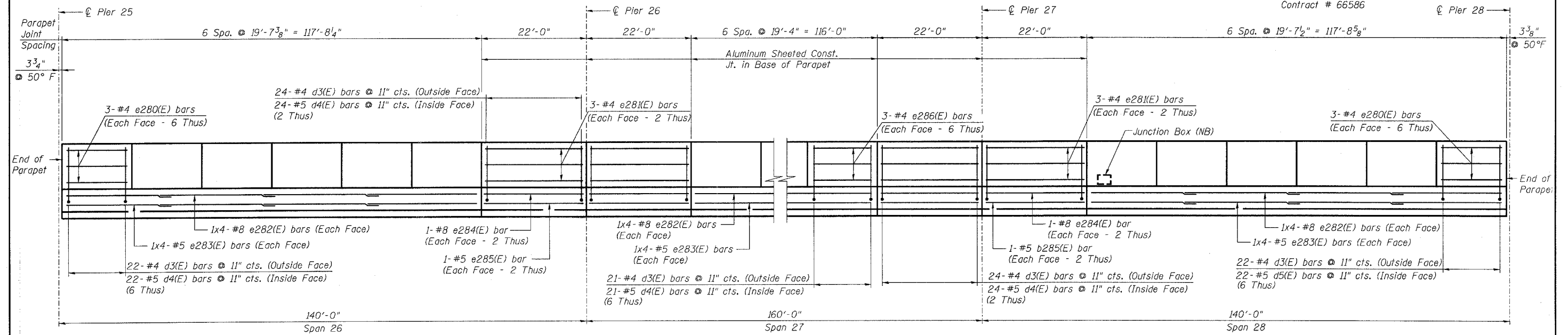
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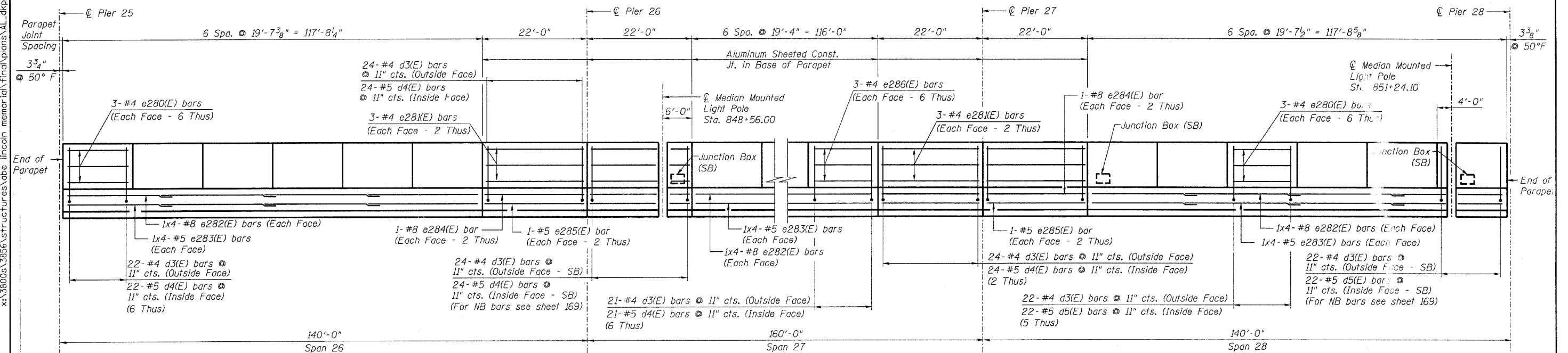
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	SHEET NO. 157	SHEET NO. 136 313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

Contract # 66586



INSIDE ELEVATION OF OUTSIDE PARAPET - SB
REFLECTED INSIDE ELEVATION OF OUTSIDE PARAPET - NB



INSIDE ELEVATION OF MEDIAN PARAPET - NB
REFLECTED INSIDE ELEVATION OF MEDIAN PARAPET - SB

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Bars indicated thus 3x4 - #4 etc. indicates 3 lines of bars with 4 lengths per line.
3. Use the following minimum lap lengths unless otherwise noted:
 - #4 - 1'-8"
 - #5 - 2'-2"
 - #8 - 4'-6"
4. For Bill of Material and Reinforcement schedule see sheet 136.
5. All edges have 3/4" chamfer.
6. For section through parapet see sheets 166 and 168.
7. For Median Mounted Light Pole details and additional reinforcement see sheet 169.
8. For Junction Box locations, see Electrical Plans.
9. For additional rebar at Junction Box, see sheet 169.

DESIGNED -	AJK
CHECKED -	KWS
DRAWN -	AR
CHECKED -	MRB

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alfred benesch & company
Engineers - Surveyors - Planners
206 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-965-0450
Job # 3856

PARAPET ELEVATION - SPANS 26 THRU 28
ABRAHAM LINCOLN BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. 136
F.A.I. 39	50-4B	LASALLE	158	158	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS		FED. AID PROJECT		

Contract # 66586

BILL OF MATERIAL
(Southbound Deck)

Bar	No.	Size	Length	Shape
a(E)	1496	#5	42'-6"	—
a1(E)	876	#6	4'-6"	—
a2(E)	16	#5	2'-0"	—
a3(E)	6	#6	5'-0"	—
a4(E)	8	#6	2'-6"	—
a5(E)	10	#6	8'-0"	—
b3(E)	8	#5	2'-3"	—
b240(E)	736	#5	29'-6"	—
b241(E)	646	#5	28'-0"	—
b242(E)	258	#6	29'-9"	—
d(E)	486	#4	3'-4"	┌
d1(E)	972	#5	2'-5"	└
d2(E)	486	#4	3'-5"	┌
d8(E)	10	#5	5'-5"	└
d99(E)	570	#5	3'-6"	└
x(E)	80	#5	4'-1"	└
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	132,650		
Concrete Superstructure	Cu. Yd.	524.2		
Bridge Deck Grooving	Sq. Yd.	1,847		
Protective Coat	Sq. Yd.	1,944		

BILL OF MATERIAL
(Southbound Parapets)

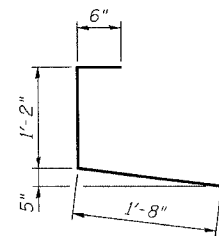
Bar	No.	Size	Length	Shape
d3(E)	972	#4	3'-0"	┌
d4(E)	978	#5	3'-0"	┌
d6(E)	10	#6	8'-11"	└
e10(E)	6	#4	2'-3"	—
e11(E)	2	#8	2'-3"	—
e12(E)	2	#5	2'-3"	—
e14(E)	12	#5	6'-0"	—
e280(E)	144	#4	19'-3"	—
e281(E)	48	#4	21'-9"	—
e282(E)	48	#8	33'-0"	—
e283(E)	48	#5	31'-0"	—
e284(E)	16	#8	21'-9"	—
e285(E)	16	#5	21'-9"	—
e286(E)	72	#4	19'-0"	—
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	15,780		
Concrete Superstructure	Cu. Yd.	105.0		
Protective Coat	Sq. Yd.	381		

BILL OF MATERIAL
(Northbound Deck)

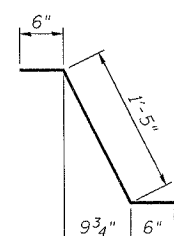
Bar	No.	Size	Length	Shape
a(E)	1496	#5	42'-6"	—
a1(E)	876	#6	4'-6"	—
a2(E)	16	#5	2'-0"	—
a3(E)	6	#6	5'-0"	—
a4(E)	8	#6	2'-6"	—
b3(E)	8	#5	2'-3"	—
b240(E)	736	#5	29'-6"	—
b241(E)	646	#5	28'-0"	—
b242(E)	258	#6	29'-9"	—
d(E)	486	#4	3'-4"	┌
d1(E)	969	#5	2'-5"	└
d2(E)	483	#4	3'-5"	┌
d99(E)	570	#5	3'-6"	└
x(E)	80	#5	4'-1"	└
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	132,460		
Concrete Superstructure	Cu. Yd.	523.7		
Bridge Deck Grooving	Sq. Yd.	1,847		
Protective Coat	Sq. Yd.	1,944		

BILL OF MATERIAL
(Northbound Parapets)

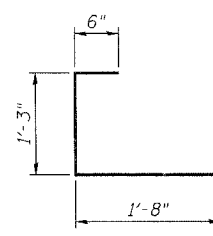
Bar	No.	Size	Length	Shape
d3(E)	969	#4	3'-0"	┌
d4(E)	969	#5	3'-0"	┌
e14(E)	4	#5	6'-0"	—
e280(E)	144	#4	19'-3"	—
e281(E)	48	#4	21'-9"	—
e282(E)	48	#8	33'-0"	—
e283(E)	48	#5	31'-0"	—
e284(E)	16	#8	21'-9"	—
e285(E)	16	#5	21'-9"	—
e286(E)	72	#4	19'-0"	—
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	15,540		
Concrete Superstructure	Cu. Yd.	103.6		
Protective Coat	Sq. Yd.	381		



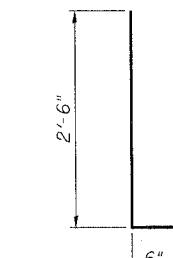
BAR d(E)



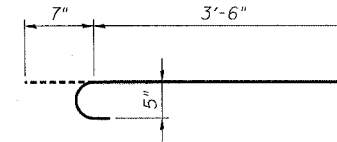
BAR d1(E)



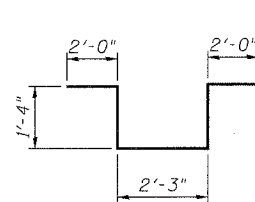
BAR d2(E)



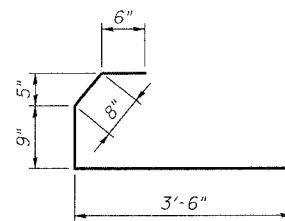
BARS d3(E) & d4(E)



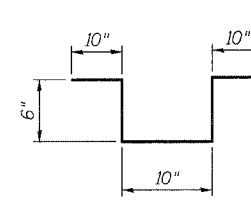
BAR x(E)



BAR d6(E)



BAR d8(E)



BAR d99(E)

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. All bar dimensions are out to out.

BILL OF MATERIAL - SPANS 26 THRU 28
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

benesch

alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450
Job # 3856

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

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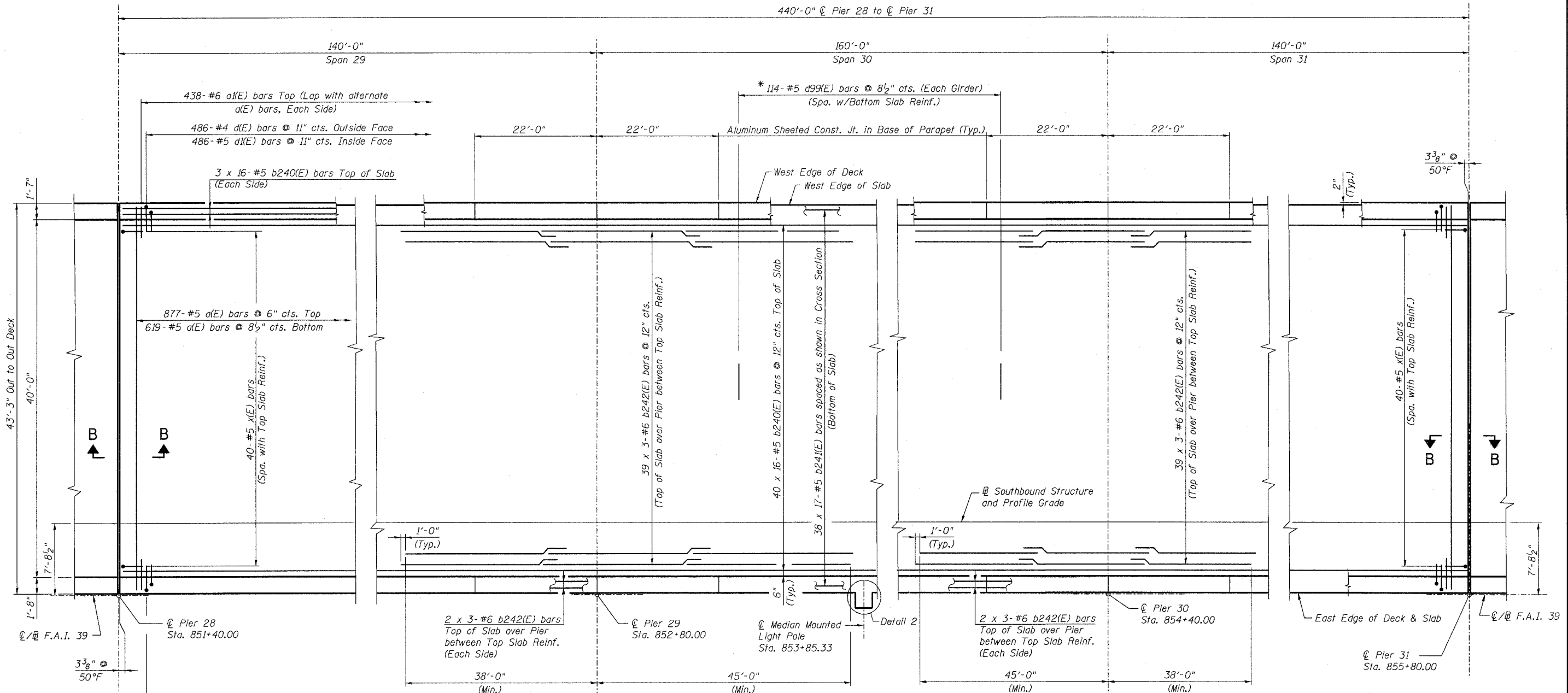
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET
F.A.I. 39	50-4B	LASALLE	159	313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT-		

Contract # 66586



PLAN

Southbound Roadway shown.
Northbound Roadway Symm. about C/C F.A.I. 39

NOTES:

1. For Deck Cross Section see sheet 163.
2. For Bill of Material and Reinforcement Schedule see sheet 139.
3. For Deck Details and Section B-B see sheets 166 thru 169.
4. Reinforcement bars designated (E) shall be epoxy coated.
5. Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
6. Floor Drains and Scuppers not shown. For locations, see sheets 175 and 176.
7. For Scupper Details see sheets 177 and 178.
8. For additional deck reinforcement at Scupper locations see sheet 166.
9. For additional deck reinforcement at Detail 2 see sheet 168.

* Estimated no. of bars anticipated due to existing studs not meeting the minimum projection into proposed deck. Actual no. of bars shall be determined in the field. Cost of additional rebar required shall be paid for at the unit cost of "Reinforcement Bars, Epoxy Coated".

DECK PLAN - SPANS 29 THRU 31
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

benesch

alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450
Job # 3856

MINIMUM BAR LAP
(Slab)

#5 bar = 2'-2"
#6 bar = 2'-7"

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

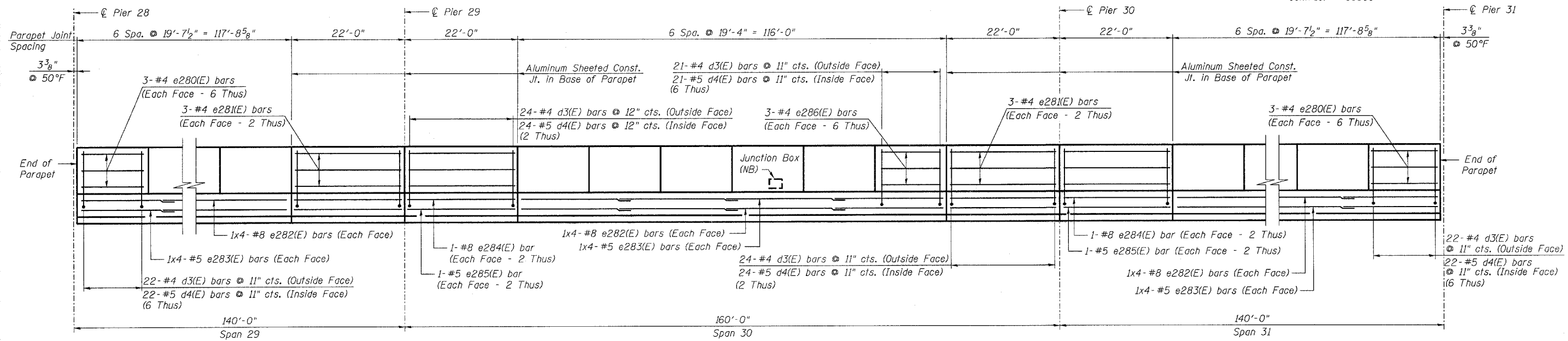
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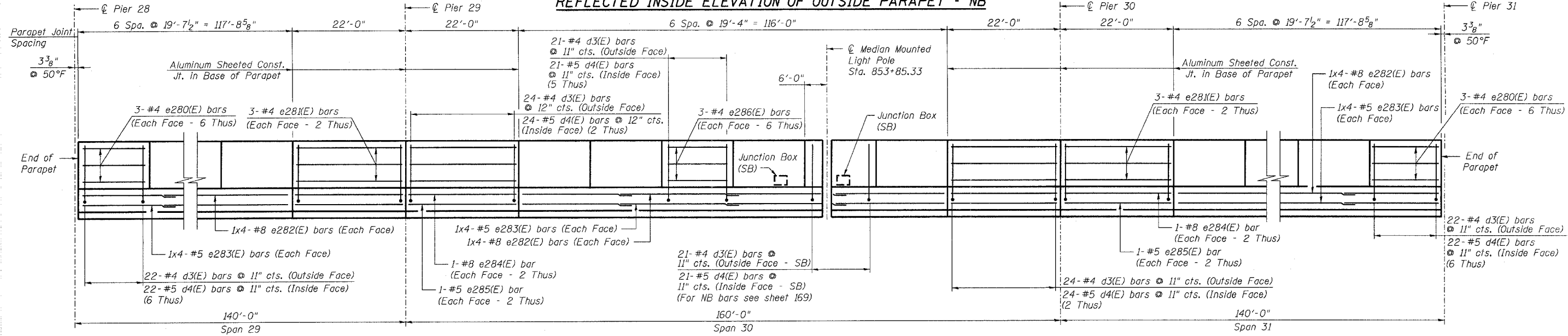
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	SHEET NO. 160	SHEET NO. 138 313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	Contract # 66586



INSIDE ELEVATION OF OUTSIDE PARAPET - SB
REFLECTED INSIDE ELEVATION OF OUTSIDE PARAPET - NB



INSIDE ELEVATION OF MEDIAN PARAPET - NB
REFLECTED INSIDE ELEVATION OF MEDIAN PARAPET - SB

- NOTES:**
1. Reinforcement bars designated (E) shall be epoxy coated.
 2. Bars indicated thus 3x4 - #4 etc. indicates 3 lines of bars with 4 lengths per line.
 3. Use the following minimum lap lengths unless otherwise noted:
 - #4 - 1'-8"
 - #5 - 2'-2"
 - #8 - 4'-6"
 4. For Bill of Material and Reinforcement schedule see sheet 139.
 5. All edges have 3/4" chamfer.
 6. For section through parapet see sheets 166 and 168.
 7. For Median Mounted Light Pole details and additional reinforcement see sheet 169.
 8. For Junction Box locations, see Electrical Plans.
 9. For additional rebar at Junction Box, see sheet 169.

DESIGNED -	AJK
CHECKED -	KWS
DRAWN -	AR
CHECKED -	MRB

PARAPET ELEVATIONS - SPANS 29 THRU 31
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

benesch
alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450
Job # 3856

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET
F.A.I. 39	50-4B	LASALLE	161	313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

Contract # 66586

BILL OF MATERIAL
(Southbound Deck)

Bar	No.	Size	Length	Shape
a(E)	1496	#5	42'-6"	—
a1(E)	876	#6	4'-6"	—
a2(E)	16	#5	2'-0"	—
a3(E)	6	#6	5'-0"	—
a4(E)	8	#6	2'-6"	—
a5(E)	5	#6	8'-0"	—
b3(E)	4	#5	2'-3"	—
b240(E)	736	#5	29'-6"	—
b241(E)	646	#5	28'-0"	—
b242(E)	258	#6	29'-9"	—
d(E)	486	#4	3'-4"	┌
d1(E)	972	#5	2'-5"	└
d2(E)	486	#4	3'-5"	┌
d8(E)	5	#5	5'-5"	└
d99(E)	570	#5	3'-6"	└
x(E)	80	#5	4'-1"	└
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	132,550		
Concrete Superstructure	Cu. Yd.	524.1		
Bridge Deck Grooving	Sq. Yd.	1,847		
Protective Coat	Sq. Yd.	1,945		

BILL OF MATERIAL
(Southbound Parapets)

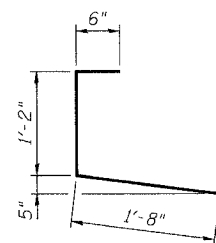
Bar	No.	Size	Length	Shape
d3(E)	972	#4	3'-0"	┌
d4(E)	975	#5	3'-0"	┌
d6(E)	5	#6	8'-11"	└
e10(E)	3	#4	2'-3"	—
e11(E)	1	#8	2'-3"	—
e12(E)	1	#5	2'-3"	—
e14(E)	8	#5	6'-0"	—
e280(E)	144	#4	19'-3"	—
e281(E)	48	#4	21'-9"	—
e282(E)	48	#8	33'-0"	—
e283(E)	48	#5	31'-0"	—
e284(E)	16	#8	21'-9"	—
e285(E)	16	#5	21'-9"	—
e286(E)	72	#4	19'-0"	—
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	15,660		
Concrete Superstructure	Cu. Yd.	104.7		
Protective Coat	Sq. Yd.	381		

BILL OF MATERIAL
(Northbound Deck)

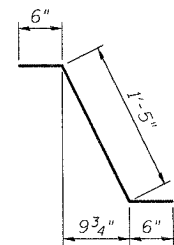
Bar	No.	Size	Length	Shape
a(E)	1496	#5	42'-6"	—
a1(E)	876	#6	4'-6"	—
a2(E)	16	#5	2'-0"	—
a3(E)	6	#6	5'-0"	—
a4(E)	8	#6	2'-6"	—
b3(E)	4	#5	2'-3"	—
b240(E)	736	#5	29'-6"	—
b241(E)	646	#5	28'-0"	—
b242(E)	258	#6	29'-9"	—
d(E)	486	#4	3'-4"	┌
d1(E)	971	#5	2'-5"	└
d2(E)	485	#4	3'-5"	┌
d99(E)	570	#5	3'-6"	└
x(E)	80	#5	4'-1"	└
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	132,460		
Concrete Superstructure	Cu. Yd.	523.8		
Bridge Deck Grooving	Sq. Yd.	1,847		
Protective Coat	Sq. Yd.	1,945		

BILL OF MATERIAL
(Northbound Parapets)

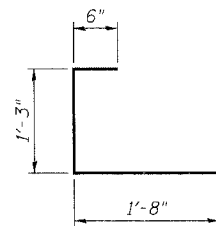
Bar	No.	Size	Length	Shape
d3(E)	971	#4	3'-0"	┌
d4(E)	971	#5	3'-0"	┌
e14(E)	4	#5	6'-0"	—
e280(E)	144	#4	19'-3"	—
e281(E)	48	#4	21'-9"	—
e282(E)	48	#8	33'-0"	—
e283(E)	48	#5	31'-0"	—
e284(E)	16	#8	21'-9"	—
e285(E)	16	#5	21'-9"	—
e286(E)	72	#4	19'-0"	—
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	15,550		
Concrete Superstructure	Cu. Yd.	104.0		
Protective Coat	Sq. Yd.	381		



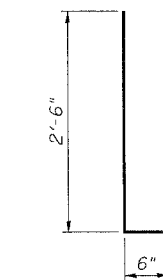
BAR d(E)



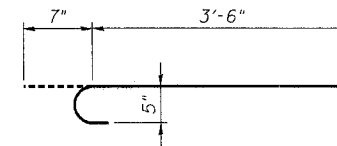
BAR d1(E)



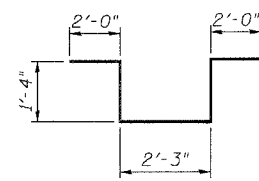
BAR d2(E)



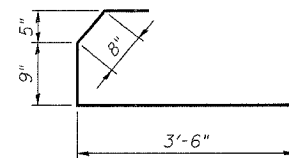
BARS d3(E) & d4(E)



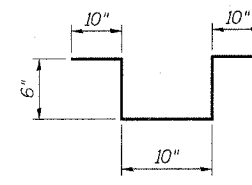
BAR x(E)



BAR d6(E)



BAR d8(E)



BAR d99(E)

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. All bar dimensions are out to out.

BILL OF MATERIAL - SPANS 29 THRU 31
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

benesch

alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-466-0490
Job # 3856

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

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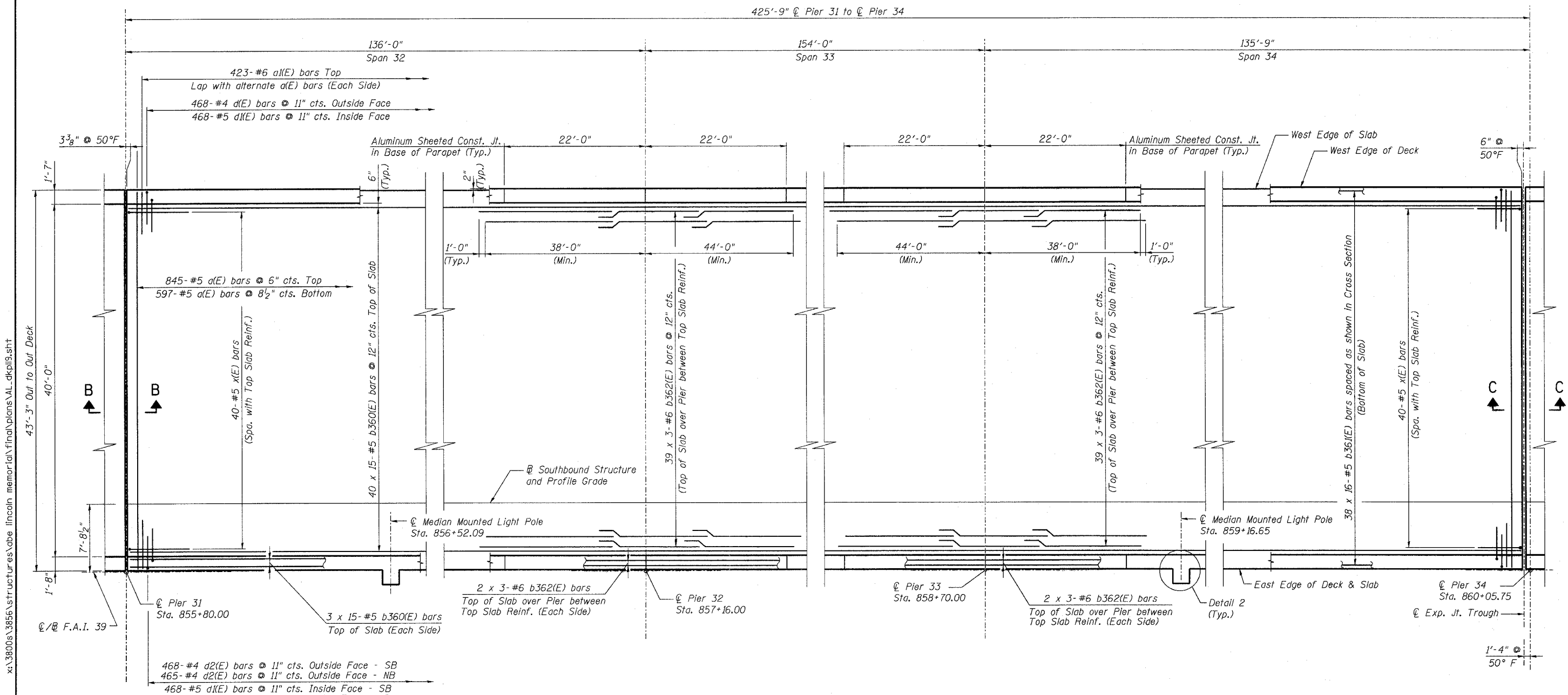
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. 140
F.A.I. 39	50-4B	LASALLE		162	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract # 66586



PLAN

Southbound Roadway shown.
Northbound Roadway Symm. about C/C F.A.I. 39

NOTES:

- For Deck Cross Section see sheet 163.
- For Bill of Material and Reinforcement Schedule see sheet 142.
- For Deck Details and Sections B-B & C-C see sheets 166 thru 169.
- Reinforcement bars designated (E) shall be epoxy coated.
- Bars indicated thus 20x3-#5 etc. Indicates 20 lines of bars with 3 lengths per line.
- Floor Drains and Scuppers not shown. For locations, see sheets 175 and 176.
- For Scupper Details see sheets 177 and 178.
- For additional deck reinforcement at Scupper locations see sheet 166.
- For additional deck reinforcement at Detail 2 see sheet 168.

MINIMUM BAR LAP
(Slab)

- #5 bar = 2'-2"
- #6 bar = 2'-7"

DESIGNED	-	HAA
CHECKED	-	MRB
DRAWN	-	VH
CHECKED	-	KWS

benesch

alfred benesch & company
Engineers - Surveyors - Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-965-0450
Job # 3856

DECK PLAN - SPANS 32 THRU 34
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

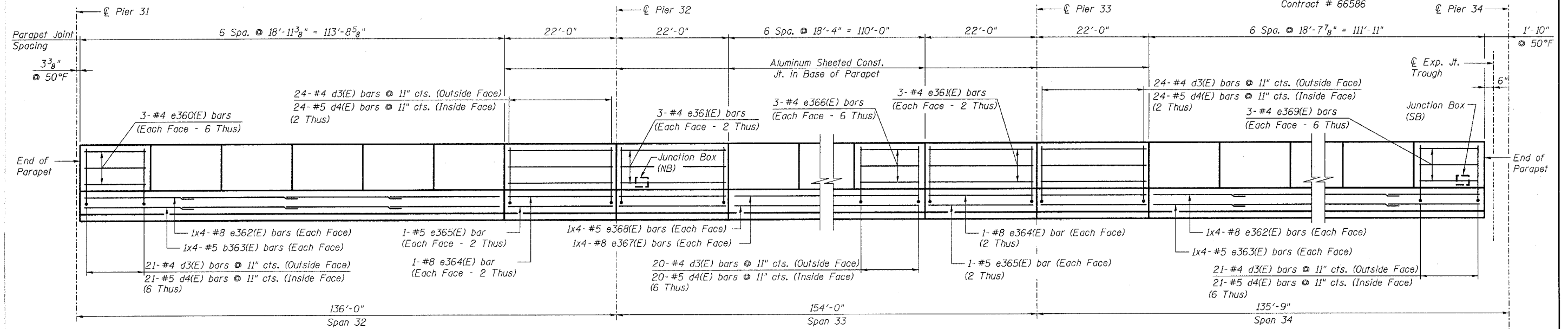
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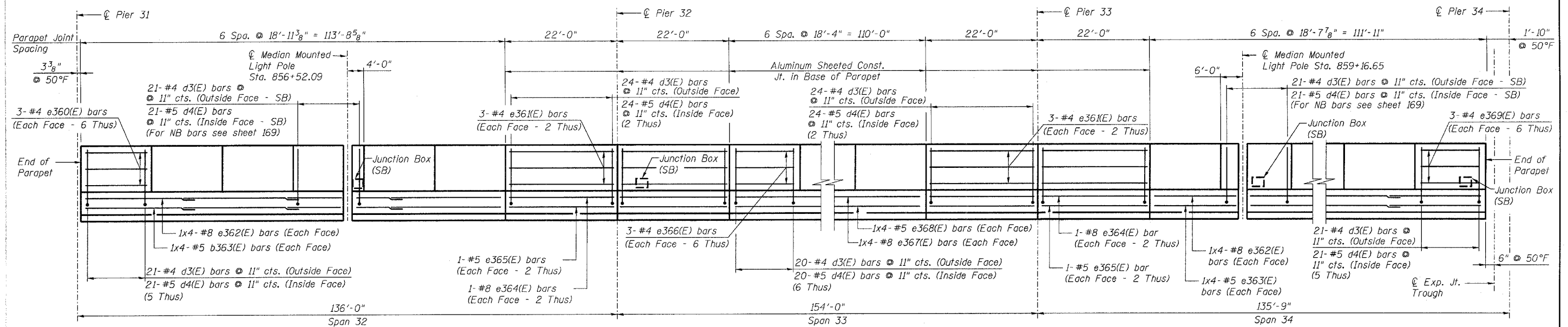
8/30/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	SHEET 163	SHEET NO. 141 313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		Contract # 66586



INSIDE ELEVATION OF OUTSIDE PARAPET - SB
REFLECTED INSIDE ELEVATION OF OUTSIDE PARAPET - NB



INSIDE ELEVATION OF MEDIAN PARAPET - NB
REFLECTED INSIDE ELEVATION OF MEDIAN PARAPET - SB

- NOTES:**
- Reinforcement bars designated (E) shall be epoxy coated.
 - Bars indicated thus 3x4 - #4 etc. indicates 3 lines of bars with 4 lengths per line.
 - Use the following minimum lap lengths unless otherwise noted:
 - #4 - 1'-8"
 - #5 - 2'-2"
 - #8 - 4'-6"
 - For Bill of Material and Reinforcement schedule see sheet 142.
 - All edges have 3/4" chamfer.
 - For section through parapet see sheets 166 and 168.
 - For Median Mounted Light Pole details and additional reinforcement see sheet 169.
 - For Junction Box locations, see Electrical Plans.
 - For additional rebar at Junction Box, see sheet 169.

PARAPET ELEVATION - SPANS 32 THRU 34
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

benesch
alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450
Job # 3866

DESIGNED -	AJK
CHECKED -	KWS
DRAWN -	AR
CHECKED -	MRB

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	TOTAL SHEETS 164	SHEET NO. 142
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

Contract # 66586

BILL OF MATERIAL
(Southbound Deck)

Bar	No.	Size	Length	Shape
a(E)	1442	#5	42'-6"	—
a1(E)	846	#6	4'-6"	—
a2(E)	16	#5	2'-0"	—
a3(E)	6	#6	5'-0"	—
a4(E)	8	#6	2'-6"	—
a5(E)	10	#6	8'-0"	—
b3(E)	8	#5	2'-3"	—
b360(E)	690	#5	30'-6"	—
b361(E)	608	#5	28'-6"	—
b362(E)	258	#6	29'-6"	—
d(E)	468	#4	3'-4"	┌
d1(E)	936	#5	2'-5"	└
d2(E)	468	#4	3'-5"	┌
d8(E)	10	#5	5'-5"	┌
x(E)	80	#5	4'-1"	┌
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	126,210		
Concrete Superstructure	Cu. Yd.	505.7		
Bridge Deck Grooving	Sq. Yd.	1,781		
Protective Coat	Sq. Yd.	1,874		

BILL OF MATERIAL
(Southbound Parapets)

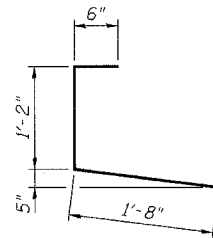
Bar	No.	Size	Length	Shape
d3(E)	936	#4	3'-0"	┌
d4(E)	942	#5	3'-0"	┌
d6(E)	10	#6	8'-11"	└
e10(E)	6	#4	2'-3"	—
e11(E)	2	#8	2'-3"	—
e12(E)	2	#5	2'-3"	—
e14(E)	20	#5	6'-0"	—
e360(E)	72	#4	18'-9"	—
e361(E)	48	#4	21'-9"	—
e362(E)	32	#8	32'-0"	—
e363(E)	32	#5	30'-3"	—
e364(E)	16	#8	21'-9"	—
e365(E)	16	#5	21'-9"	—
e366(E)	72	#4	18'-0"	—
e367(E)	16	#8	31'-0"	—
e368(E)	16	#5	29'-3"	—
e369(E)	72	#4	18'-6"	—
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	15,320		
Concrete Superstructure	Cu. Yd.	101.3		
Protective Coat	Sq. Yd.	367		

BILL OF MATERIAL
(Northbound Deck)

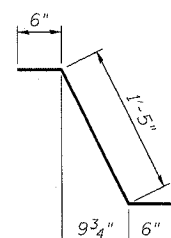
Bar	No.	Size	Length	Shape
a(E)	1442	#5	42'-6"	—
a1(E)	846	#6	4'-6"	—
a2(E)	16	#5	2'-0"	—
a3(E)	6	#6	5'-0"	—
a4(E)	8	#6	2'-6"	—
b3(E)	8	#5	2'-3"	—
b360(E)	690	#5	30'-6"	—
b361(E)	608	#5	28'-6"	—
b362(E)	258	#6	29'-6"	—
d(E)	468	#4	3'-4"	┌
d1(E)	933	#5	2'-5"	└
d2(E)	465	#4	3'-5"	┌
x(E)	80	#5	4'-1"	┌
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	126,020		
Concrete Superstructure	Cu. Yd.	505.2		
Bridge Deck Grooving	Sq. Yd.	1,781		
Protective Coat	Sq. Yd.	1,874		

BILL OF MATERIAL
(Northbound Parapets)

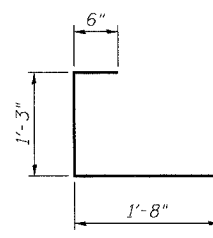
Bar	No.	Size	Length	Shape
d3(E)	933	#4	3'-0"	┌
d4(E)	933	#5	3'-0"	┌
e14(E)	4	#5	6'-0"	—
e360(E)	72	#4	18'-9"	—
e361(E)	48	#4	21'-9"	—
e362(E)	32	#8	32'-0"	—
e363(E)	32	#5	30'-3"	—
e364(E)	16	#8	21'-9"	—
e365(E)	16	#5	21'-9"	—
e366(E)	72	#4	18'-0"	—
e367(E)	16	#8	31'-0"	—
e368(E)	16	#5	29'-3"	—
e369(E)	72	#4	18'-6"	—
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	15,020		
Concrete Superstructure	Cu. Yd.	99.9		
Protective Coat	Sq. Yd.	367		



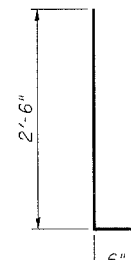
BAR d(E)



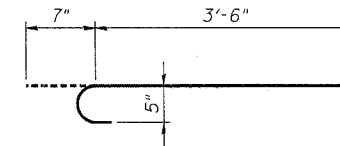
BAR d1(E)



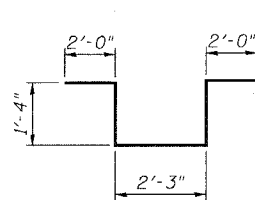
BAR d2(E)



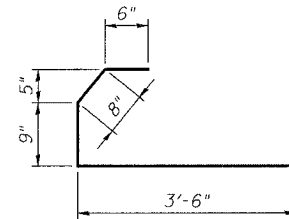
BARS d3(E) & d4(E)



BAR x(E)



BAR d6(E)



BAR d8(E)

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. All bar dimensions are out to out.

BILL OF MATERIAL - SPANS 32 THRU 34
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

benesch
alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-665-0450
Job # 3856

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

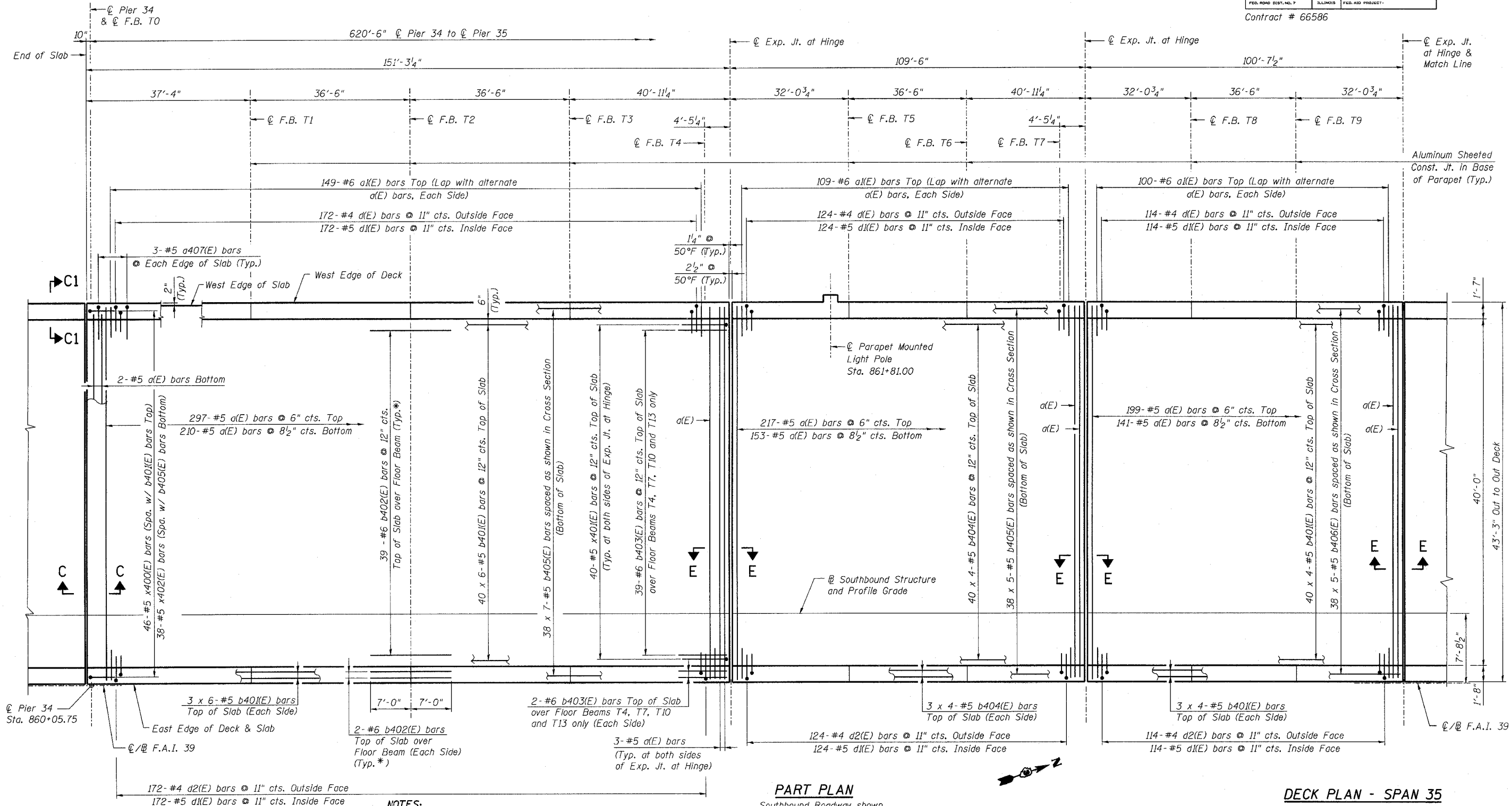
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10/16/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. 143
F.A.I. 39	50-4B	LASALLE	165	165	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	Contract # 66586		



PART PLAN

Southbound Roadway shown.
Northbound Roadway Symm. about C/F.A.I. 39

NOTES:

- For Deck Cross Section see sheet 164.
- For Bill of Material and Reinforcement Schedule see sheet 147.
- For Deck Details, Sections C-C & E-E, and View C1-C1 see sheets 166 thru 169.
- Reinforcement bars designated (E) shall be epoxy coated.
- Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
- Floor Drains and Scuppers not shown. For locations, see sheets 175 and 176.
- For Scupper Details see sheets 177 and 178.
- For additional deck reinforcement at Scupper locations see sheet 166.
- For additional deck reinforcement at Parapet Mounted Light Pole locations see sheet 169.

MINIMUM BAR LAP

(Slab)
#5 bar = 2'-2"
#6 bar = 2'-7"

* Typical over Floor Beams
T1, T2, T3, T5, T6, T8, T9,
T11, T12, T14, T15 and T16.

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	HAA

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Chicago, Illinois 60601
312-665-0460
Job # 3856

DECK PLAN - SPAN 35
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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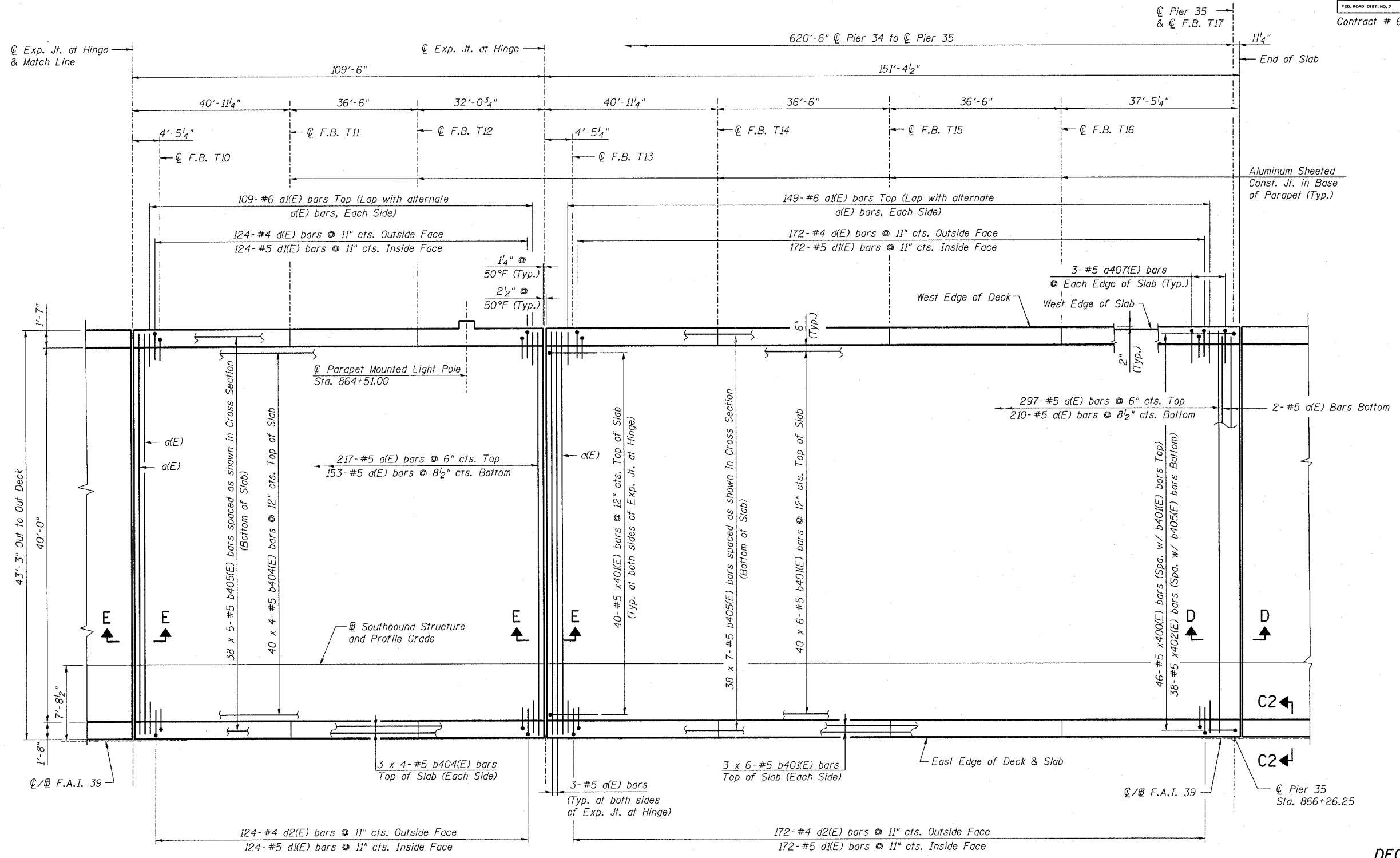
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	SHEET 144	SHEET NO. 144 313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

Contract # 66586



PART PLAN

Southbound Roadway shown.
Northbound Roadway Symm. about C/F.A.I. 39



DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	HAA

- NOTES:**
1. For Sections D-D & E-E, and View C2-C2 see sheet 167.
 2. Work this sheet with sheet 143.
 3. For additional Notes see sheet 143.

MINIMUM BAR LAP
(Slab)
#5 bar = 2'-2"
#6 bar = 2'-7"

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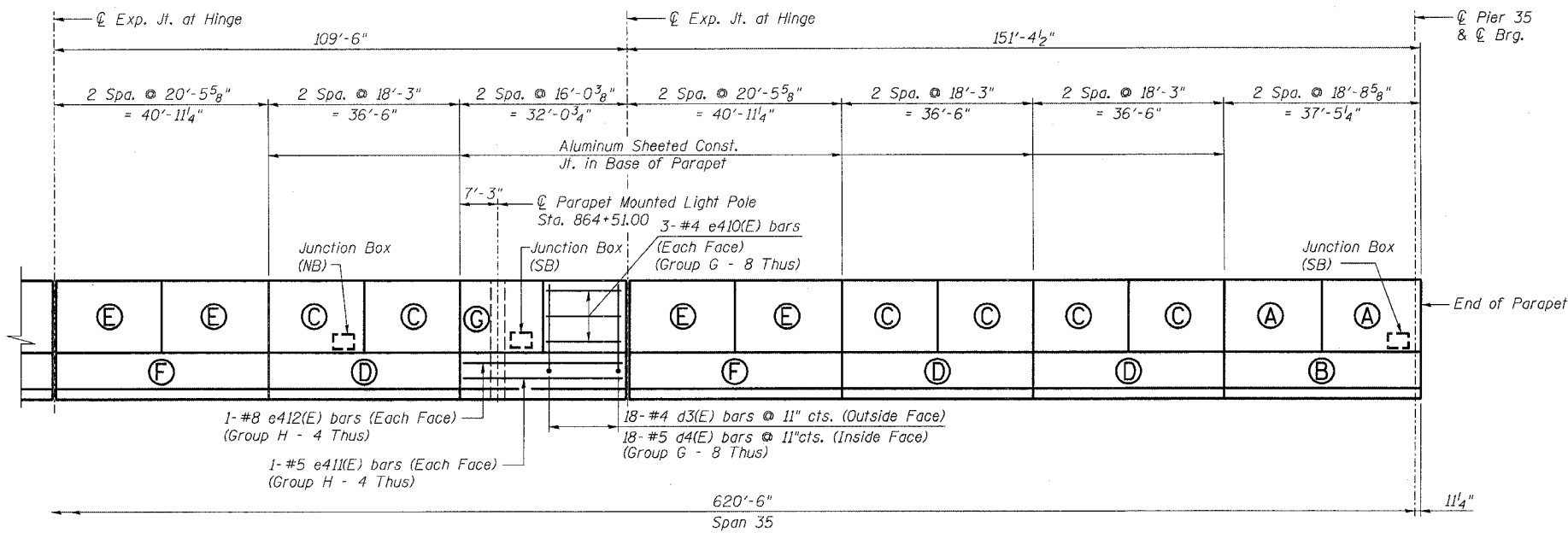
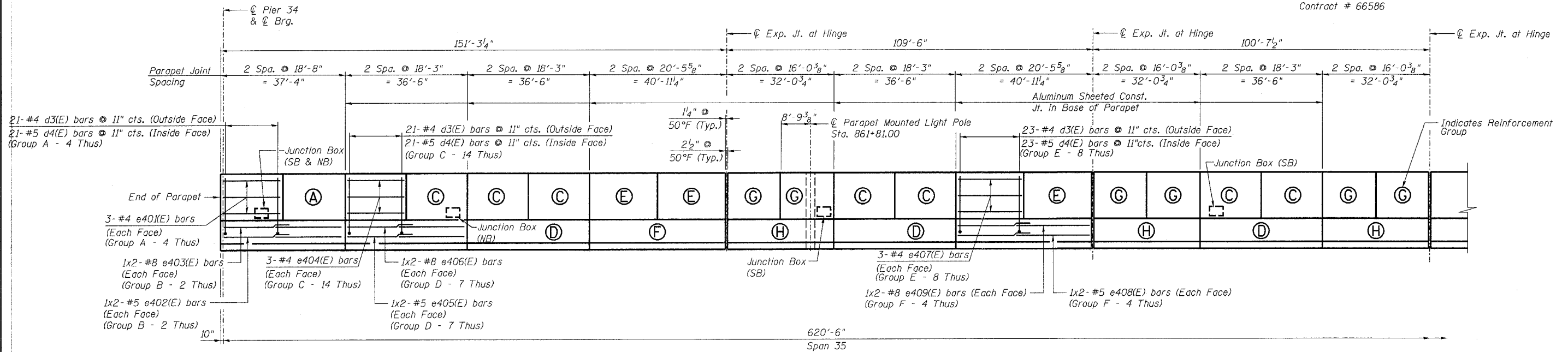
DECK PLAN - SPAN 35
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. 145
F.A.I. 39	50-4B	LASALLE		167	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract # 66586



INSIDE ELEVATION OF OUTSIDE PARAPET - SB
REFLECTED INSIDE ELEVATION OF OUTSIDE PARAPET - NB

NOTES:

- Reinforcement bars designated (E) shall be epoxy coated.
- Bars indicated thus 3x4 - #4 etc. indicates 3 lines of bars with 4 lengths per line.
- Use the following minimum lap lengths unless otherwise noted:
#4 - 1'-8"
#5 - 2'-2"
#8 - 4'-6"
- For Bill of Material and Reinforcement schedule see sheet 147.
- All edges have 3/4" chamfer.
- For section through parapet see sheets 166 and 168.
- For Parapet Mounted Light Pole details and additional reinforcement see sheet 169.
- For Junction Box locations, see Electrical Plans.
- For additional rebar at Junction Box, see sheet 169.

DESIGNED -	HAA
CHECKED -	AJK
DRAWN -	AR
CHECKED -	MRB

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Job # 3856

PARAPET ELEVATION - SPAN 35
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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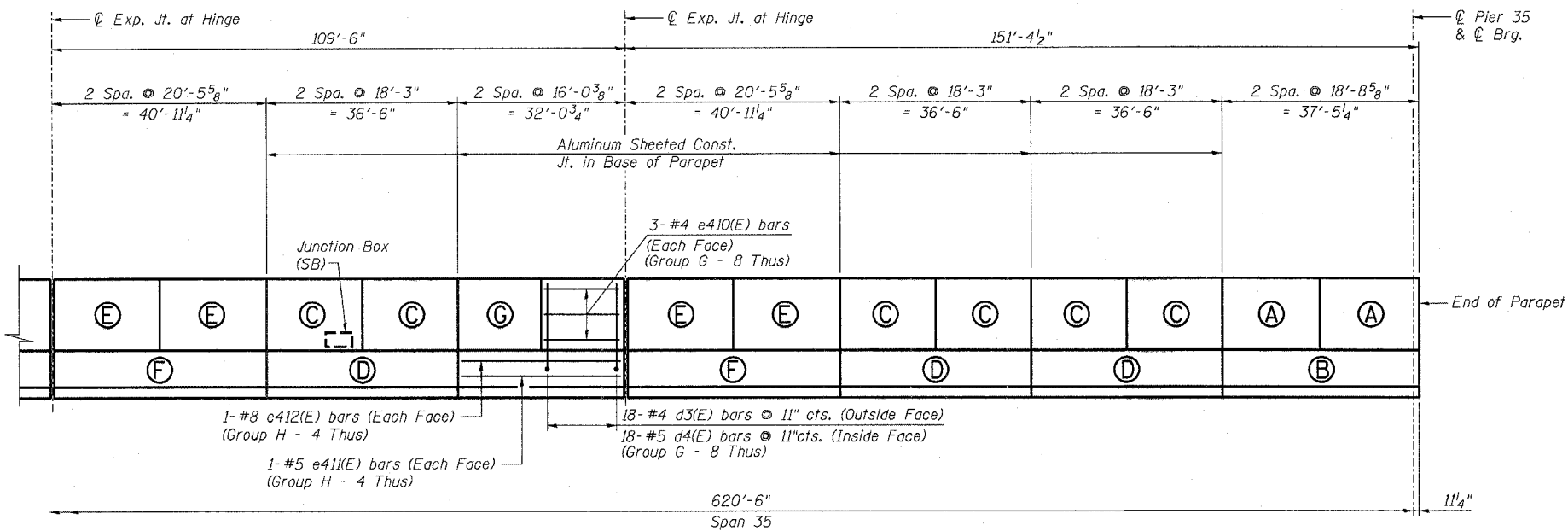
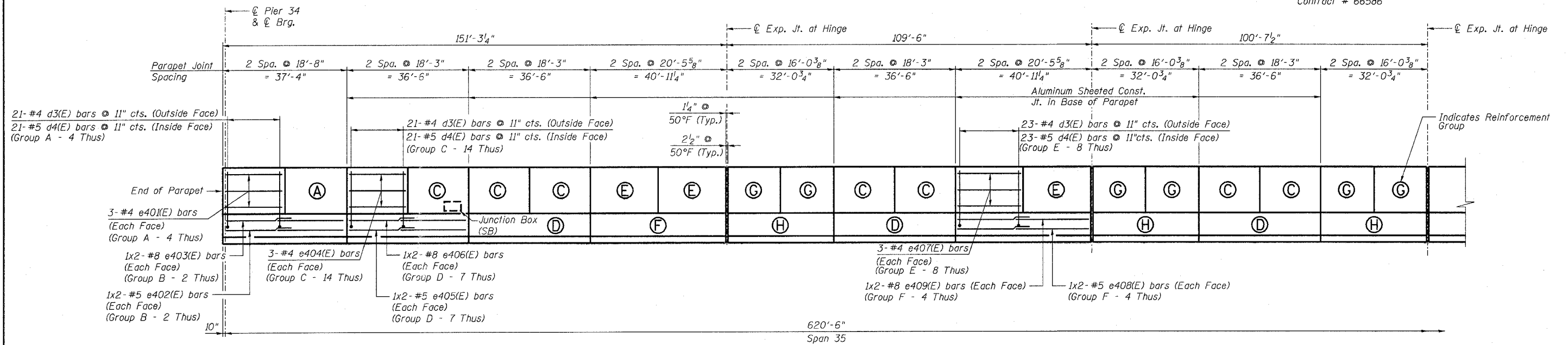
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	SHEET NO. 168	SHEET NO. 146 313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

Contract # 66586



INSIDE ELEVATION OF MEDIAN PARAPET - SB
REFLECTED INSIDE ELEVATION OF MEDIAN PARAPET - NB

NOTES:
1. For Notes see sheet 145.

DESIGNED -	HAA
CHECKED -	AJK
DRAWN -	AR
CHECKED -	MRB

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312-565-0450
Job # 3856

PARAPET ELEVATION - SPAN 35
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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8/30/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. 147 313 SHEETS
F.A.I. 39	50-4B	LASALLE		169	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract # 66586

BILL OF MATERIAL

(Southbound Deck)

Bar	No.	Size	Length	Shape
d(E)	2122	#5	42'-6"	—
a(E)	1232	#6	4'-6"	—
a3(E)	18	#6	5'-0"	—
a4(E)	24	#6	2'-6"	—
a407(E)	12	#5	3'-9"	┌
b401(E)	736	#5	26'-9"	—
b402(E)	516	#6	14'-0"	—
b403(E)	172	#6	8'-0"	—
b404(E)	368	#5	29'-0"	—
b405(E)	912	#5	23'-9"	—
b406(E)	190	#5	21'-9"	—
d(E)	706	#4	3'-4"	┌
d1(E)	1412	#5	2'-5"	┌
d2(E)	706	#4	3'-5"	┌
x400(E)	92	#5	4'-4"	┌
x401(E)	320	#5	4'-1"	┌
x402(E)	76	#5	4'-0"	┌
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	182,990		
Concrete Superstructure	Cu. Yd.	751.5		
Bridge Deck Grooving	Sq. Yd.	2,617		
Protective Coat	Sq. Yd.	2,755		

BILL OF MATERIAL

(Southbound Parapets)

Bar	No.	Size	Length	Shape
d3(E)	1412	#4	3'-0"	┌
d4(E)	1412	#5	3'-0"	┌
d5(E)	6	#6	4'-5"	┌
d6(E)	10	#6	8'-11"	┌
e14(E)	28	#5	6'-0"	—
e401(E)	48	#4	18'-6"	—
e402(E)	16	#5	19'-9"	—
e403(E)	16	#8	20'-9"	—
e404(E)	168	#4	18'-0"	—
e405(E)	56	#5	19'-3"	—
e406(E)	56	#8	20'-6"	—
e407(E)	96	#4	20'-3"	—
e408(E)	32	#5	21'-6"	—
e409(E)	32	#8	22'-9"	—
e410(E)	96	#4	15'-9"	—
e411(E)	16	#5	31'-9"	—
e412(E)	16	#8	31'-9"	—
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	22,480		
Concrete Superstructure	Cu. Yd.	148.2		
Protective Coat	Sq. Yd.	539		

BILL OF MATERIAL

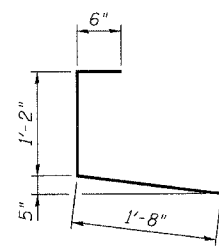
(Northbound Deck)

Bar	No.	Size	Length	Shape
a(E)	2122	#5	42'-6"	—
a(E)	1232	#6	4'-6"	—
a3(E)	18	#6	5'-0"	—
a4(E)	24	#6	2'-6"	—
a407(E)	12	#5	3'-9"	┌
b401(E)	736	#5	26'-9"	—
b402(E)	516	#6	14'-0"	—
b403(E)	172	#6	8'-0"	—
b404(E)	368	#5	29'-0"	—
b405(E)	912	#5	23'-9"	—
b406(E)	190	#5	21'-9"	—
d(E)	706	#4	3'-4"	┌
d1(E)	1412	#5	2'-5"	┌
d2(E)	706	#4	3'-5"	┌
x400(E)	92	#5	4'-4"	┌
x401(E)	320	#5	4'-1"	┌
x402(E)	76	#5	4'-0"	┌
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	182,990		
Concrete Superstructure	Cu. Yd.	751.5		
Bridge Deck Grooving	Sq. Yd.	2,617		
Protective Coat	Sq. Yd.	2,755		

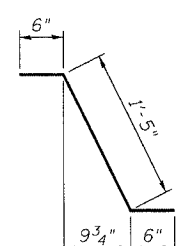
BILL OF MATERIAL

(Northbound Parapets)

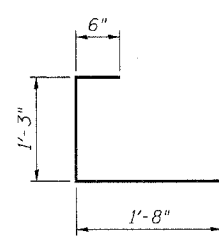
Bar	No.	Size	Length	Shape
d3(E)	1412	#4	3'-0"	┌
d4(E)	1412	#5	3'-0"	┌
d5(E)	6	#6	4'-5"	┌
d6(E)	10	#6	8'-11"	┌
e14(E)	28	#5	6'-0"	—
e401(E)	48	#4	18'-6"	—
e402(E)	16	#5	19'-9"	—
e403(E)	16	#8	20'-9"	—
e404(E)	168	#4	18'-0"	—
e405(E)	56	#5	19'-3"	—
e406(E)	56	#8	20'-6"	—
e407(E)	96	#4	20'-3"	—
e408(E)	32	#5	21'-6"	—
e409(E)	32	#8	22'-9"	—
e410(E)	96	#4	15'-9"	—
e411(E)	16	#5	31'-9"	—
e412(E)	16	#8	31'-9"	—
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	22,380		
Concrete Superstructure	Cu. Yd.	148.2		
Protective Coat	Sq. Yd.	539		



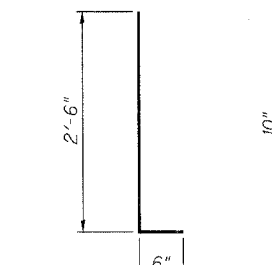
BAR d(E)



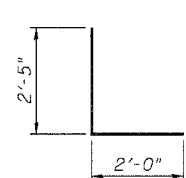
BAR d1(E)



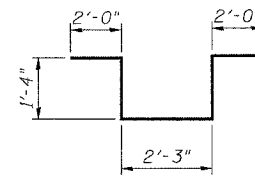
BAR d2(E)



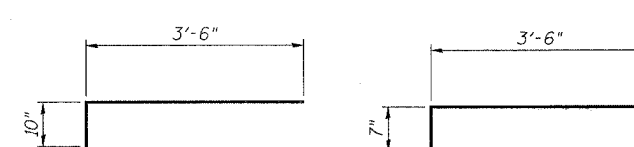
BARS d3(E) & d4(E)



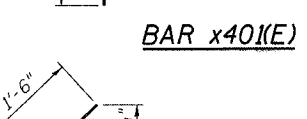
BAR d5(E)



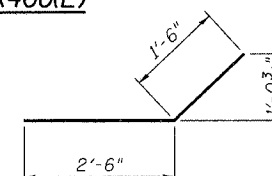
BAR d6(E)



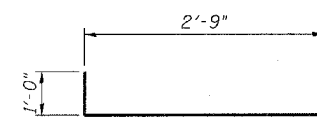
BAR x400(E)



BAR x401(E)



BAR x402(E)



BAR a407(E)

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. All bar dimensions are out to out.

BILL OF MATERIAL - SPAN 35
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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Chicago, Illinois 60601
312-665-0450
Job # 3856

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

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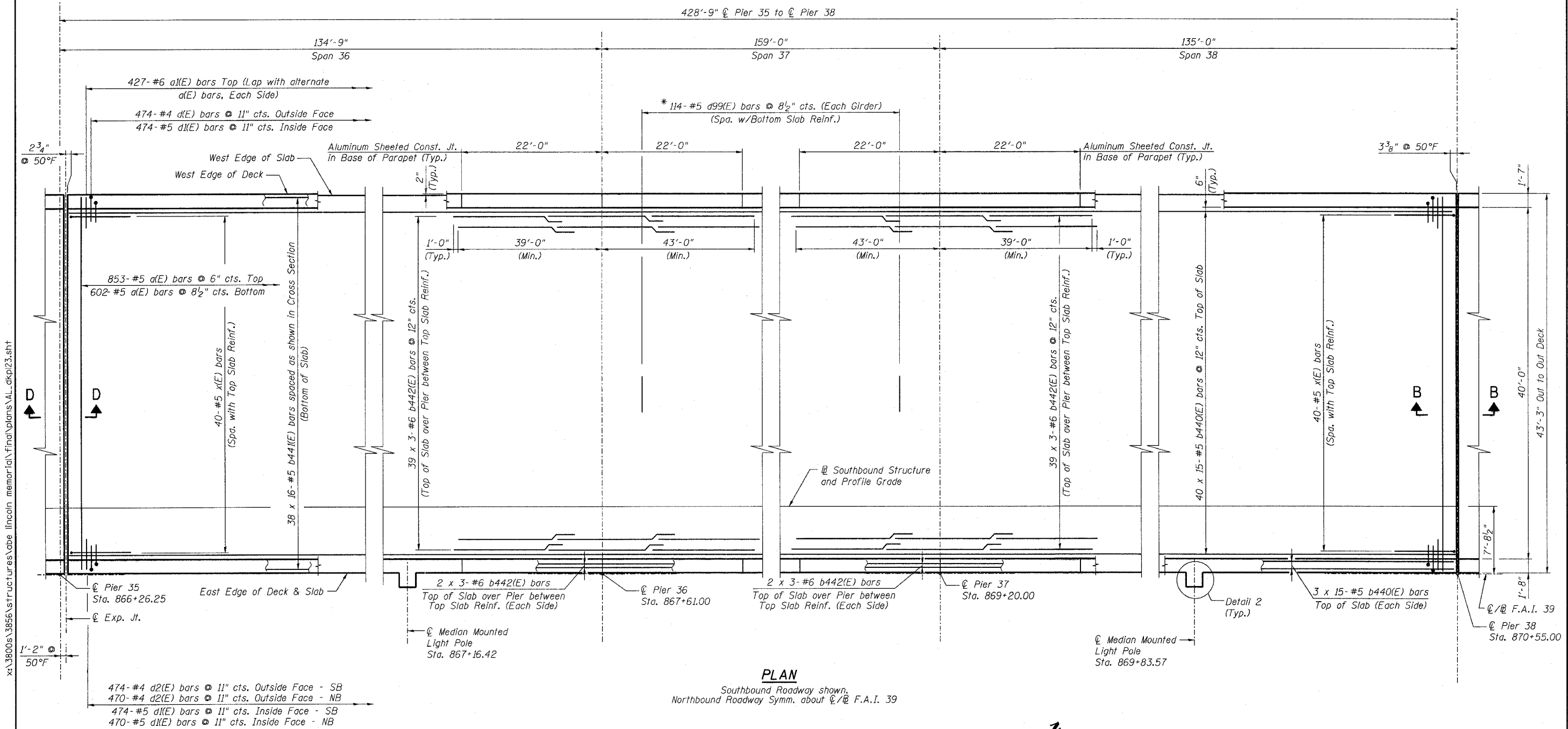
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET
F.A.I. 39	50-4B	LASALLE	170	148
ILLINOIS FED. AID PROJECT				

SHEET NO. 148
313 SHEETS

Contract # 66586



PLAN
Southbound Roadway shown.
Northbound Roadway Symm. about \bar{C}/\bar{C} F.A.I. 39

NOTES:

1. For Deck Cross Section see sheet 165.
2. For Bill of Material and Reinforcement Schedule see sheet 150.
3. For Deck Details and Sections B-B & D-D see sheets 166 thru 169.
4. Reinforcement bars designated (E) shall be epoxy coated.
5. Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
6. Floor Drains and Scuppers not shown. For locations, see sheets 175 and 176.
7. For Scupper Details see sheets 177 and 178.
8. For additional deck reinforcement at Scupper locations see sheet 166.
9. For additional deck reinforcement at Detail 2 see sheet 168.

* Estimated no. of bars anticipated due to existing studs not meeting the minimum projection into proposed deck. Actual no. of bars shall be determined in the field. Cost of additional rebar required shall be paid for at the unit cost of "Reinforcement Bars, Epoxy Coated".

MINIMUM BAR LAP

(Slab)
#5 bar = 2'-2"
#6 bar = 2'-7"

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

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Chicago, Illinois 60601
312-565-0460
Job # 3856

DECK PLAN - SPANS 36 THRU 38
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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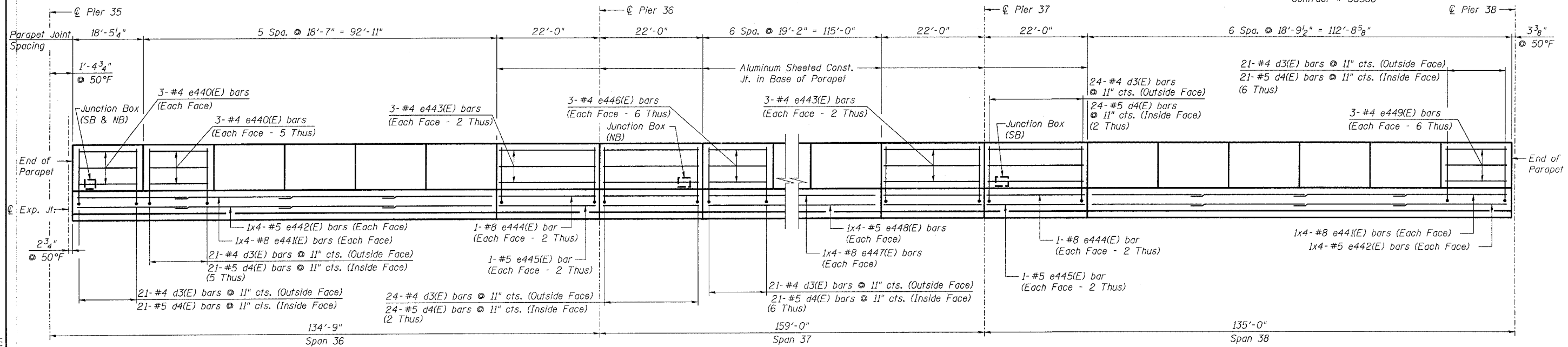
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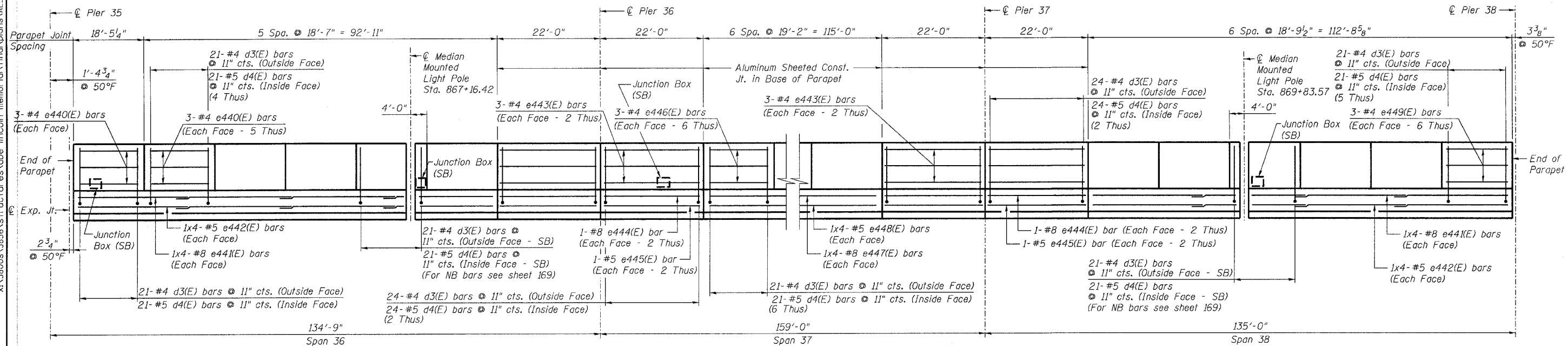
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET
F.A.I. 39	50-4B	LASALLE	171	313 SHEETS
FED. ROAD DIST. NO. 7	ILL. DIST. NO.	FED. AID PROJECT		

Contract # 66586



INSIDE ELEVATION OF OUTSIDE PARAPET - SB
REFLECTED INSIDE ELEVATION OF OUTSIDE PARAPET - NB



INSIDE ELEVATION OF MEDIAN PARAPET - NB
REFLECTED INSIDE ELEVATION OF MEDIAN PARAPET - SB

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Bars indicated thus 3x4 - #4 etc. indicates 3 lines of bars with 4 lengths per line.
3. Use the following minimum lap lengths unless otherwise noted:
#4 - 1'-8"
#5 - 2'-2"
#8 - 4'-6"
4. For Bill of Material and Reinforcement schedule see sheet 150.
5. All edges have 3/4" chamfer.
6. For section through parapet see sheets 166 and 168.
7. For Median Mounted Light Pole details and additional reinforcement see sheet 169.
8. For Junction Box locations, see Electrical Plans.
9. For additional rebar at Junction Box, see sheet 169.

PARAPET ELEVATIONS - SPANS 36 THRU 38

ABRAHAM LINCOLN MEMORIAL BRIDGE OVER

THE ILLINOIS RIVER (PUBLIC WATERS)

F.A.I. ROUTE 39 SEC. (50-4B) BR

LASALLE COUNTY

STATION 863+16.00

STRUCTURE NO. 050-0191 (SB & NB)

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Job # 3856

DESIGNED -	AJK
CHECKED -	KWS
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CHECKED -	MRB

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10/16/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	TOTAL SHEETS 172	SHEET NO. 150
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

Contract # 66586

BILL OF MATERIAL
(Southbound Deck)

Bar	No.	Size	Length	Shape
a(E)	1455	#5	42'-6"	—
a1(E)	854	#6	4'-6"	—
a2(E)	16	#5	2'-0"	—
a3(E)	6	#6	5'-0"	—
a4(E)	8	#6	2'-6"	—
a5(E)	10	#6	8'-0"	—
b3(E)	8	#5	2'-3"	—
b440(E)	690	#5	30'-6"	—
b441(E)	608	#5	28'-9"	—
b442(E)	258	#6	29'-6"	—
d(E)	474	#4	3'-4"	┌
d1(E)	948	#5	2'-5"	└
d2(E)	474	#4	3'-5"	┌
d8(E)	10	#5	5'-5"	┌
d99(E)	570	#5	3'-6"	└
x(E)	80	#5	4'-1"	└
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	129,140		
Concrete Superstructure	Cu. Yd.	509.7		
Bridge Deck Grooving	Sq. Yd.	1,797		
Protective Coat	Sq. Yd.	1,891		

BILL OF MATERIAL
(Southbound Parapets)

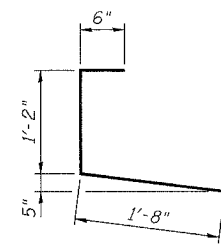
Bar	No.	Size	Length	Shape
d3(E)	948	#4	3'-0"	┌
d4(E)	954	#5	3'-0"	┌
d6(E)	10	#6	8'-11"	└
e10(E)	6	#4	2'-3"	—
e11(E)	2	#8	2'-3"	—
e12(E)	2	#5	2'-3"	—
e14(E)	24	#5	6'-0"	—
e440(E)	72	#4	18'-3"	—
e441(E)	32	#8	31'-9"	—
e442(E)	32	#5	30'-0"	—
e443(E)	48	#4	21'-9"	—
e444(E)	16	#8	21'-9"	—
e445(E)	16	#5	21'-9"	—
e446(E)	72	#4	19'-0"	—
e447(E)	16	#8	32'-3"	—
e448(E)	16	#5	30'-6"	—
e449(E)	72	#4	18'-6"	—
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	15,470		
Concrete Superstructure	Cu. Yd.	102.1		
Protective Coat	Sq. Yd.	370		

BILL OF MATERIAL
(Northbound Deck)

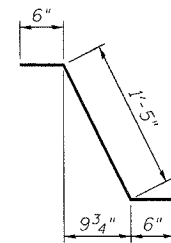
Bar	No.	Size	Length	Shape
a(E)	1455	#5	42'-6"	—
a1(E)	854	#6	4'-6"	—
a2(E)	16	#5	2'-0"	—
a3(E)	6	#6	5'-0"	—
a4(E)	8	#6	2'-6"	—
b3(E)	8	#5	2'-3"	—
b440(E)	690	#5	30'-6"	—
b441(E)	608	#5	28'-9"	—
b442(E)	258	#6	29'-6"	—
d(E)	474	#4	3'-4"	┌
d1(E)	944	#5	2'-5"	└
d2(E)	470	#4	3'-5"	┌
d99(E)	570	#5	3'-6"	└
x(E)	80	#5	4'-1"	└
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	128,940		
Concrete Superstructure	Cu. Yd.	509.2		
Bridge Deck Grooving	Sq. Yd.	1,797		
Protective Coat	Sq. Yd.	1,891		

BILL OF MATERIAL
(Northbound Parapets)

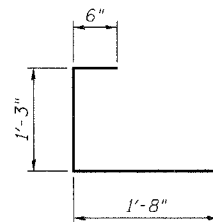
Bar	No.	Size	Length	Shape
d3(E)	944	#4	3'-0"	┌
d4(E)	944	#5	3'-0"	┌
e14(E)	8	#5	6'-0"	—
e440(E)	72	#4	18'-3"	—
e441(E)	32	#8	31'-9"	—
e442(E)	32	#5	30'-0"	—
e443(E)	48	#4	21'-9"	—
e444(E)	16	#8	21'-9"	—
e445(E)	16	#5	21'-9"	—
e446(E)	72	#4	19'-0"	—
e447(E)	16	#8	32'-3"	—
e448(E)	16	#5	30'-6"	—
e449(E)	72	#4	18'-6"	—
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	15,170		
Concrete Superstructure	Cu. Yd.	100.7		
Protective Coat	Sq. Yd.	370		



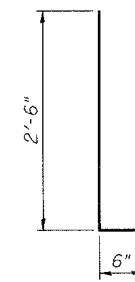
BAR d(E)



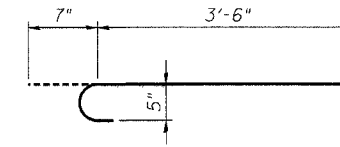
BAR d1(E)



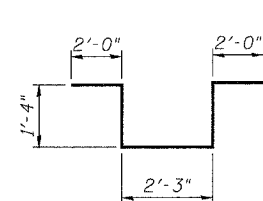
BAR d2(E)



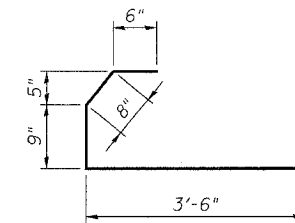
BARS d3(E) & d4(E)



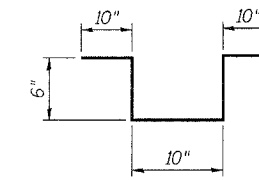
BAR x(E)



BAR d6(E)



BAR d8(E)



BAR d99(E)

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. All bar dimensions are out to out.

**BILL OF MATERIAL - SPANS 36 THRU 38
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)**

benesch

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Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-365-0450
Job # 3856

DESIGNED -	AJK
CHECKED -	KWS
DRAWN -	VH
CHECKED -	MRB

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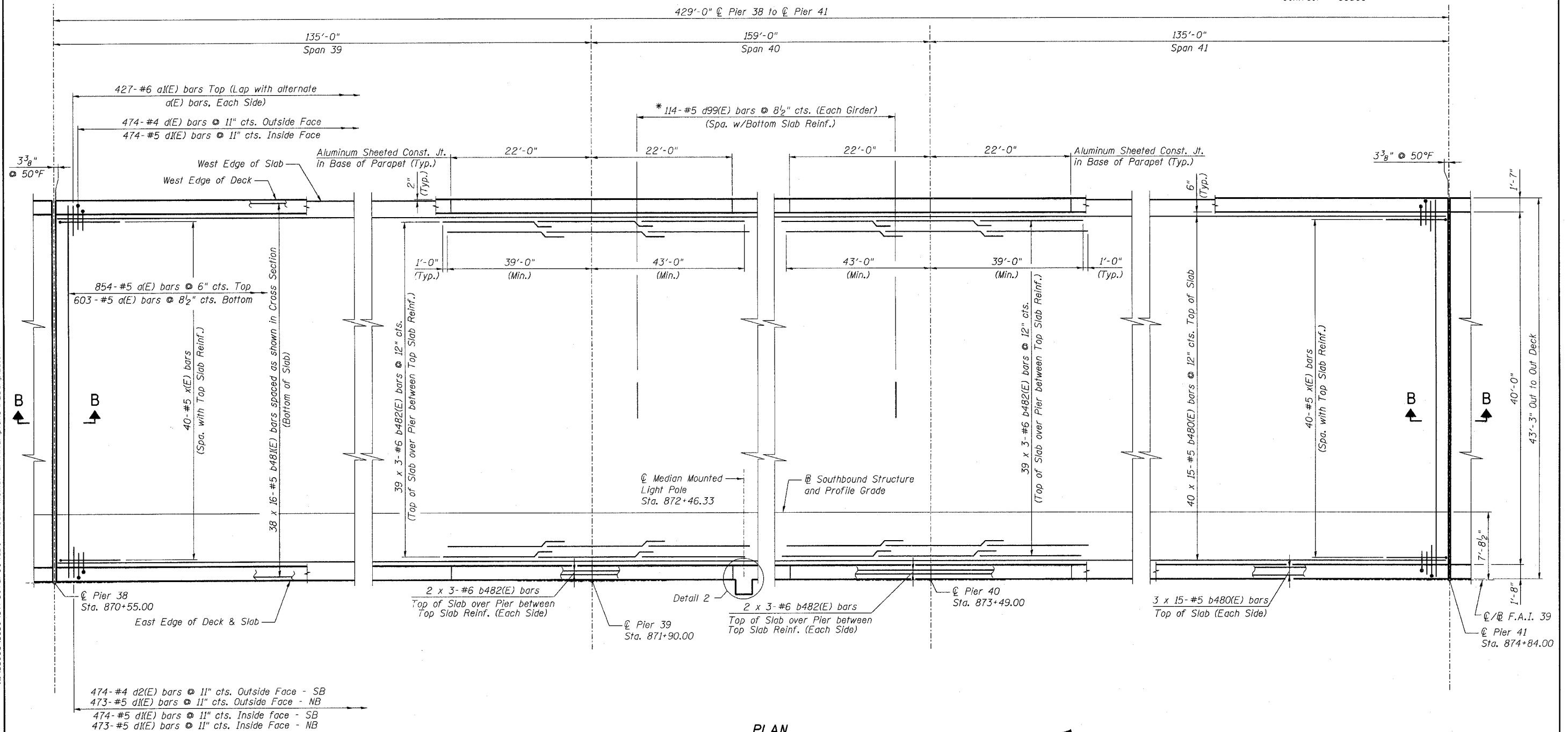
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	SHEET NO. 173	SHEET NO. 151 313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

Contract # 66586



PLAN
Southbound Roadway shown,
Northbound Roadway Symm. about @ F.A.I. 39

NOTES:

1. For Deck Cross Section see sheet 165.
2. For Bill of Material and Reinforcement Schedule see sheet 153.
3. For Deck Details and Section B-B see sheets 166 thru 169.
4. Reinforcement bars designated (E) shall be epoxy coated.
5. Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
6. Floor Drains and Scuppers not shown. For locations, see sheets 175 and 176.
7. For Scupper Details see sheets 177 and 178.
8. For additional deck reinforcement at Scupper locations see sheet 166.
9. For additional deck reinforcement at Detail 2 see sheet 168.

* Estimated no. of bars anticipated due to existing studs not meeting the minimum projection into proposed deck. Actual no. of bars shall be determined in the field. Cost of additional rebar required shall be paid for at the unit cost of "Reinforcement Bars, Epoxy Coated".

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

MINIMUM BAR LAP
(Slab)
#5 bar = 2'-2"
#6 bar = 2'-7"

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312-685-0450
Job # 3856

DECK PLAN - SPANS 39 THRU 41
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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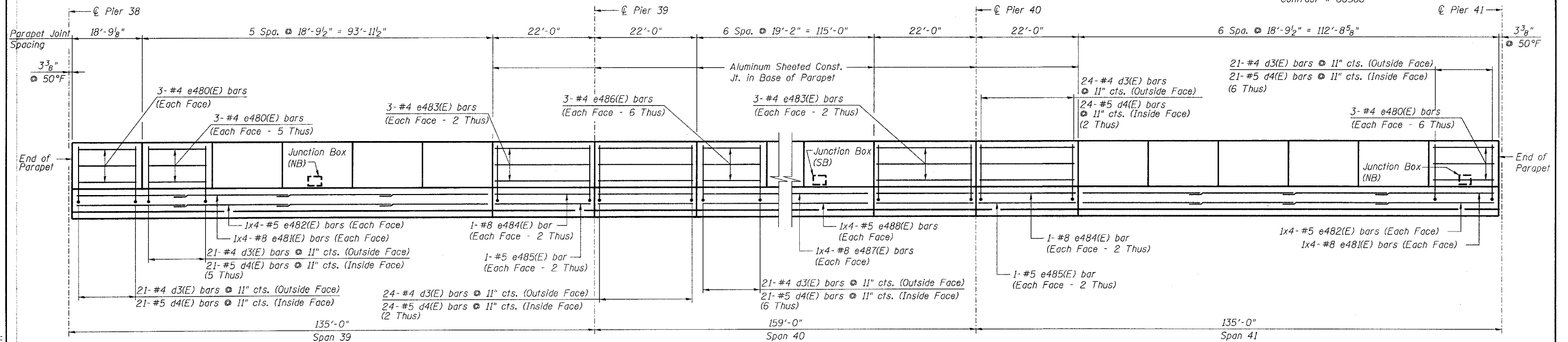
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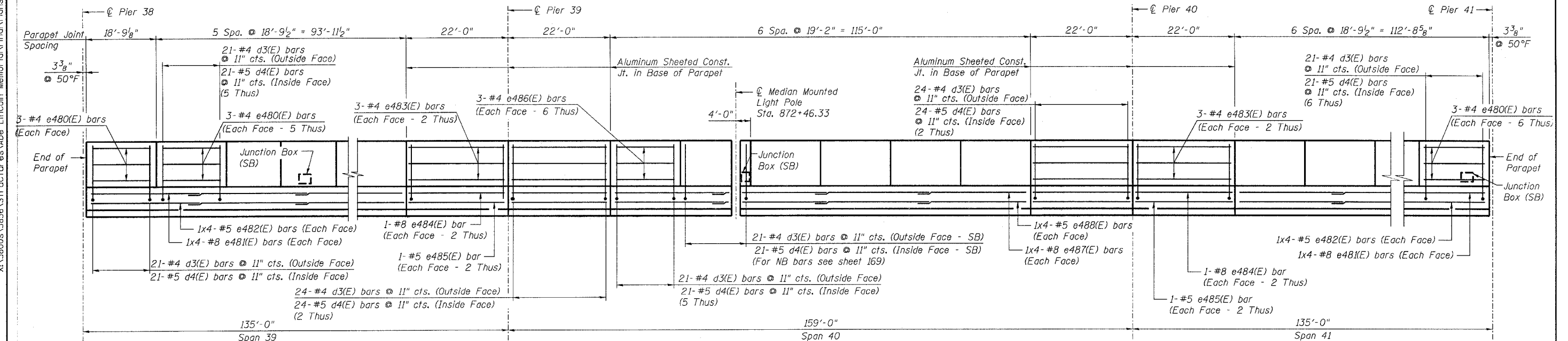
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	TOTAL SHEETS 174	SHEET NO. 174	SHEET NO. 152 313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT-	

Contract # 66586



INSIDE ELEVATION OF OUTSIDE PARAPET - SB
REFLECTED INSIDE ELEVATION OF OUTSIDE PARAPET - NB



INSIDE ELEVATION OF MEDIAN PARAPET - NB
REFLECTED INSIDE ELEVATION OF MEDIAN PARAPET - SB

NOTES:

- Reinforcement bars designated (E) shall be epoxy coated.
- Bars indicated thus 3x4 - #4 etc. indicates 3 lines of bars with 4 lengths per line.
- Use the following minimum lap lengths unless otherwise noted:
 - #4 - 1'-8"
 - #5 - 2'-2"
 - #8 - 4'-6"
- For Bill of Material and Reinforcement schedule see sheet 153.
- All edges have 3/4" chamfer.
- For section through parapet see sheets 166 and 168.
- For Median Mounted Light Pole details and additional reinforcement see sheet 169.
- For Junction Box locations, see Electrical Plans.
- For additional rebar at Junction Box, see sheet 169.

PARAPET ELEVATIONS - SPANS 39 THRU 41
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450
Job # 3856

DESIGNED	AJK
CHECKED	KWS
DRAWN	AR
CHECKED	MRB

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	SHEET NO. 175	SHEET NO. 153 313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT-		

Contract # 66586

BILL OF MATERIAL
(Southbound Deck)

Bar	No.	Size	Length	Shape
a(E)	1457	#5	42'-6"	—
a1(E)	854	#6	4'-6"	—
a2(E)	16	#5	2'-0"	—
a3(E)	6	#6	5'-0"	—
a4(E)	8	#6	2'-6"	—
a5(E)	5	#6	8'-0"	—
b3(E)	4	#5	2'-3"	—
b480(E)	690	#5	30'-6"	—
b481(E)	608	#5	28'-9"	—
b482(E)	258	#6	29'-6"	—
d(E)	474	#4	3'-4"	┌
d1(E)	948	#5	2'-5"	└
d2(E)	474	#4	3'-5"	┌
d8(E)	5	#5	5'-5"	┌
d99(E)	570	#5	3'-6"	└
x(E)	80	#5	4'-1"	└
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	129,130		
Concrete Superstructure	Cu. Yd.	511.0		
Bridge Deck Grooving	Sq. Yd.	1,801		
Protective Coat	Sq. Yd.	1,896		

BILL OF MATERIAL
(Southbound Parapets)

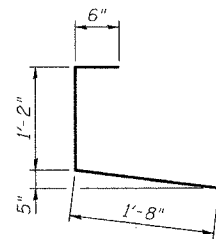
Bar	No.	Size	Length	Shape
d3(E)	948	#4	3'-0"	┌
d4(E)	951	#5	3'-0"	┌
d6(E)	5	#6	8'-11"	└
e10(E)	3	#4	2'-3"	—
e11(E)	1	#8	2'-3"	—
e12(E)	1	#5	2'-3"	—
e14(E)	16	#5	6'-0"	—
e480(E)	144	#4	18'-6"	—
e481(E)	32	#8	31'-9"	—
e482(E)	32	#5	30'-0"	—
e483(E)	48	#4	21'-9"	—
e484(E)	16	#8	21'-9"	—
e485(E)	16	#5	21'-9"	—
e486(E)	72	#4	19'-0"	—
e487(E)	16	#8	32'-3"	—
e488(E)	16	#5	30'-6"	—
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	15,340		
Concrete Superstructure	Cu. Yd.	102.1		
Protective Coat	Sq. Yd.	371		

BILL OF MATERIAL
(Northbound Deck)

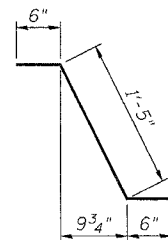
Bar	No.	Size	Length	Shape
a(E)	1457	#5	42'-6"	—
a1(E)	854	#6	4'-6"	—
a2(E)	16	#5	2'-0"	—
a3(E)	6	#6	5'-0"	—
a4(E)	8	#6	2'-6"	—
b3(E)	4	#5	2'-3"	—
b480(E)	690	#5	30'-6"	—
b481(E)	608	#5	28'-9"	—
b482(E)	258	#6	29'-6"	—
d(E)	474	#4	3'-4"	┌
d1(E)	947	#5	2'-5"	└
d2(E)	473	#4	3'-5"	┌
d99(E)	570	#5	3'-6"	└
x(E)	80	#5	4'-1"	└
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	129,040		
Concrete Superstructure	Cu. Yd.	510.7		
Bridge Deck Grooving	Sq. Yd.	1,801		
Protective Coat	Sq. Yd.	1,896		

BILL OF MATERIAL
(Northbound Parapets)

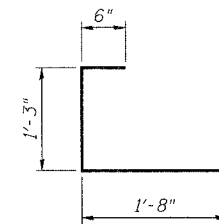
Bar	No.	Size	Length	Shape
d3(E)	947	#4	3'-0"	┌
d4(E)	947	#5	3'-0"	┌
e14(E)	8	#5	6'-0"	—
e480(E)	144	#4	18'-6"	—
e481(E)	32	#8	31'-9"	—
e482(E)	32	#5	30'-0"	—
e483(E)	48	#4	21'-9"	—
e484(E)	16	#8	21'-9"	—
e485(E)	16	#5	21'-9"	—
e486(E)	72	#4	19'-0"	—
e487(E)	16	#8	32'-3"	—
e488(E)	16	#5	30'-6"	—
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	15,200		
Concrete Superstructure	Cu. Yd.	101.4		
Protective Coat	Sq. Yd.	371		



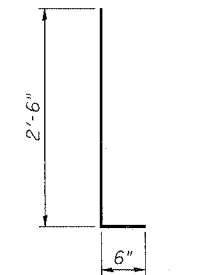
BAR d(E)



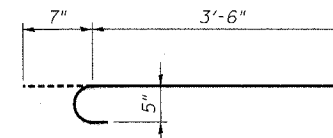
BAR d1(E)



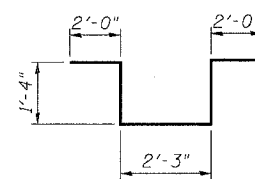
BAR d2(E)



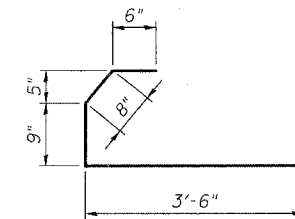
BARS d3(E) & d4(E)



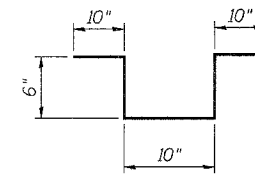
BAR x(E)



BAR d6(E)



BAR d8(E)



BAR d99(E)

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. All bar dimensions are out to out.

**BILL OF MATERIAL - SPANS 39 THRU 41
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)**

benesch

alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450
Job # 3856

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

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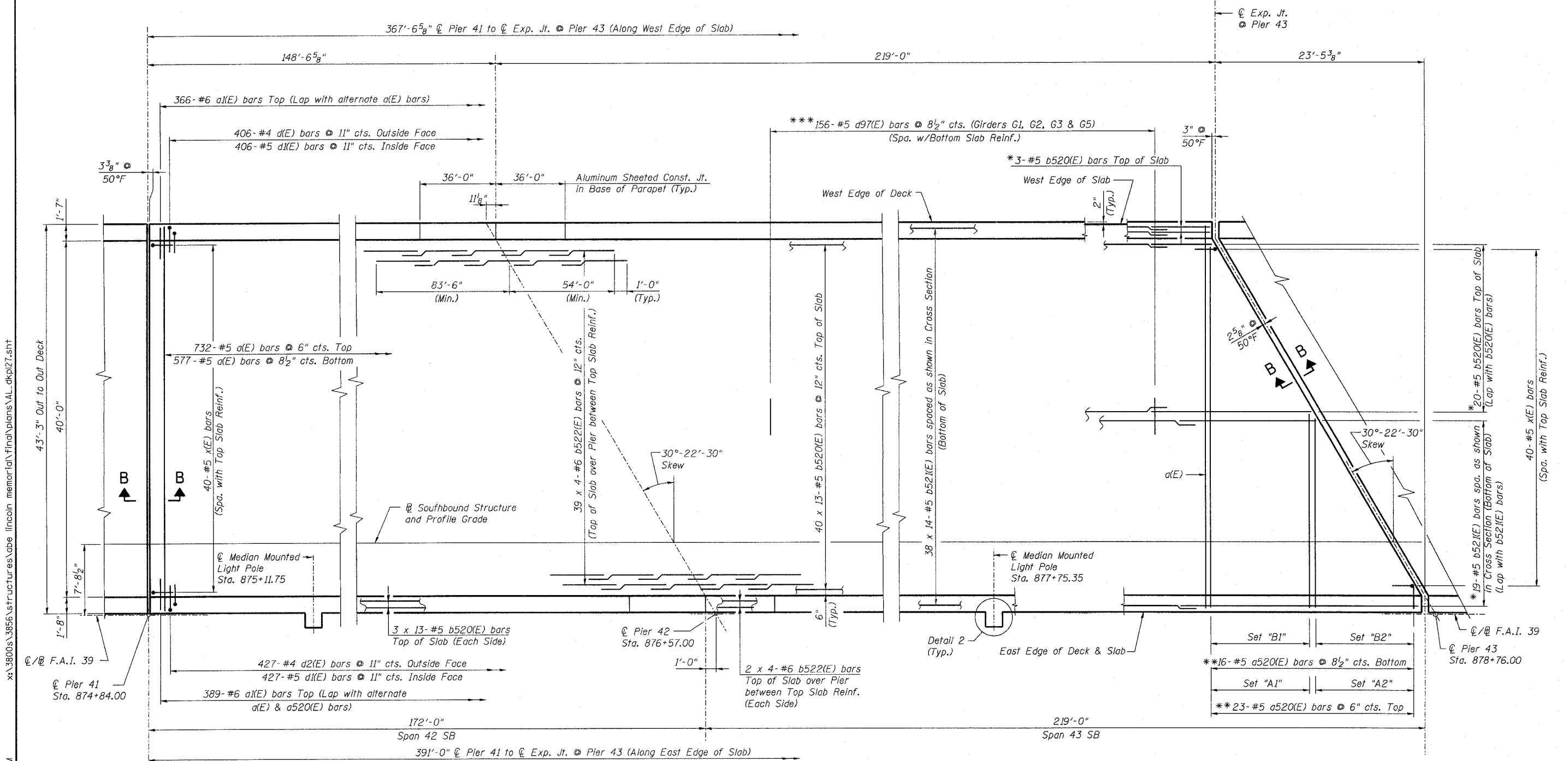
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TECH. SHEETS	SHEET	SHEET NO. 154
F.A.I. 39	50-4B	LASALLE		176	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract # 66586



NOTES:

1. For Deck Cross Section see sheet 165.
2. For Bill of Material and Reinforcement Schedule see sheet 158.
3. For Deck Details and Section B-B see sheets 166 thru 169.
4. Reinforcement bars designated (E) shall be epoxy coated.
5. Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
6. Floor Drains and Scuppers not shown. For locations, see sheets 175 and 176.
7. For Scupper Details see sheets 177 and 178.
8. For additional deck reinforcement at Scupper locations see sheet 166.
9. For additional deck reinforcement at Detail 2 see sheet 168.

PLAN

MINIMUM BAR LAP
(Slab)

- #5 bar = 2'-2"
- #6 bar = 2'-7"

*** Estimated no. of bars anticipated due to existing studs not meeting the minimum projection into proposed deck. Actual no. of bars shall be determined in the field. Cost of additional rebars required shall be paid for at the unit cost of "Reinforcement Bars, Epoxy Coated".

*Order bars full length. Cut to fit skew & use remainder of bars on opposite side.

**Order bars full length. Cut to fit skew for Set "A1" or Set "B1" and use remainder of bars for Set "A2" or Set "B2".

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

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Engineers - Surveyors - Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450
Job # 3858

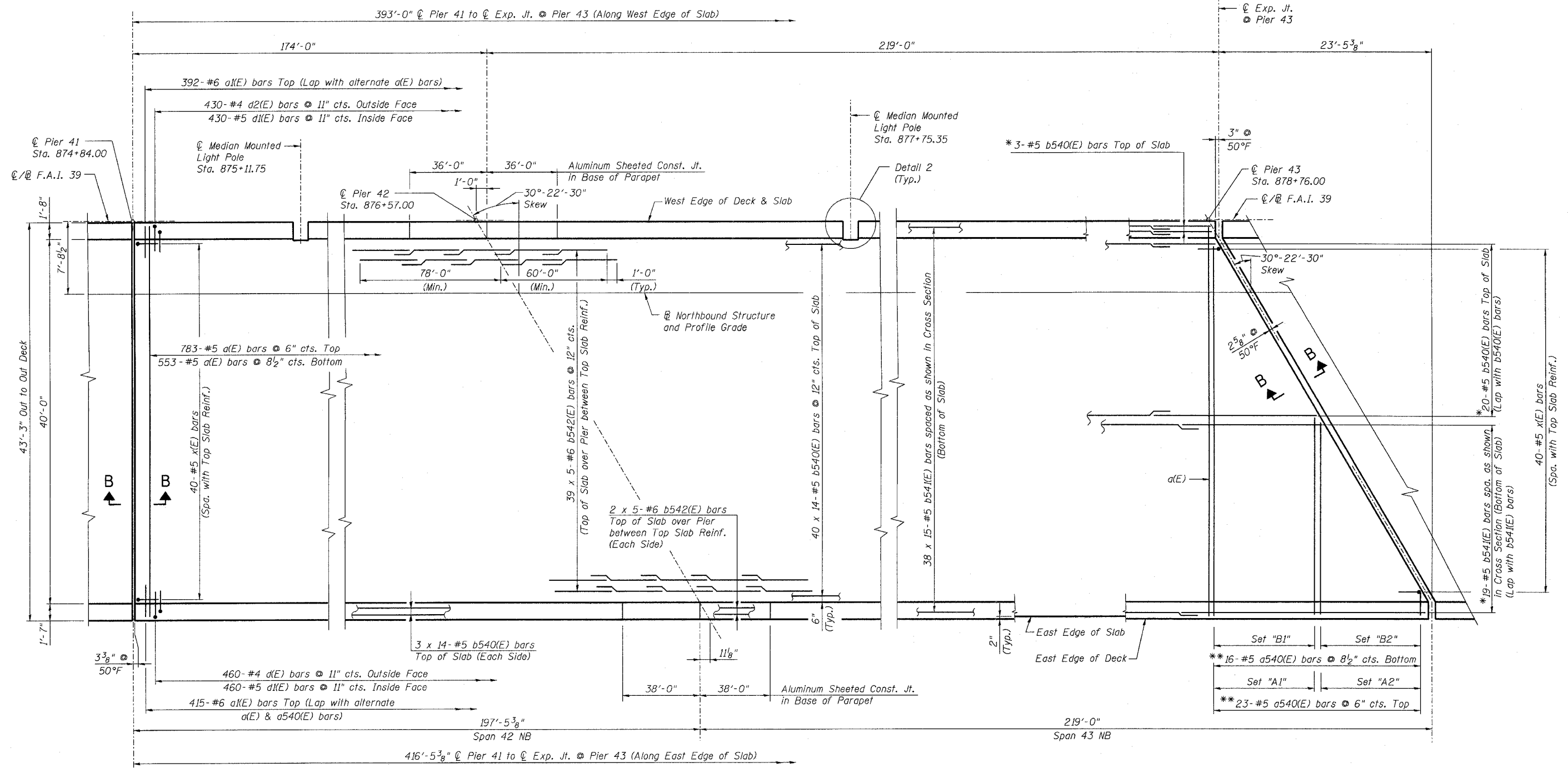
DECK PLAN - SPANS 42 AND 43 SB
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
F.A.I. 39	50-4B	LASALLE	177	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

Contract # 66586



PLAN

NOTES:
1. For Notes see sheet 154.

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

MINIMUM BAR LAP
(Slab)
#5 bar = 2'-2"
#6 bar = 2'-7"

*Order bars full length. Cut to fit skew & use remainder of bars on opposite side.
**Order bars full length. Cut to fit skew for Set "A1" or Set "B1" and use remainder of bars for Set "A2" or Set "B2".



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312-565-0450
Job # 3856

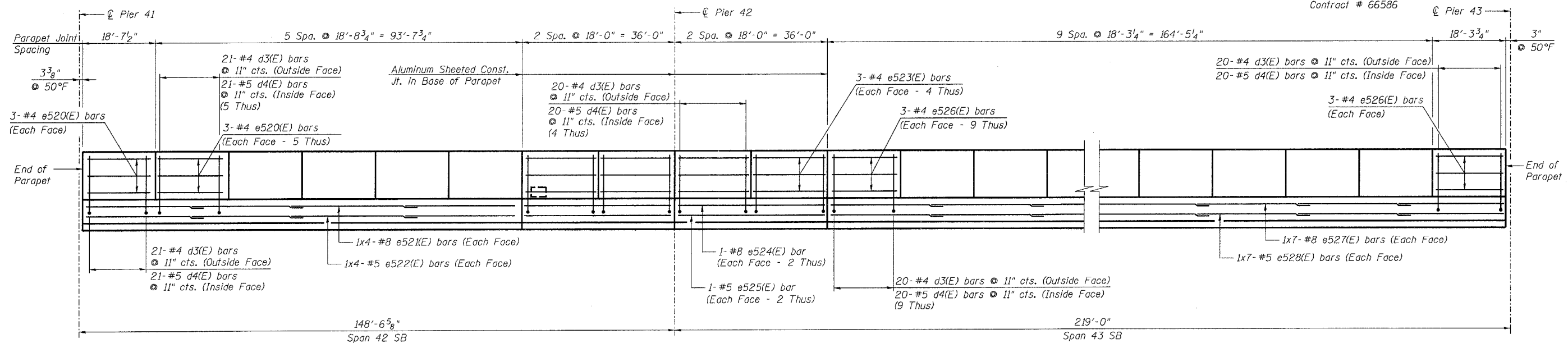
DECK PLAN - SPANS 42 AND 43 NB
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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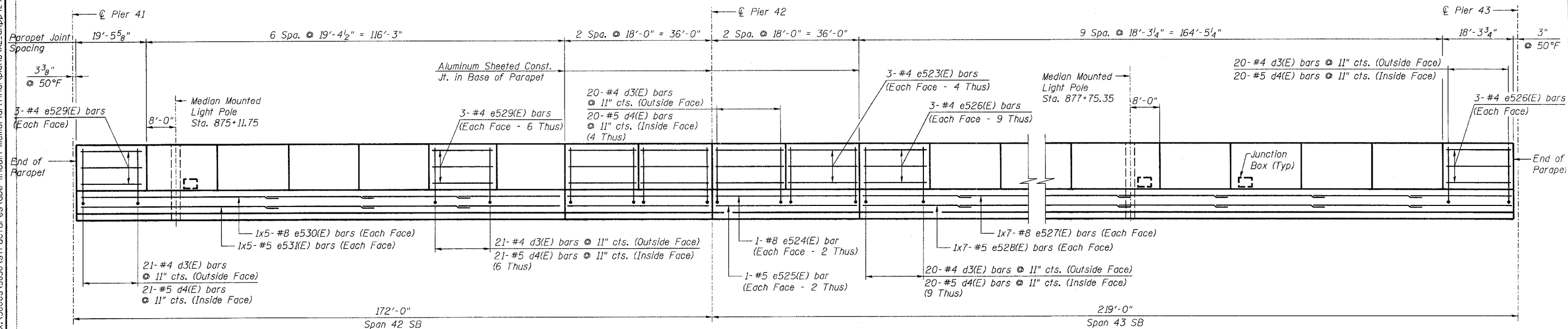
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	SHEET 178	SHEET NO. 156 313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

Contract # 66586



INSIDE ELEVATION OF OUTSIDE PARAPET - SB



REFLECTED INSIDE ELEVATION OF MEDIAN PARAPET - SB

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Bars indicated thus 3x4 - #4 etc. indicates 3 lines of bars with 4 lengths per line.
3. Use the following minimum lap lengths unless otherwise noted:

#4 - 1'-8"
#5 - 2'-2"
#8 - 4'-6"
4. For Bill of Material and Reinforcement schedule see sheet 158.
5. All edges have 3/4" chamfer.
6. For section through parapet see sheets 166 and 168.
7. For Median Mounted Light Pole details and additional reinforcement see sheet 169.
8. For Junction Box locations, see Electrical Plans.
9. For additional rebar at Junction Box, see sheet 169.

PARAPET ELEVATION - SPANS 42 AND 43 SB

ABRAHAM LINCOLN MEMORIAL BRIDGE OVER

THE ILLINOIS RIVER (PUBLIC WATERS)

F.A.I. ROUTE 39 SEC. (50-4B) BR

LASALLE COUNTY

STATION 863+16.00

STRUCTURE NO. 050-0191 (SB & NB)

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Chicago, Illinois 60601
312-565-0450
Job # 3856

DESIGNED -	AJK
CHECKED -	KWS
DRAWN -	AR
CHECKED -	MRB

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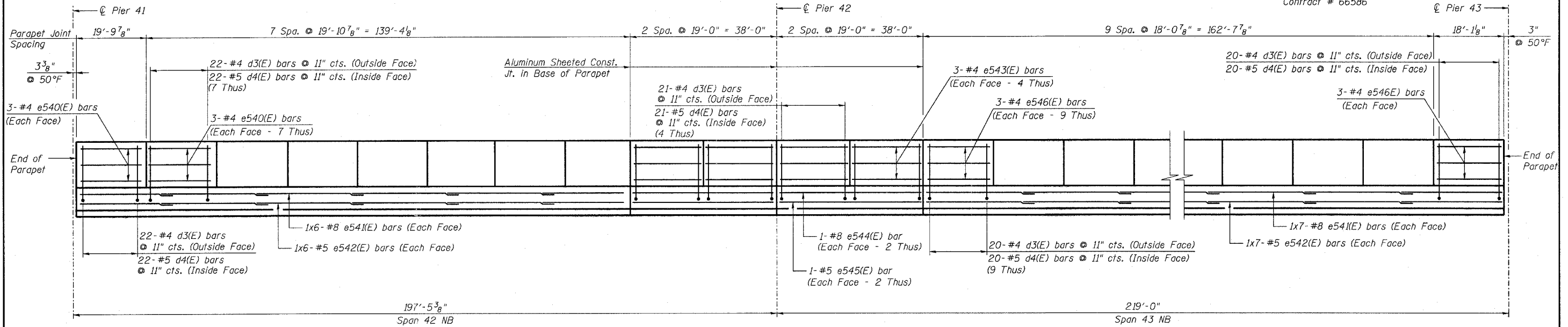
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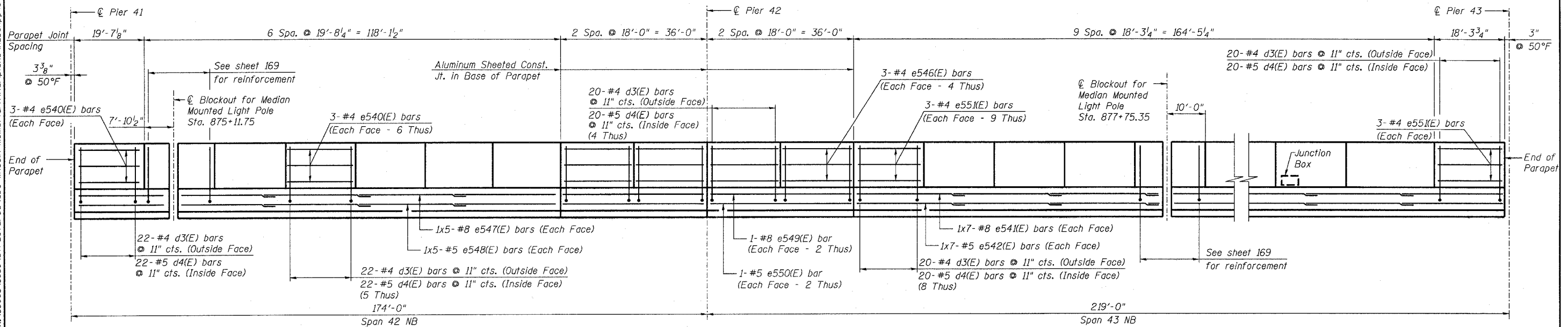
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET	SHEET NO. 157
F.A.I. 39	50-4B	LASALLE		179	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract # 66586



REFLECTED INSIDE ELEVATION OF OUTSIDE PARAPET - NB



INSIDE ELEVATION OF MEDIAN PARAPET - NB

NOTES:
1. For Notes see sheet 156.

DESIGNED -	AJK
CHECKED -	KWS
DRAWN -	AR
CHECKED -	MRB

PARAPET ELEVATION - SPANS 42 AND 43 NB
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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312-565-0450
Job # 3856

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8/30/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	TOTAL SHEETS 180	SHEET NO. 158
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

Contract # 66586

BILL OF MATERIAL
(Southbound Deck)

Bar	No.	Size	Length	Shape
a(E)	1249	#5	42'-6"	—
a1(E)	755	#6	4'-6"	—
a2(E)	16	#5	2'-0"	—
a520(E)	39	#5	42'-0"	—
a5(E)	10	#6	8'-0"	—
b3(E)	8	#5	2'-3"	—
b520(E)	621	#5	30'-3"	—
b521(E)	551	#5	28'-3"	—
b522(E)	172	#6	36'-9"	—
d(E)	406	#4	3'-4"	┌
d1(E)	833	#5	2'-5"	└
d2(E)	427	#4	3'-5"	┌
d8(E)	10	#5	5'-5"	┌
d97(E)	624	#5	3'-10"	└
x(E)	80	#5	4'-1"	└
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	114,550		
Concrete Superstructure	Cu. Yd.	451.9		
Bridge Deck Grooving	Sq. Yd.	1,592		
Protective Coat	Sq. Yd.	1,676		

BILL OF MATERIAL
(Southbound Parapets)

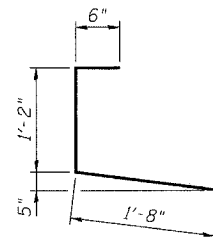
Bar	No.	Size	Length	Shape
d3(E)	833	#4	3'-0"	┌
d4(E)	839	#5	3'-0"	┌
d6(E)	10	#6	8'-11"	└
e10(E)	6	#4	2'-3"	—
e11(E)	2	#8	2'-3"	—
e12(E)	2	#5	2'-3"	—
e14(E)	16	#5	6'-0"	—
e520(E)	36	#4	18'-6"	—
e521(E)	8	#8	31'-6"	—
e522(E)	8	#5	29'-9"	—
e523(E)	48	#4	17'-9"	—
e524(E)	8	#8	35'-9"	—
e525(E)	8	#5	35'-9"	—
e526(E)	120	#4	18'-0"	—
e527(E)	28	#8	30'-3"	—
e528(E)	28	#5	28'-0"	—
e529(E)	42	#4	19'-0"	—
e530(E)	10	#8	31'-0"	—
e531(E)	10	#5	29'-0"	—
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	13,740		
Concrete Superstructure	Cu. Yd.	90.8		
Protective Coat	Sq. Yd.	329		

BILL OF MATERIAL
(Northbound Deck)

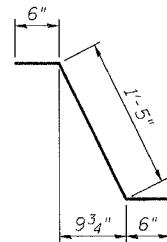
Bar	No.	Size	Length	Shape
a(E)	1336	#5	42'-6"	—
a1(E)	807	#6	4'-6"	—
a2(E)	16	#5	2'-0"	—
a540(E)	39	#5	42'-0"	—
b3(E)	8	#5	2'-3"	—
b540(E)	667	#5	30'-0"	—
b541(E)	589	#5	28'-3"	—
b542(E)	215	#6	29'-0"	—
d(E)	430	#4	3'-4"	┌
d1(E)	890	#5	2'-5"	└
d2(E)	460	#4	3'-5"	┌
x(E)	80	#5	4'-1"	└
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	118,620		
Concrete Superstructure	Cu. Yd.	481.9		
Bridge Deck Grooving	Sq. Yd.	1,699		
Protective Coat	Sq. Yd.	1,789		

BILL OF MATERIAL
(Northbound Parapets)

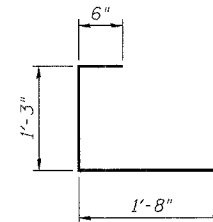
Bar	No.	Size	Length	Shape
d3(E)	890	#4	3'-0"	┌
d4(E)	890	#5	3'-0"	┌
e14(E)	4	#5	6'-0"	—
e540(E)	90	#4	19'-6"	—
e541(E)	40	#8	30'-3"	—
e542(E)	40	#5	28'-6"	—
e543(E)	24	#4	18'-9"	—
e544(E)	4	#8	37'-9"	—
e545(E)	4	#5	37'-9"	—
e546(E)	84	#4	17'-9"	—
e547(E)	10	#8	31'-3"	—
e548(E)	10	#5	29'-6"	—
e549(E)	4	#8	35'-9"	—
e550(E)	4	#5	35'-9"	—
e551(E)	60	#4	18'-0"	—
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	14,440		
Concrete Superstructure	Cu. Yd.	95.1		
Protective Coat	Sq. Yd.	350		



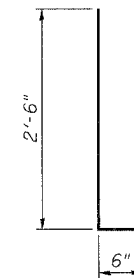
BAR d(E)



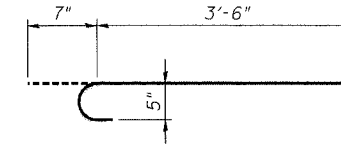
BAR d1(E)



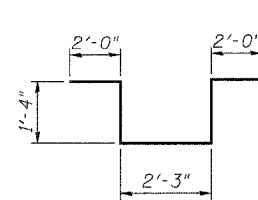
BAR d2(E)



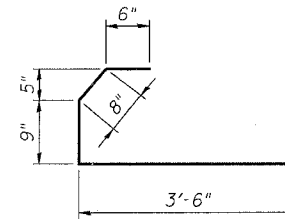
BARS d3(E) & d4(E)



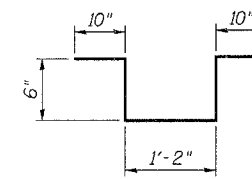
BAR x(E)



BAR d6(E)



BAR d8(E)



BAR d97(E)

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. All bar dimensions are out to out.

BILL OF MATERIAL - SPANS 42 AND 43
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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312-565-0450
Job # 3856

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

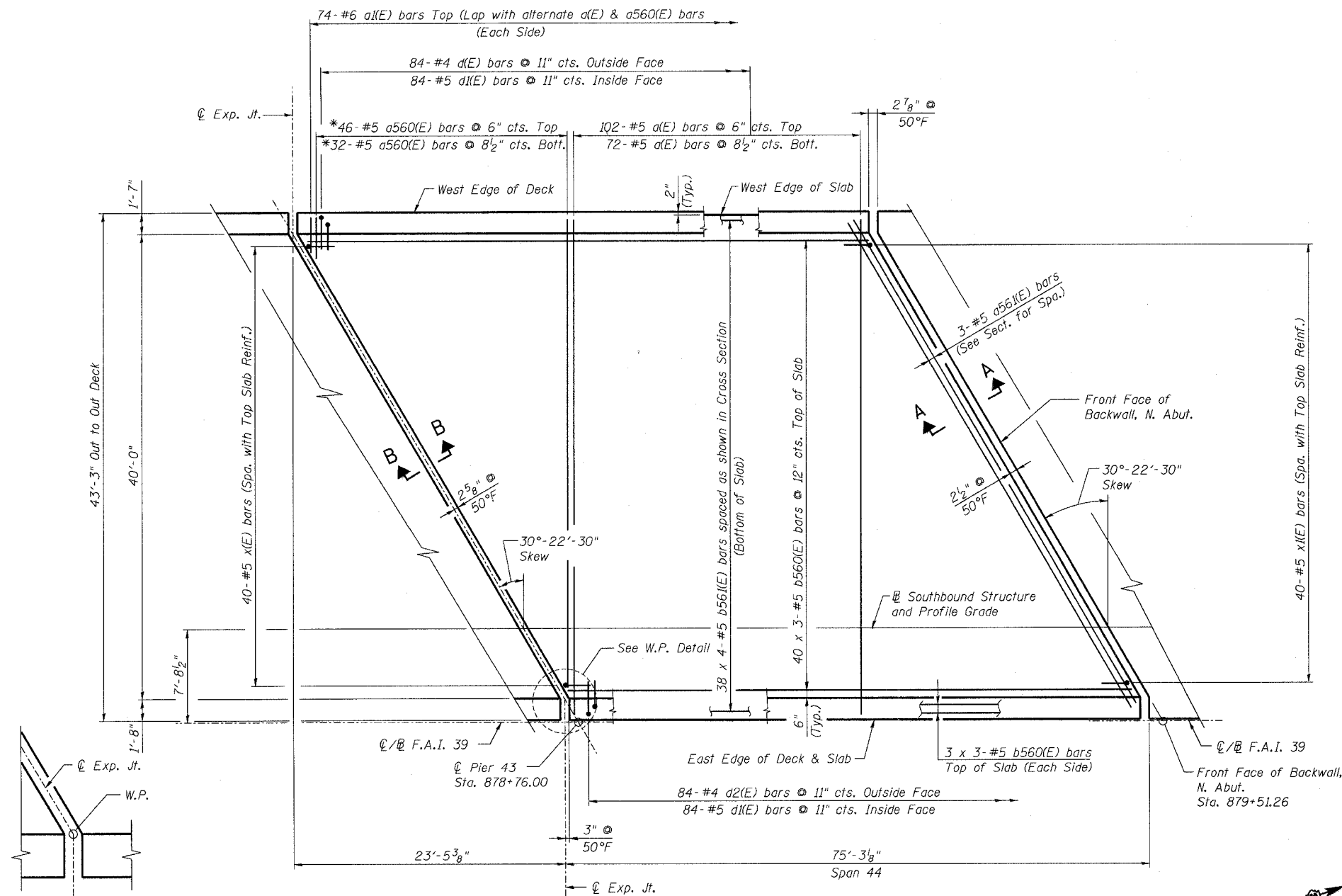
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 159 313 SHEETS
F.A.I. 39	50-4B	LASALLE		181	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract # 66586

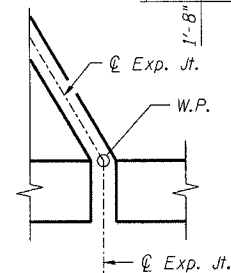
BILL OF MATERIAL

(Southbound Deck)

Bar	No.	Size	Length	Shape
a(E)	174	#5	42'-6"	—
a1(E)	148	#6	4'-6"	—
a2(E)	8	#5	2'-0"	—
a560(E)	78	#5	42'-0"	—
a561(E)	3	#5	48'-0"	—
b560(E)	138	#5	26'-3"	—
b561(E)	152	#5	20'-3"	—
d(E)	84	#4	3'-4"	┌
d1(E)	168	#5	2'-5"	┌
d2(E)	84	#4	3'-5"	┌
x(E)	40	#5	4'-1"	┌
x1(E)	40	#5	4'-1"	┌
Item	Unit	Total		
Reinforcement Bars, Epoxy Coated	Pound	20,430		
Concrete Superstructure	Cu. Yd.	90.0		
Bridge Deck Grooving	Sq. Yd.	314		
Protective Coat	Sq. Yd.	330		



PLAN



W.P. DETAIL

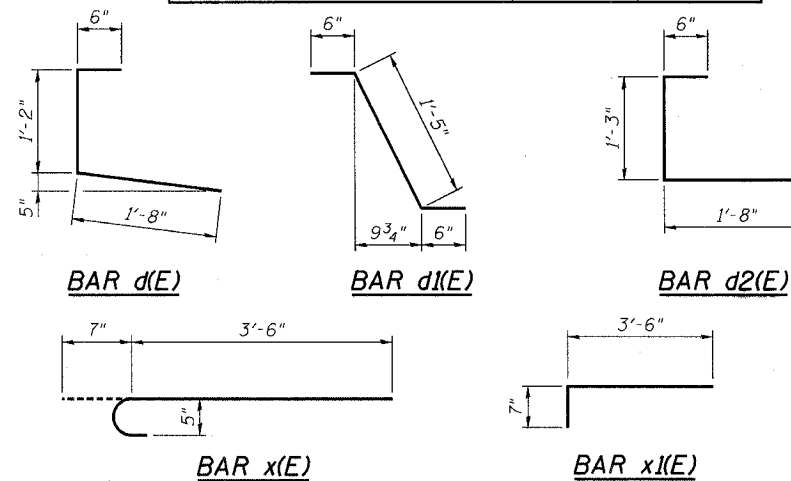
NOTES:

1. For Deck Cross Section see sheet 165.
2. For Deck Details and Sections A-A & B-B see sheets 166 thru 169.
3. Reinforcement bars designated (E) shall be epoxy coated.
4. Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
5. Floor Drains and Scuppers not shown. For locations, see sheets 175 and 176.
6. For Scupper Details see sheets 177 and 178.
7. For additional deck reinforcement at Scupper locations see sheet 166.

MINIMUM BAR LAP
(Slab)

- #5 bar = 2'-2"
- #6 bar = 2'-7"

*Order bars full length. Cut to fit skew & use remainder of bars in opposite end.



DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

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Job # 3856

DECK PLAN - SPAN 44 SB
ABRAHAM LINCOLN BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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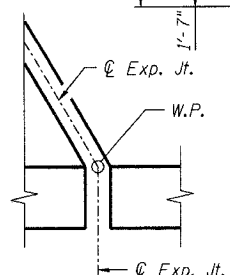
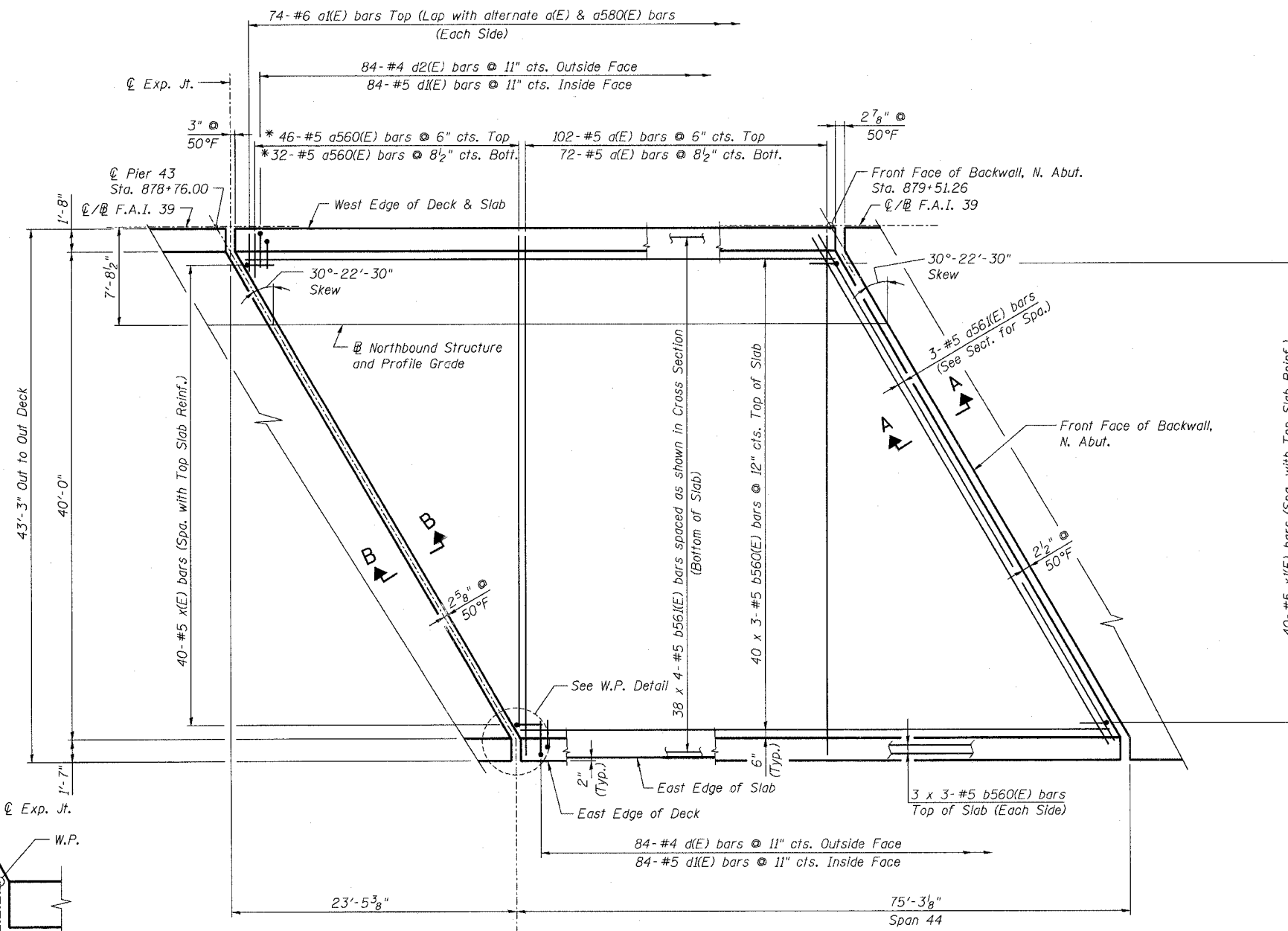
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 39	50-4B	LASALLE	182	313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

Contract # 66586

BILL OF MATERIAL
(Northbound Deck)

Bar	No.	Size	Length	Shape
a(E)	174	#5	42'-6"	—
a1(E)	148	#6	4'-6"	—
a2(E)	8	#5	2'-0"	—
a560(E)	78	#5	42'-0"	—
a561(E)	3	#5	48'-0"	—
b560(E)	138	#5	26'-3"	—
b561(E)	152	#5	20'-3"	—
d(E)	84	#4	3'-4"	┌
d1(E)	168	#5	2'-5"	┌
d2(E)	84	#4	3'-5"	┌
x(E)	40	#5	4'-1"	┌
x1(E)	40	#5	4'-1"	┌
Item		Unit	Total	
Reinforcement Bars, Epoxy Coated		Pound	20,430	
Concrete Superstructure		Cu. Yd.	90.0	
Bridge Deck Grooving		Sq. Yd.	314	
Protective Coat		Sq. Yd.	330	



W.P. DETAIL

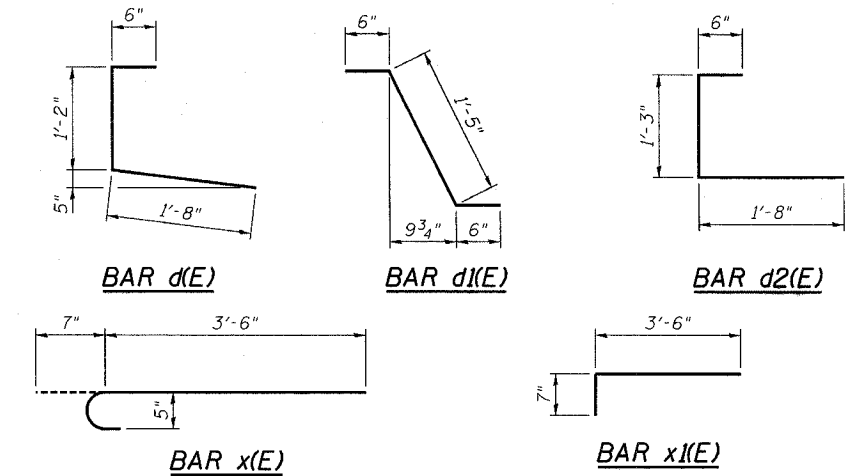
NOTES:
1. For Notes see sheet 159.

PLAN

* Order bars full length. Cut to fit skew & use remainder of bars in opposite end.

MINIMUM BAR LAP
(Slab)

#5 bar = 2'-2"
#6 bar = 2'-7"



DECK PLAN - SPAN 44 NB
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

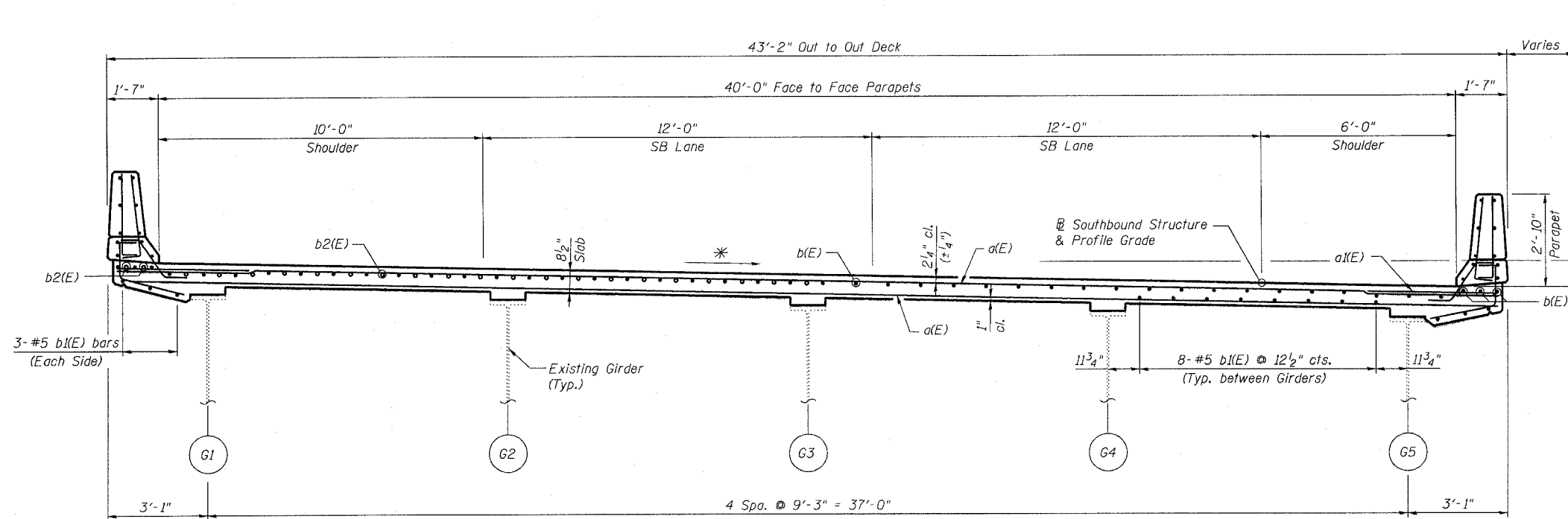
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Job # 3856

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 162 313 SHEETS
F.A.I. 39	50-4B	LASALLE		184	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

Contract # 66586



Total Drop toward \odot F.A.I. 39 = 1'-2³/₈" (From S. Abut to Sta. 819+13.67)
Zero Drop at Sta. 820+57.57
Total Drop away from \odot F.A.I. 39 = 4³/₄" (At Sta. 821+05.00)

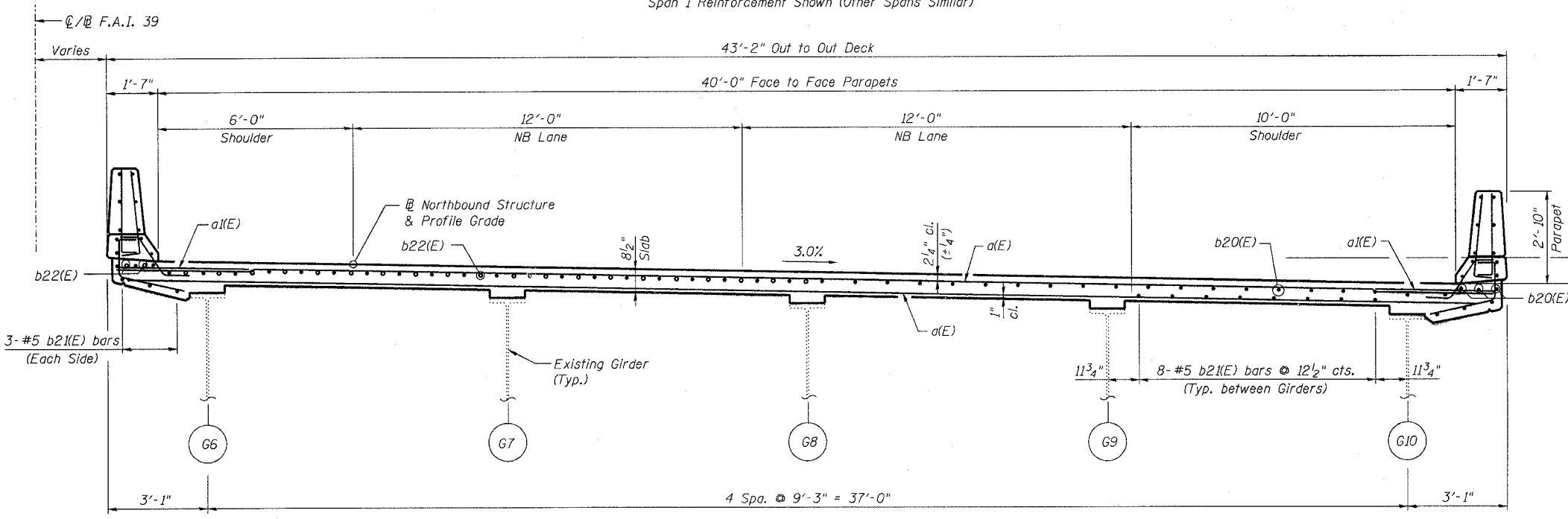
* Cross slope varies from 3.0% to -2.0% from Sta. 819+13.67 to Sta. 821+53.51 (\odot F.A.I. 39)

NEAR PIER

CROSS SECTION - SB STRUCTURE

(Looking upstation)
Span 1 Reinforcement Shown (Other Spans Similar)

NEAR MIDSPAN



Total Drop = 1'-2³/₈"

- NOTES:
1. Reinforcement bars designated (E) shall be epoxy coated.
 2. Work this sheet with sheets 163 thru 165.

NEAR PIER

CROSS SECTION NB STRUCTURE

(Looking upstation)
Span 1 Reinforcement Shown (Other Spans Similar)

NEAR MIDSPAN

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

DECK CROSS SECTIONS
S. ABUT. TO STA. 821+05.00
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

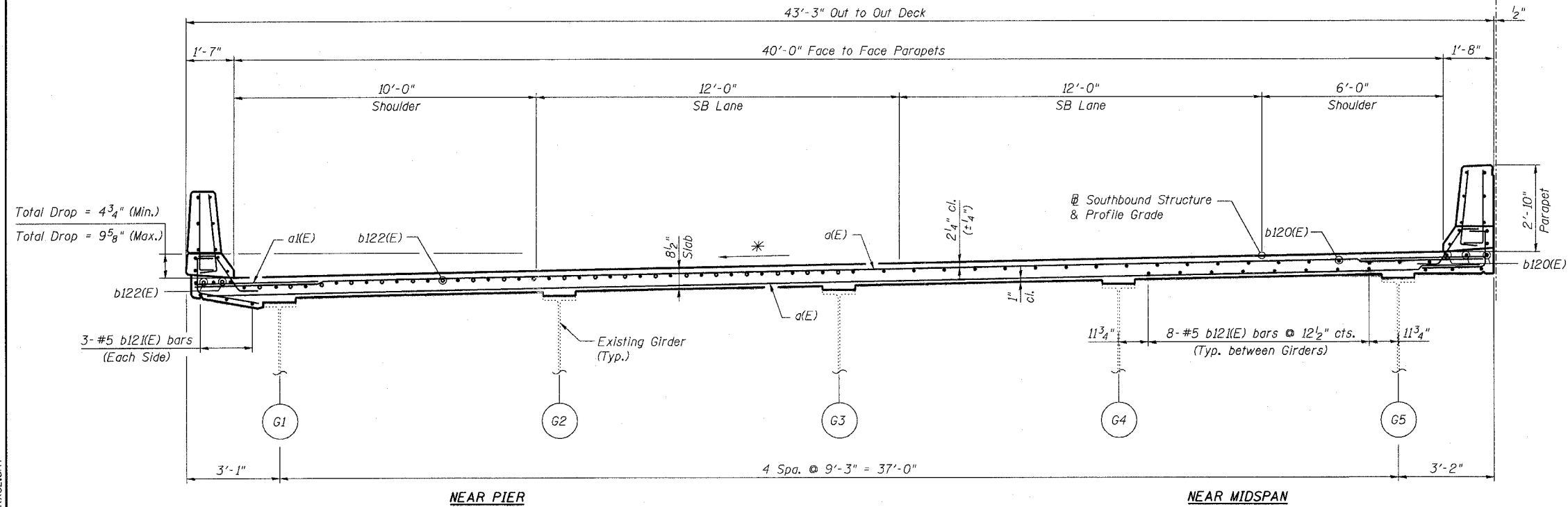
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312-565-0450
Job # 3856

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	TOTAL SHEETS 185	SHEET 185	SHEET NO. 163 313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT-	

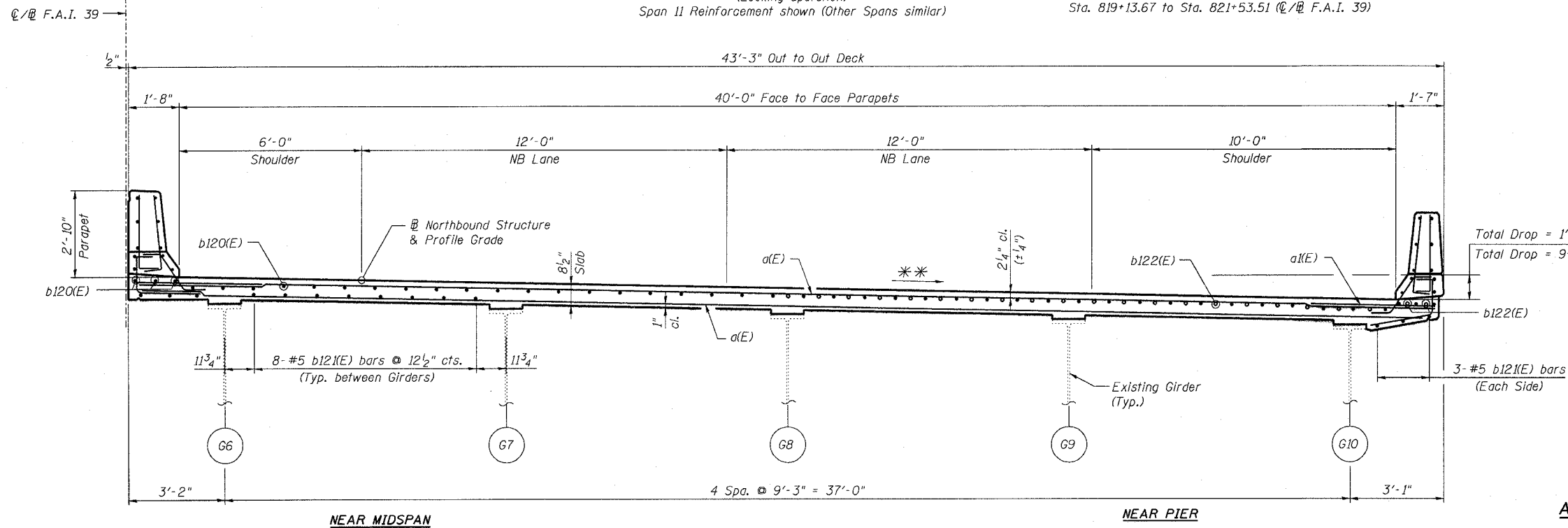
Contract # 66586



CROSS SECTION - SB STRUCTURE

(Looking upstation)
Span 11 Reinforcement shown (Other Spans similar)

* Cross slope varies from -3.0% to 2.0% from
Sta. 819+13.67 to Sta. 821+53.51 (C/L F.A.I. 39)



CROSS SECTION - NB STRUCTURE

(Looking upstation)
Span 11 Reinforcement shown (Other Spans similar)

** Cross slope varies from 3.0% to 2.0% from
Sta. 821+15.62 to Sta. 821+63.62 (C/L F.A.I. 39)

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Work this sheet with sheets 162, 164 & 165.

DECK CROSS SECTIONS
STA. 821+05.00 TO STA. 860+05.75
ABRAHAM LINCOLN BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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312-566-0460
Job # 3856

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

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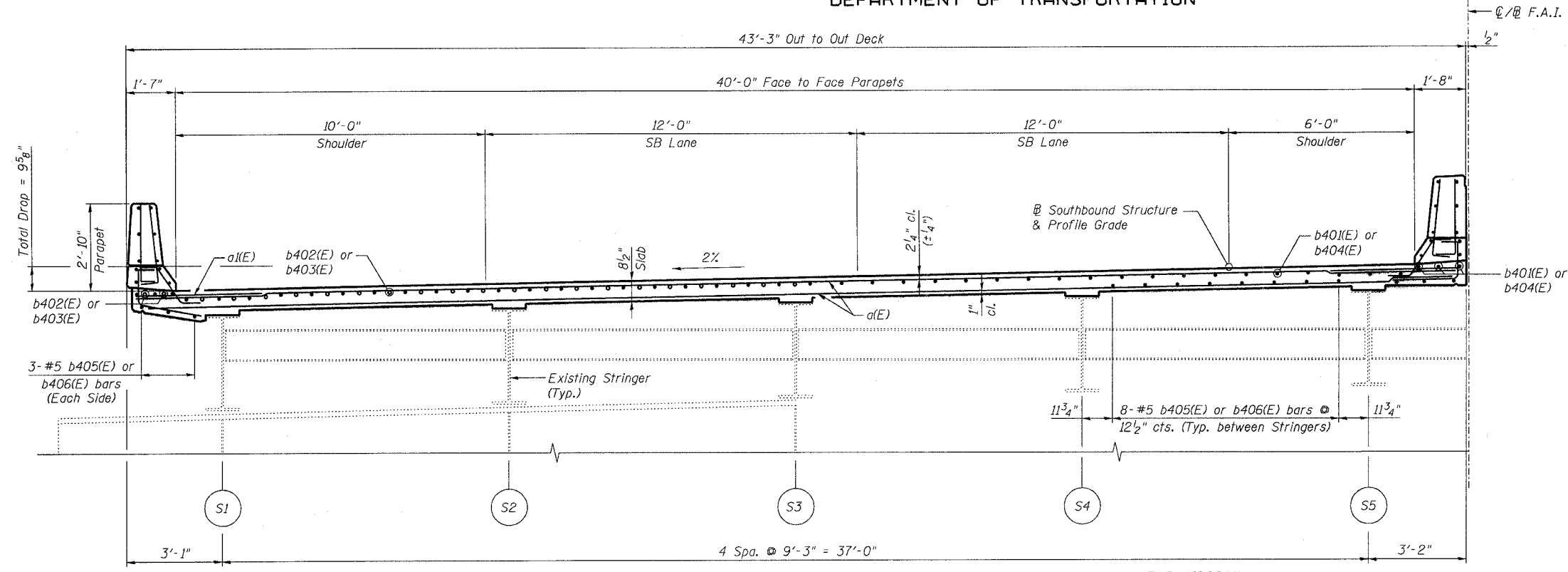
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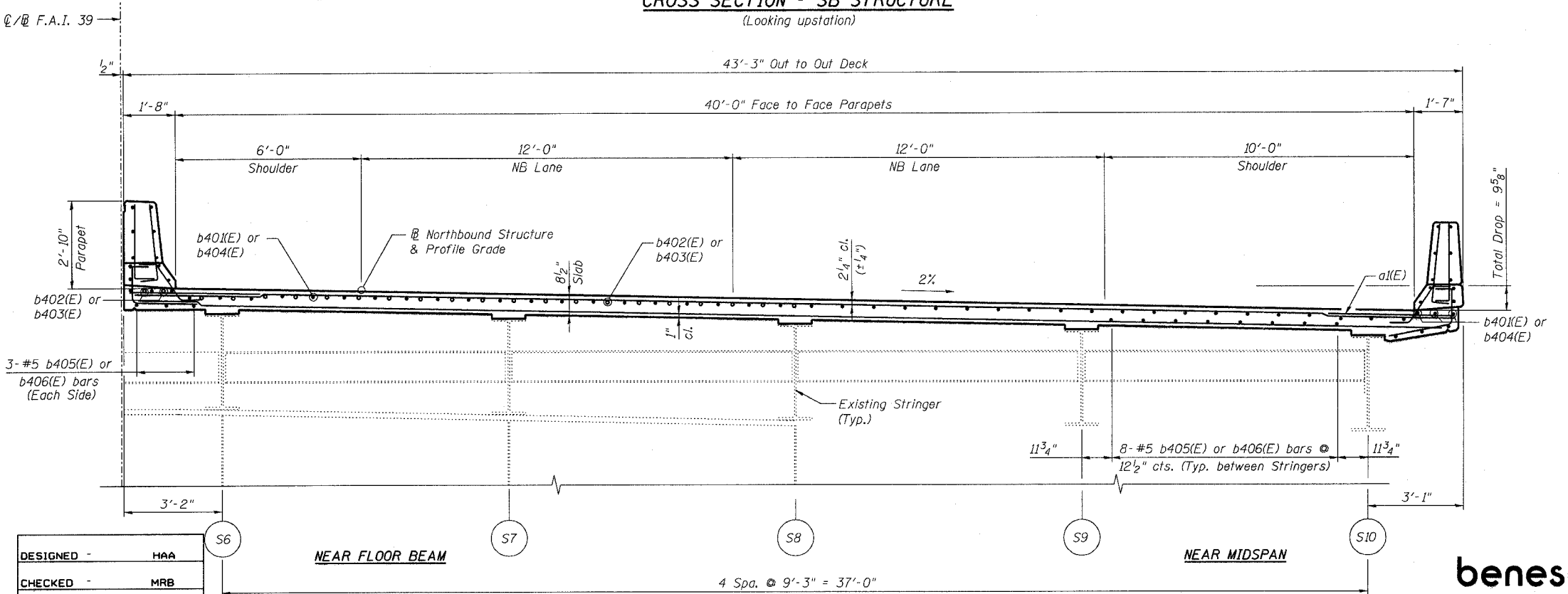
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	FEED SHEETS	SHEET	SHEET NO. 164 313 SHEETS
F.A.I. 39	50-4B	LASALLE		186	
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT	

Contract # 66586



CROSS SECTION - SB STRUCTURE
(Looking upstation)



CROSS SECTION - NB STRUCTURE
(Looking upstation)

- NOTES:**
1. Reinforcement bars designated (E) shall be epoxy coated.
 2. Work this sheet with sheets 162, 163 & 165.

DECK CROSS SECTIONS - TIED ARCH SPAN
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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Job # 3856

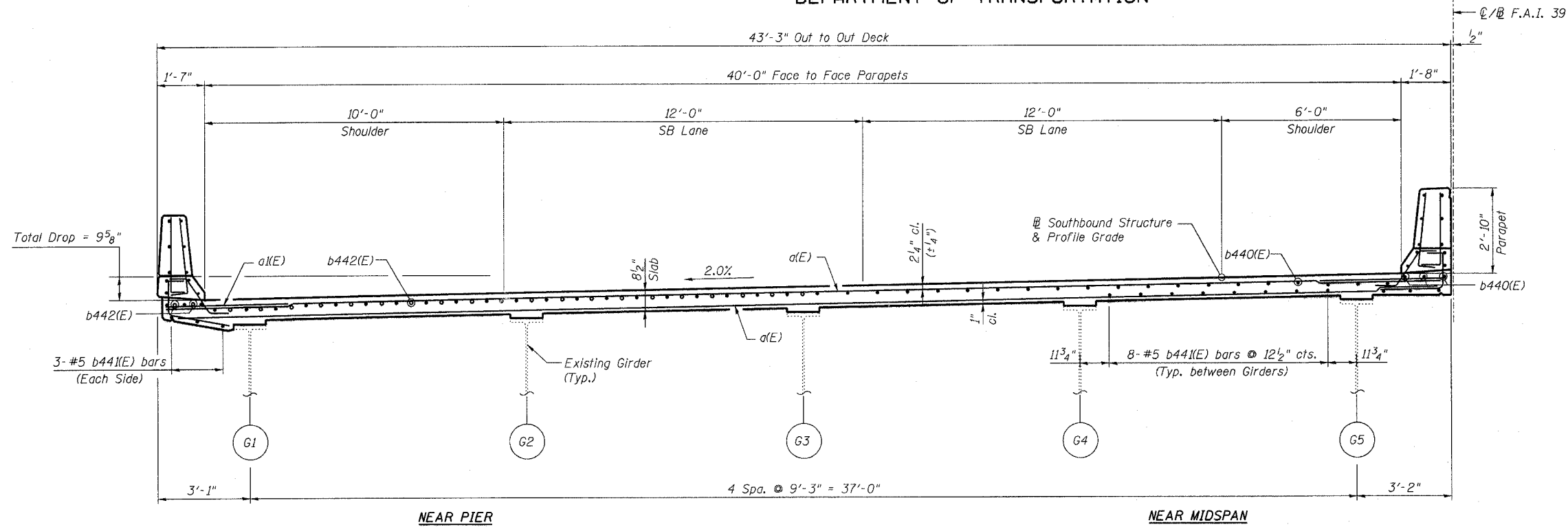
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CHECKED -	MRB
DRAWN -	VH
CHECKED -	MRB

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

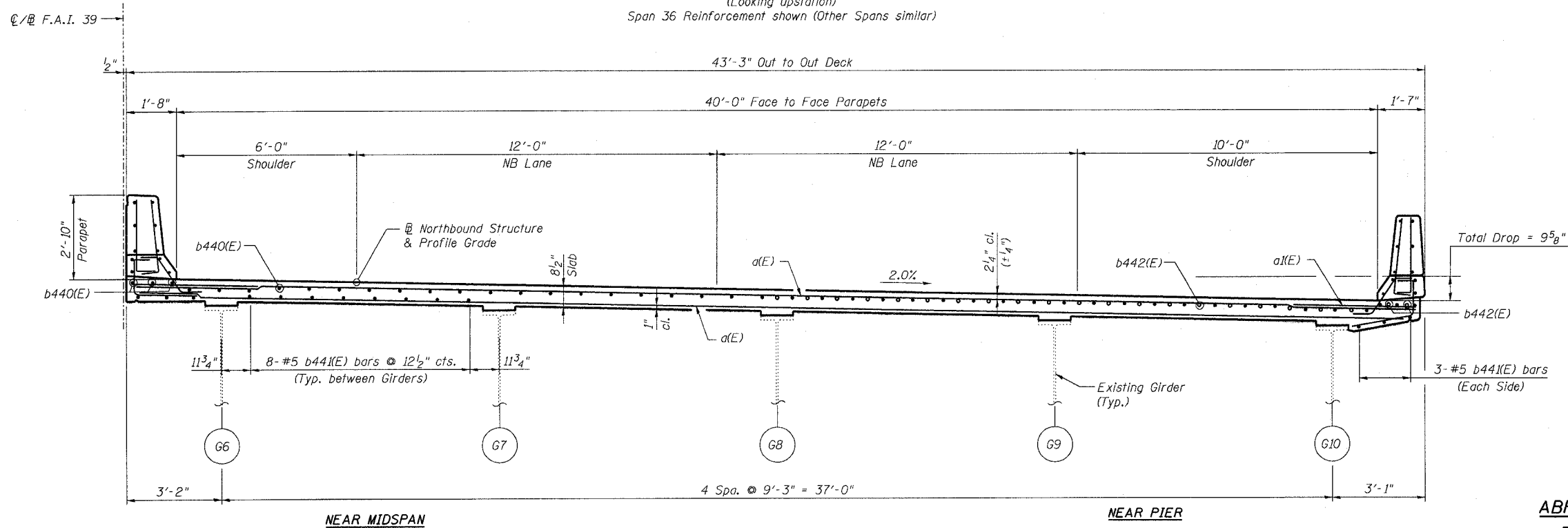
ROUTE NO.	SECTION	COUNTY	SHEET	SHEET	SHEET NO.
F.A.I. 39	50-4B	LASALLE	187		165
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT	

Contract # 66586



CROSS SECTION - SB STRUCTURE

(Looking upstation)
Span 36 Reinforcement shown (Other Spans similar)



CROSS SECTION - NB STRUCTURE

(Looking upstation)
Span 36 Reinforcement shown (Other Spans similar)

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Work this sheet with sheets 162 thru 164.

DECK CROSS SECTIONS
STA. 866+26.25 TO N. ABUT.
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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208 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450
Job # 3856

DESIGNED -	HAA
CHECKED -	MRB
DRAWN -	VH
CHECKED -	KWS

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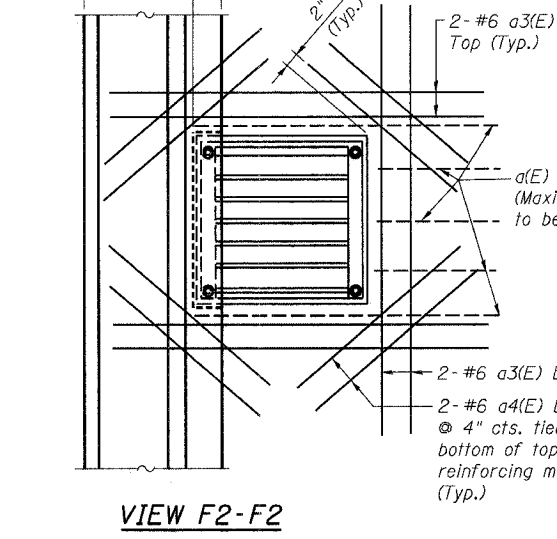
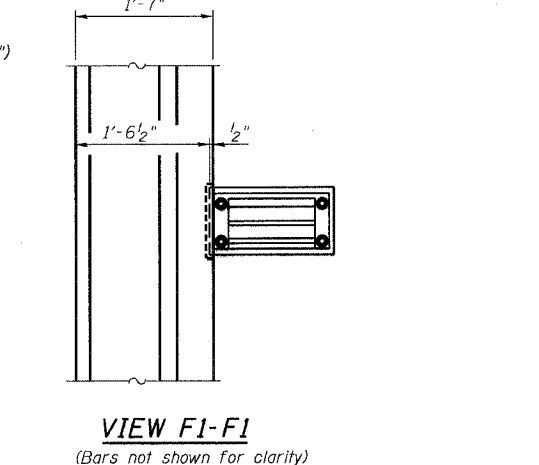
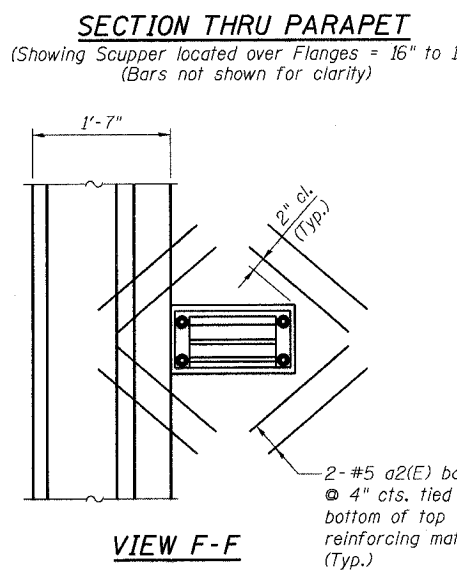
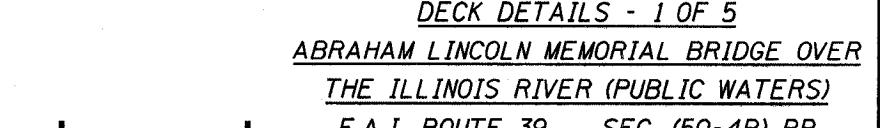
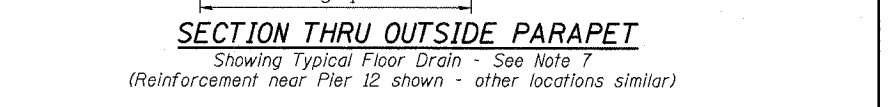
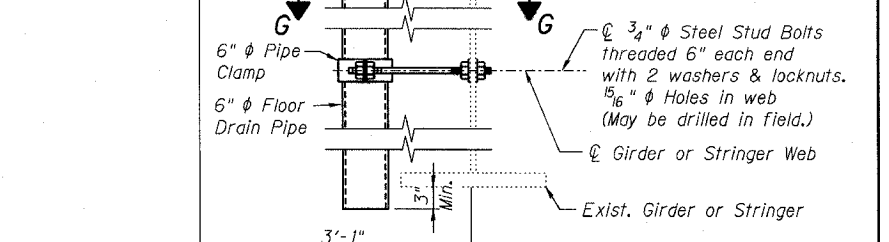
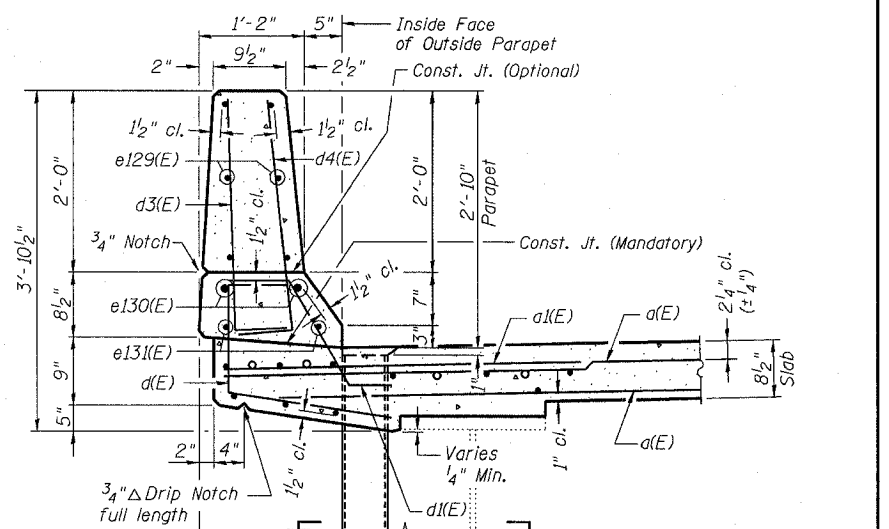
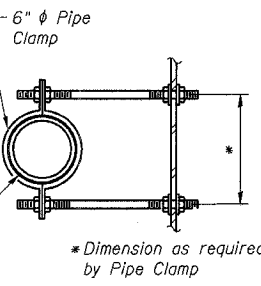
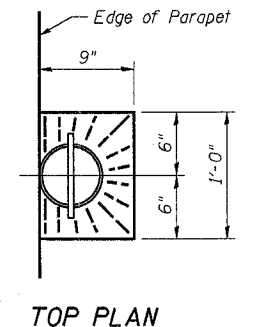
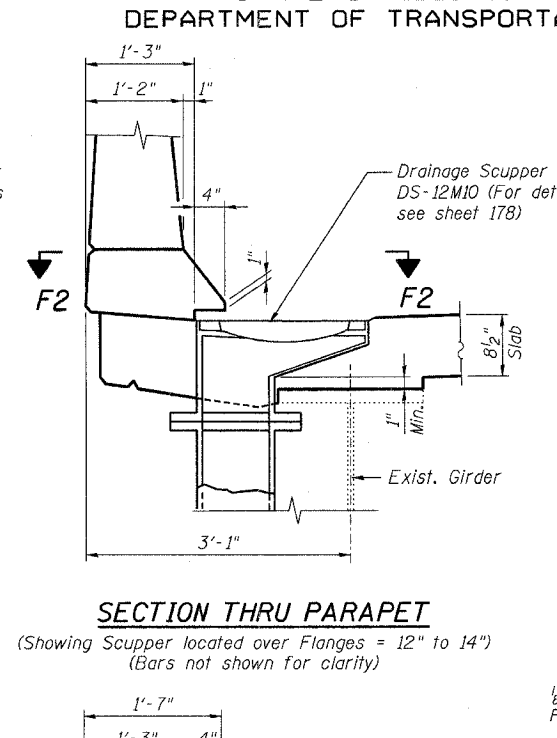
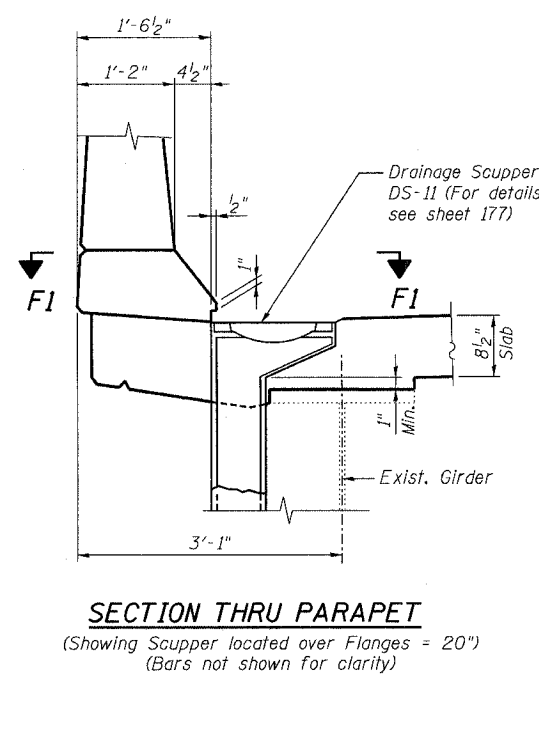
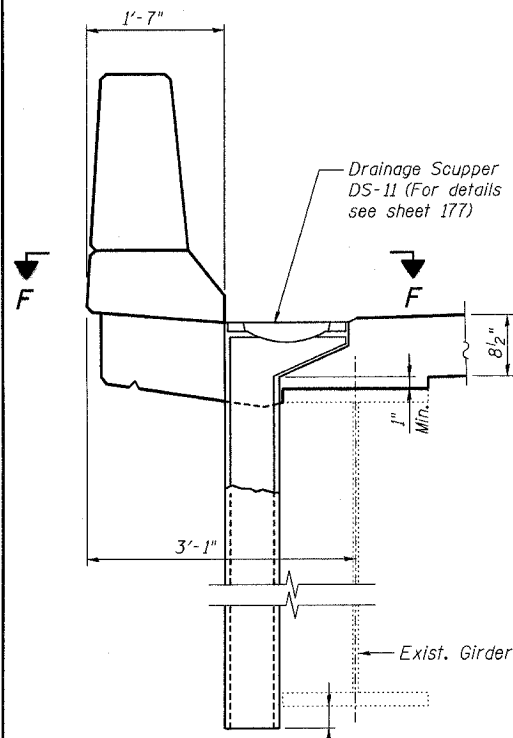
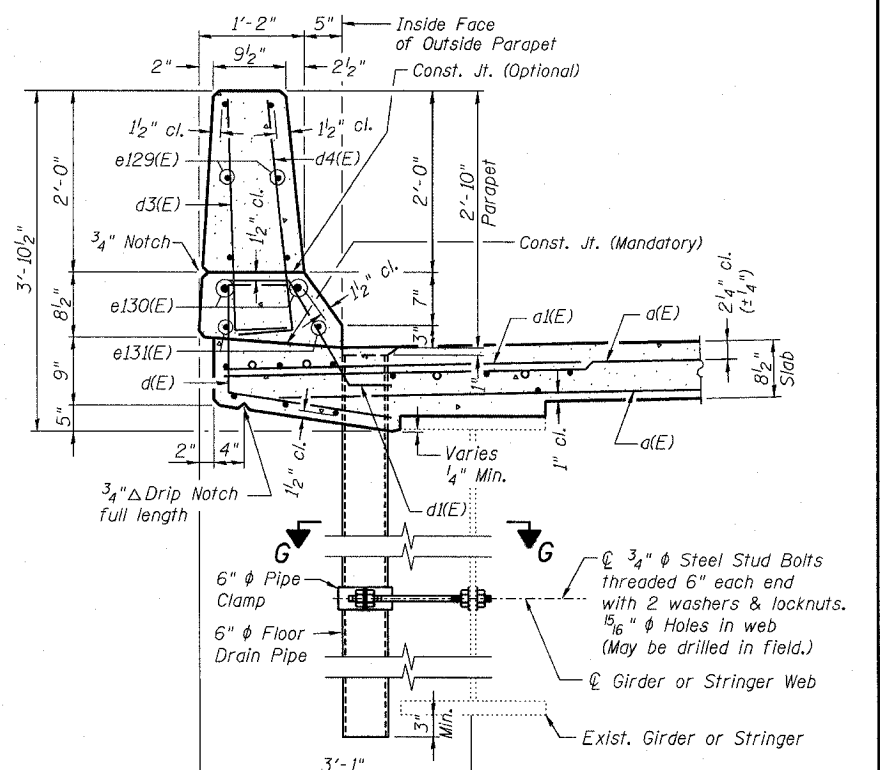
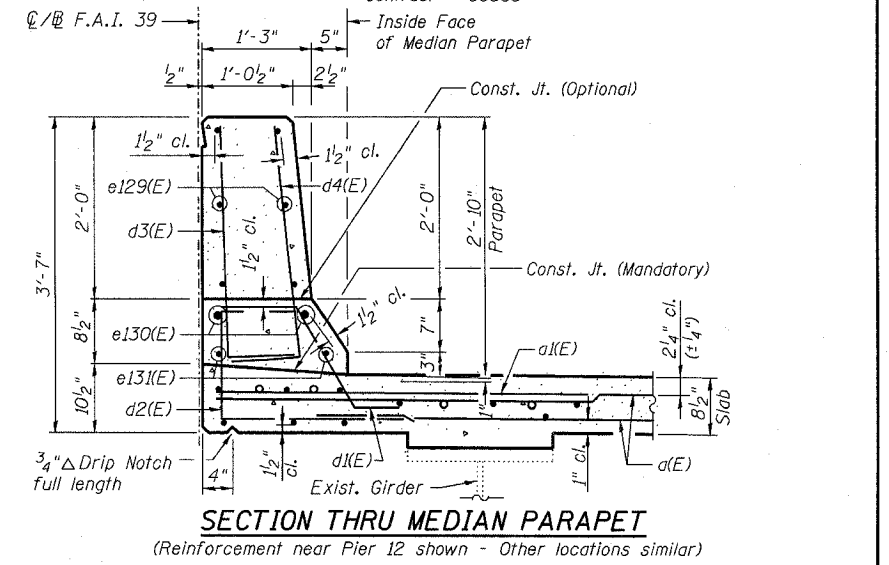
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8/30/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	USERS	SHEET 188	SHEET NO. 166
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT-					313 SHEETS

Contract # 66586



NOTES:

- The exterior surfaces of the floor drains shall be painted with the finish coat as specified in the special provisions for Cleaning and Painting New Metal Structures. The exterior surfaces of the drains shall be cleaned according to Steel Structures Painting Council's Spec. SSPC-SP1 prior to painting. Fiberglass pipe shall conform to ASTM D 2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
- Reinforcement bars designated (E) shall be epoxy coated.
- Cut longitudinal deck reinforcement to clear drainage scuppers.
- Space transverse deck reinforcement to miss Floor Drains and DS-11 Drainage Scuppers.
- Space d(E) bars to miss Drainage Scuppers.
- Work this sheet with sheets 166a thru 169.
- For Floor Drain detail near Floorbeams in Tied Arch Span, see sheet 166a.

DESIGNED -	KWS
CHECKED -	AJK
DRAWN -	AR/VH
CHECKED -	MRB

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Engineers - Surveyors - Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-865-0450
Job # 3856

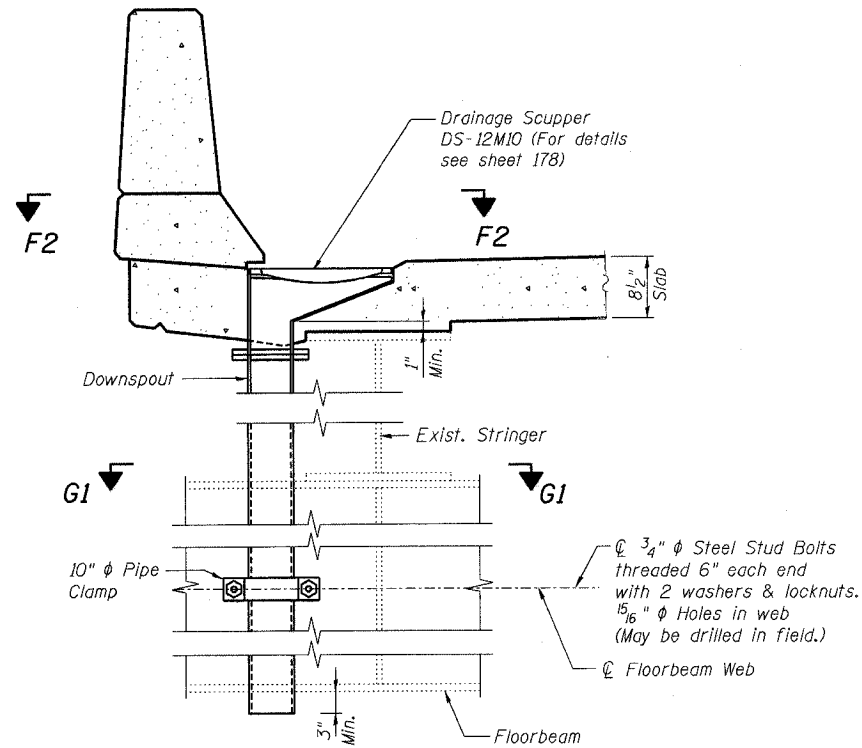
DECK DETAILS - 1 OF 5
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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 8/30/2006

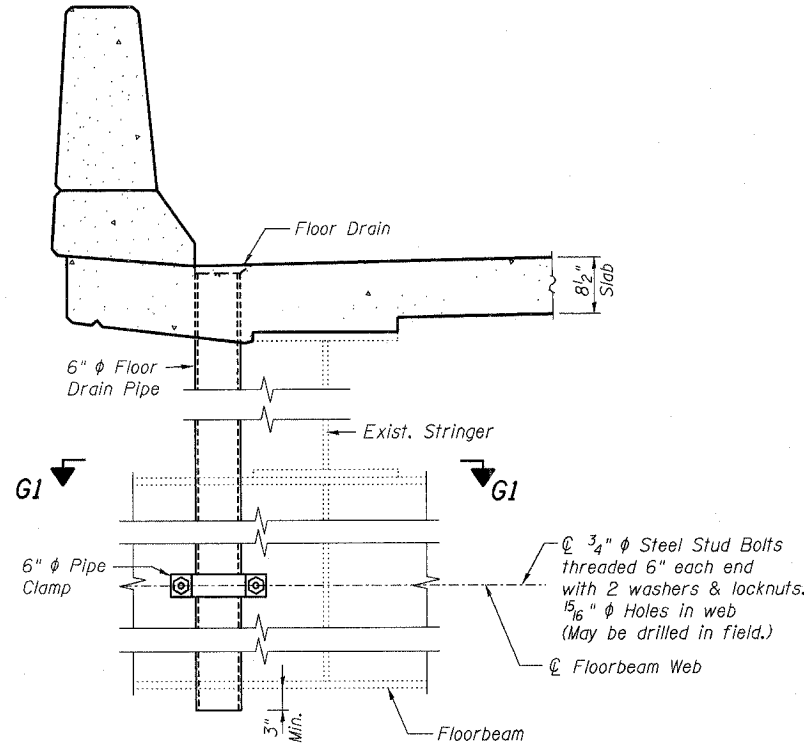
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET
F.A.I. 39	50-4B	LASALLE	189	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

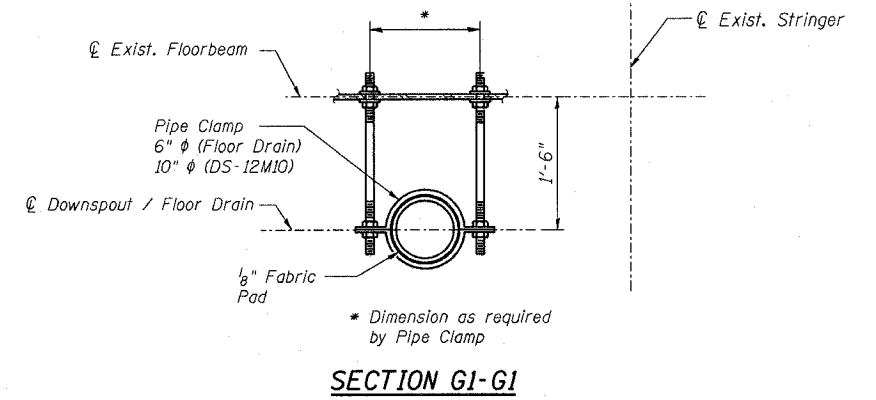
Contract # 66586



SECTION THRU PARAPET
(Showing Scupper located in Tied Arch Span)
(Bars not shown for clarity)



SECTION THRU PARAPET
(Showing Floor Drain located nearest to Floorbeam in Tied Arch Span)
(Bars not shown for clarity)



SECTION G1-G1

NOTES:

1. For section F2-F2 see sheet 166.
2. Work this sheet with sheets 166 thru 169.
3. For additional notes see sheet 166.

DECK DETAILS - 2 OF 5
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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312-565-0450
Job # 3856

DESIGNED -	KWS
CHECKED -	AJK
DRAWN -	AR/VH
CHECKED -	MRB

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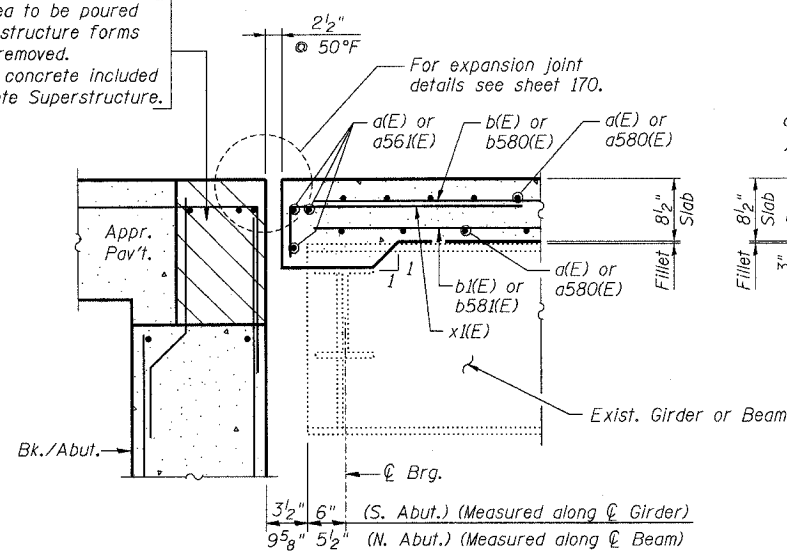
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8/30/2006

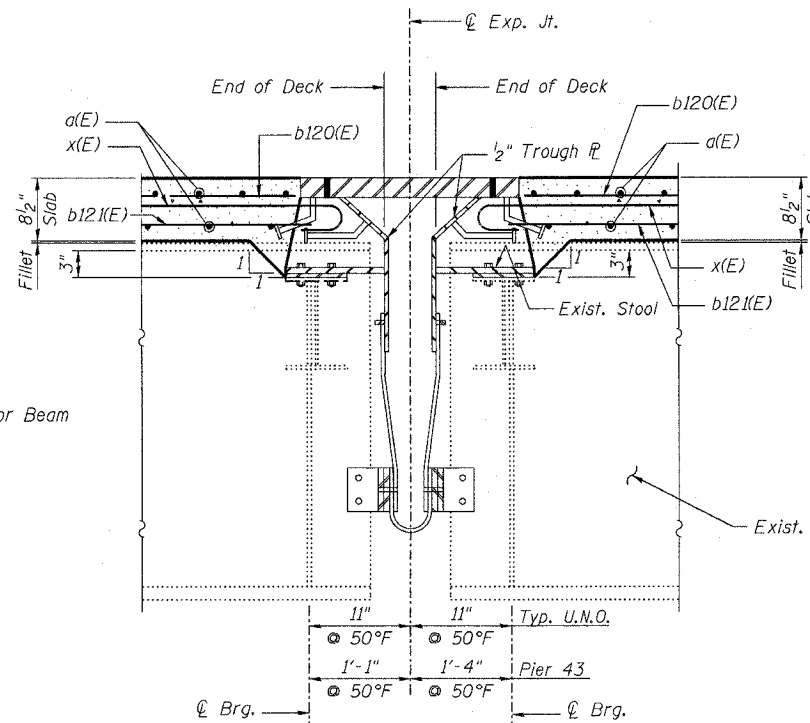
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET	SHEET NO. 167
F.A.I. 39	50-4B	LASALLE		190	313 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-	Contract # 66586		

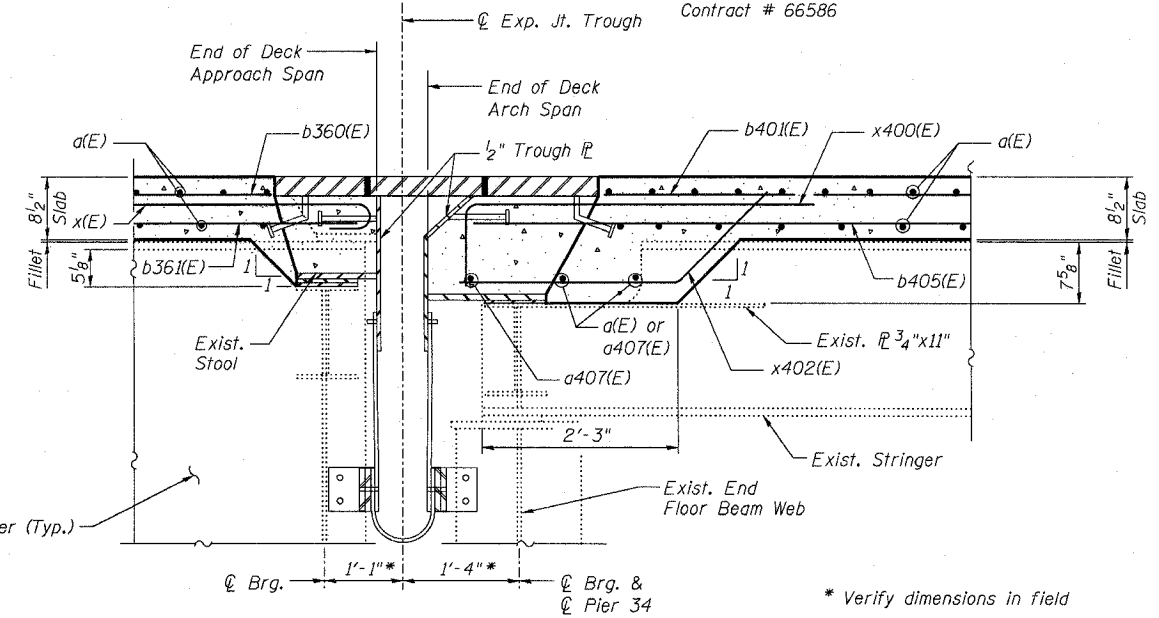
Hatched area to be poured after superstructure forms have been removed. Quantity of concrete included with Concrete Superstructure.



SECTION A-A
(S. Abut. SB shown U.N.O.)

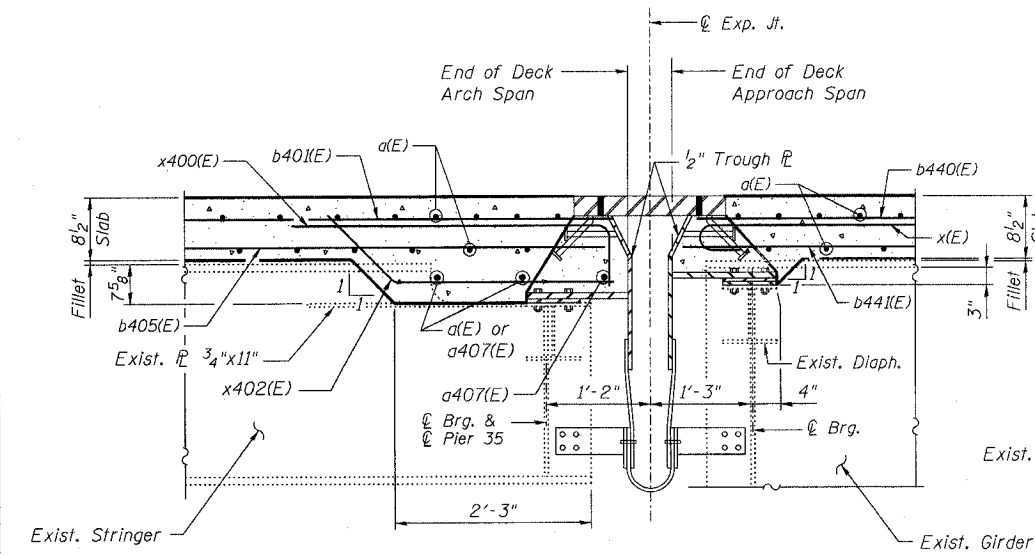


SECTION B-B
(Pier 21 Reinforcement shown)
(Other Piers similar)
(Looking West)

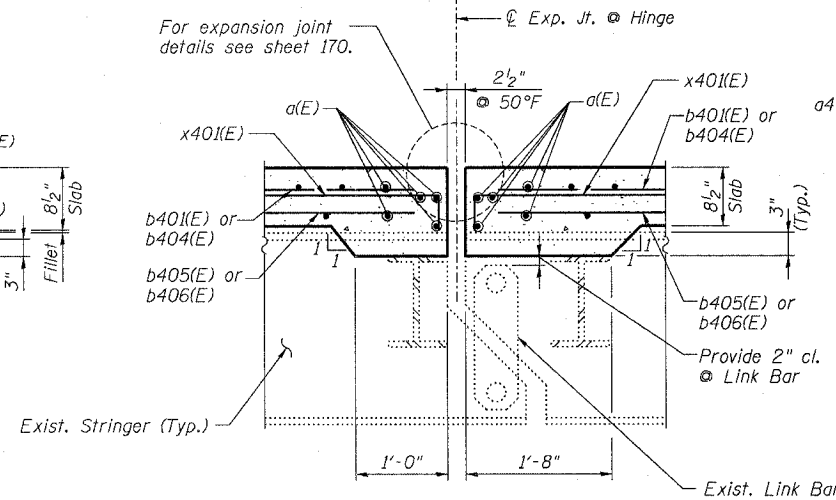


SECTION C-C
(Pier 34 near Edge of Deck)

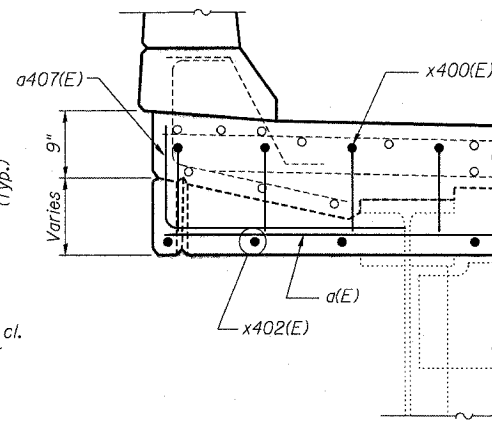
* Verify dimensions in field



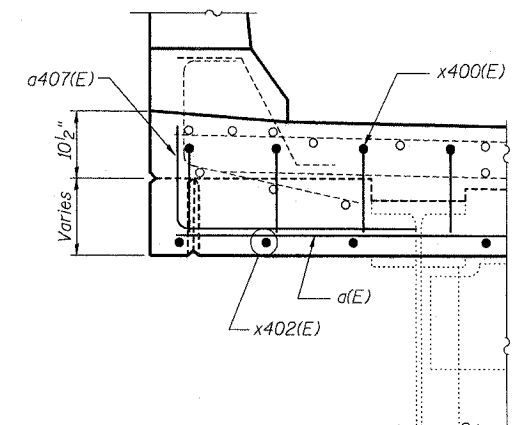
SECTION D-D
(Pier 35 near \bar{C}/\bar{C} F.A.I. 39)



SECTION E-E
(Tied Arch Span \odot Hinge)



VIEW C1-C1
(Typ. \odot End of Slab at Pier 34 & 35)



VIEW C2-C2
(Typ. \odot End of Slab at Pier 34 & 35)

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. For Strip Seal Expansion Joint details see sheet 170.
3. For Finger Plate Expansion Joint details see sheets 171 thru 174.
4. U.N.O. denotes Unless Noted Otherwise.
5. Work this sheet with sheets 166, 166a, 168 and 169.

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Chicago, Illinois 60601
312-965-0460
Job # 3856

DECK DETAILS - 3 OF 5
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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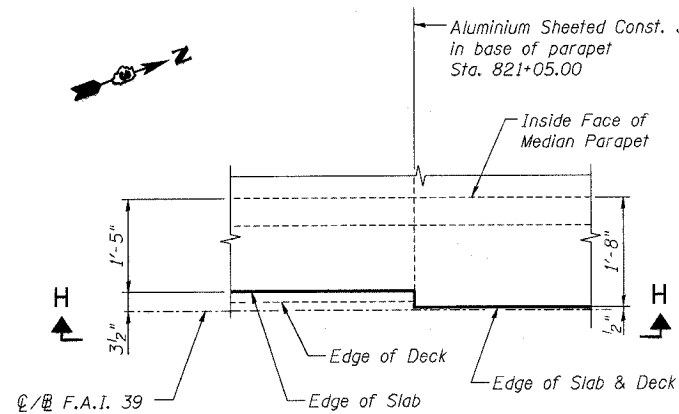
8/30/2006

DESIGNED -	KWS
CHECKED -	AJK
DRAWN -	AR
CHECKED -	MRB

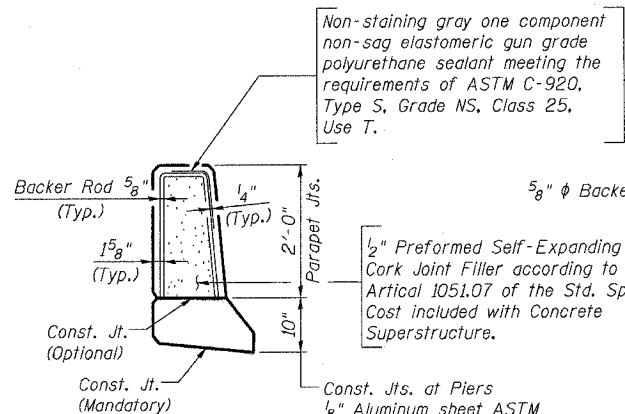
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET	SHEET NO. 168 313 SHEETS
F.A.I. 39	50-4B	LASALLE	191	191	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

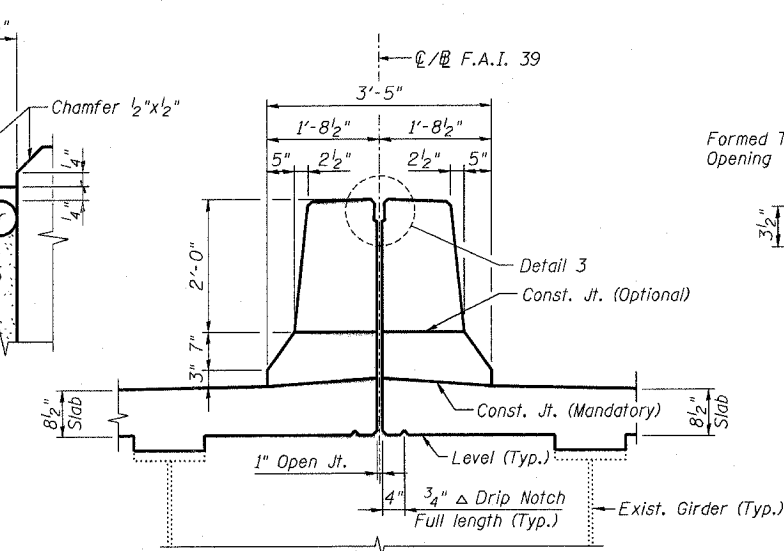
Contract # 66586



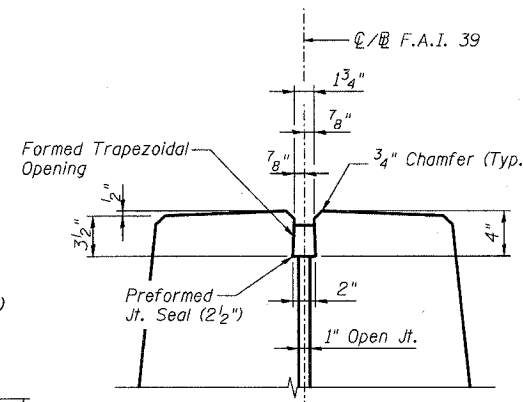
DETAIL 1
(Deck Fascia Transition)
(Southbound shown, Northbound Symm. about C/ @ F.A.I. 39)



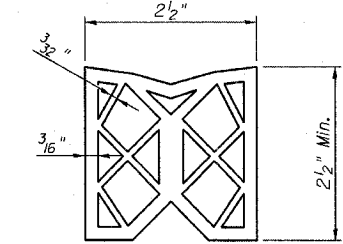
PARAPET JOINT DETAIL



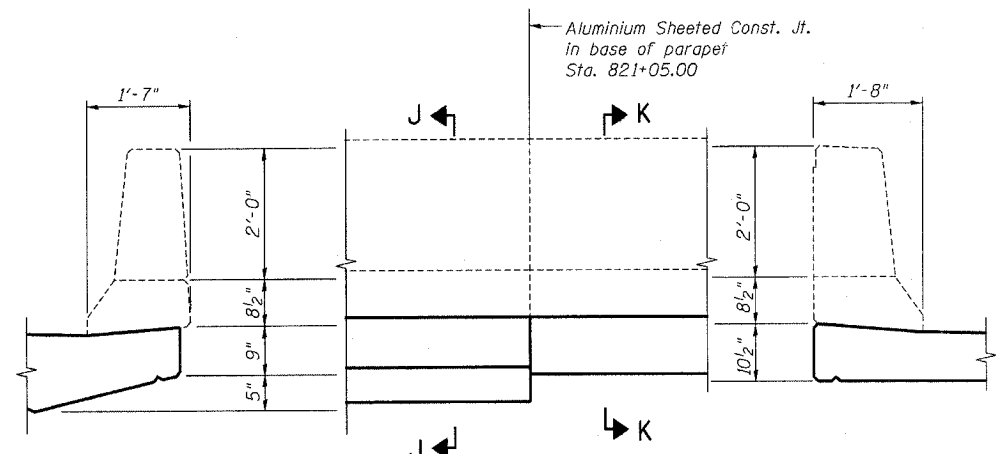
SECTION THRU MEDIAN PARAPET
(Bars not shown for clarity)



DETAIL 3



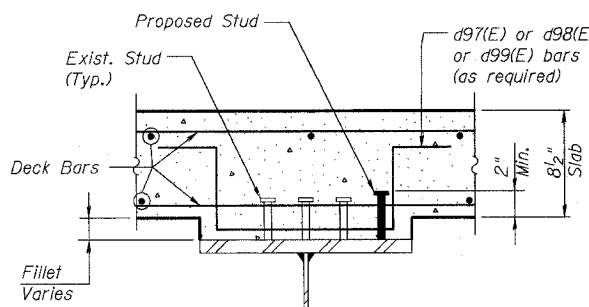
PREFORMED JOINT SEAL
(Cost included with Concrete Superstructure)



SECTION J-J

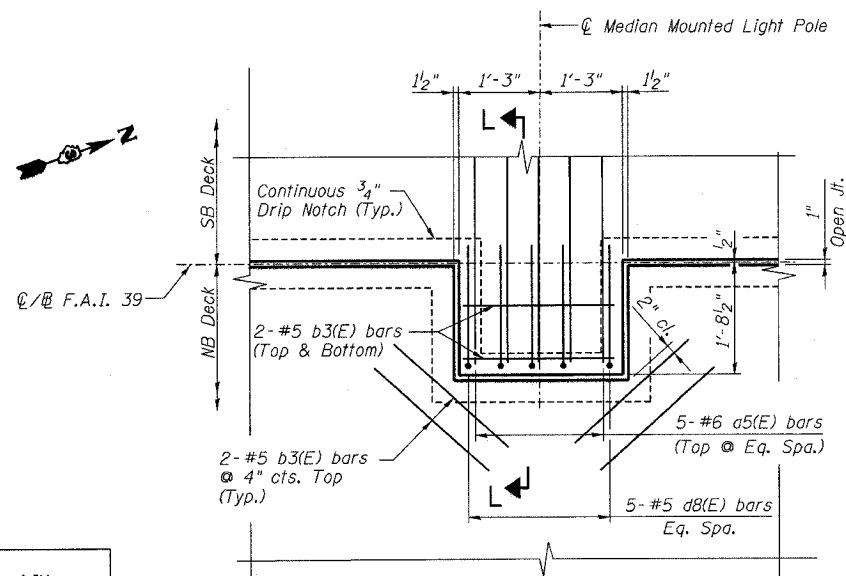
VIEW H-H

SECTION K-K



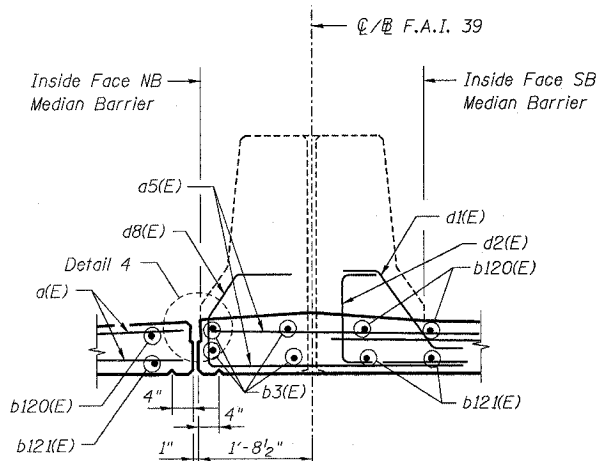
TYPICAL FILLET REINFORCEMENT DETAIL

(When existing studs do not meet the minimum 2" projection into proposed deck)



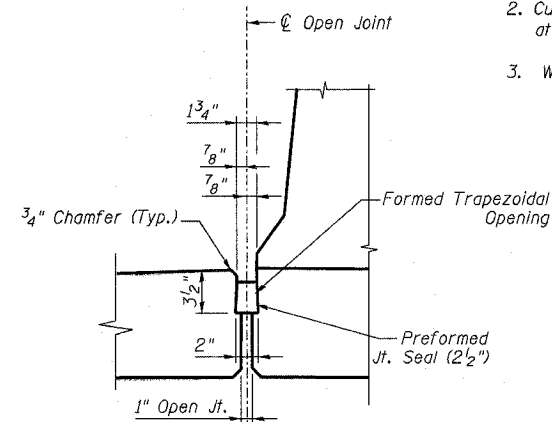
DETAIL 2

(Other Deck bars not shown for clarity)



SECTION L-L

(Span 11 Reinforcement shown)
(Other Spans similar)



DETAIL 4

- NOTES:**
1. Reinforcement bars designated (E) shall be epoxy coated.
 2. Cut NB longitudinal deck reinforcement as necessary at Median Mounted Light Poles.
 3. Work this sheet with sheets 166, 166a, 167 and 169.

DECK DETAILS - 4 OF 5
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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312-565-0450
Job # 3856

DESIGNED -	AJK
CHECKED -	KWS
DRAWN -	AR
CHECKED -	MRB

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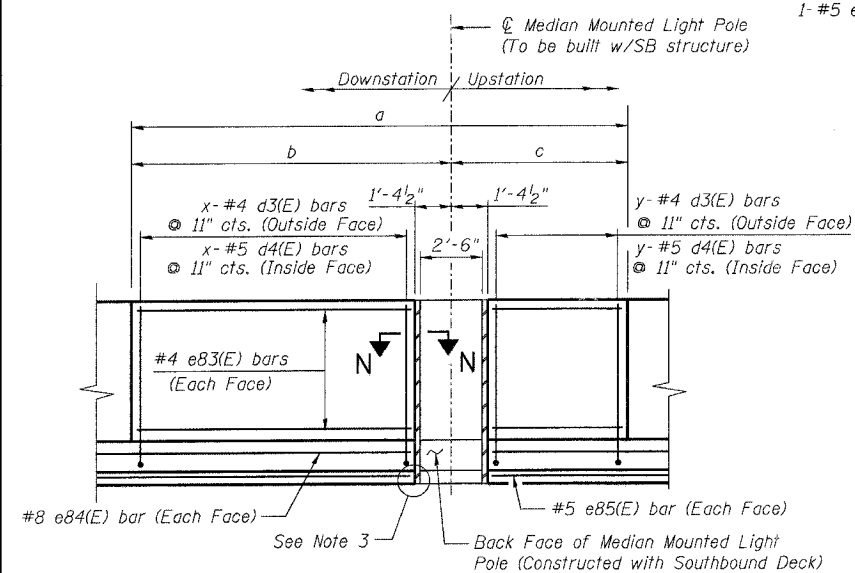
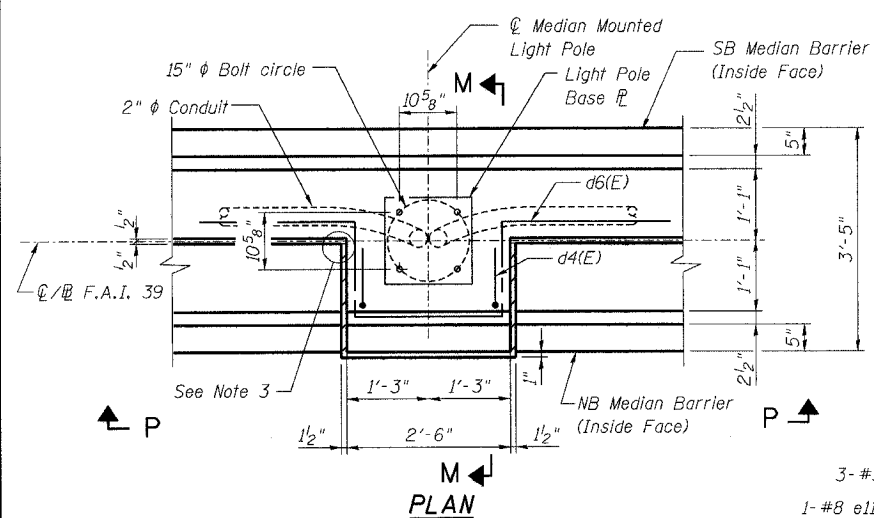
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8/30/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

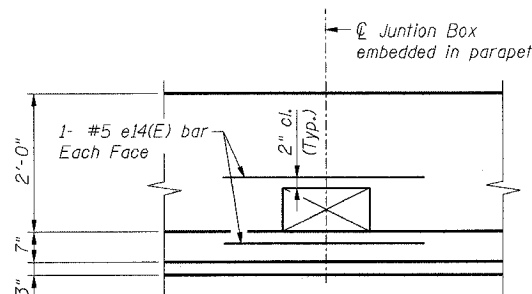
ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	SHEET 192	SHEET NO. 169
FED. ROAD DIST. NO. 7				ILLINOIS FED. AID PROJECT-

Contract # 66586



VIEW P-P

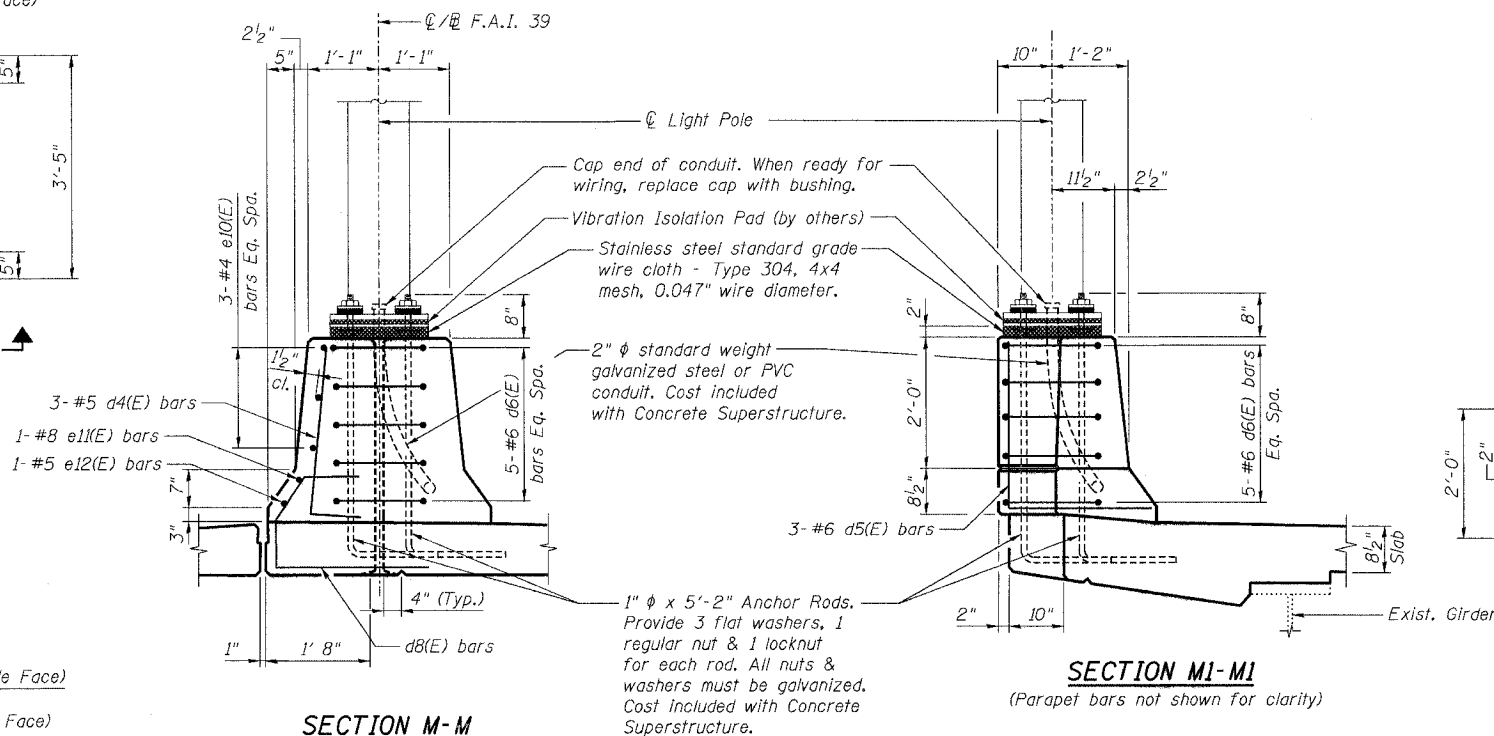
(Longitudinal Reinforcement shown is for Light Standard at Sta. 822+04.83)
(Cut NB longitudinal reinforcement as necessary at blockouts)



DETAIL AT JUNCTION BOX
(54 Required)

Notes:
See Electrical Plans for details of the embedded conduit and junction boxes. Space horizontal "e" bars to miss Junction Box.

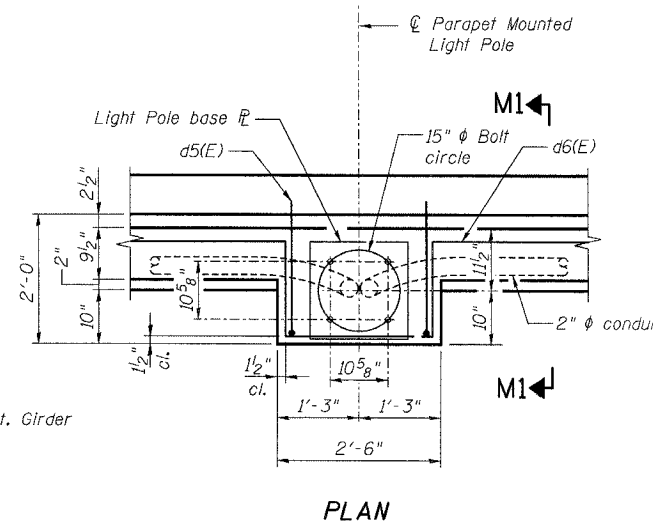
DESIGNED -	AJK
CHECKED -	KWS
DRAWN -	AR
CHECKED -	MRB



SECTION M-M
(Parapet bars not shown for clarity)
MEDIAN MOUNTED LIGHT POLE

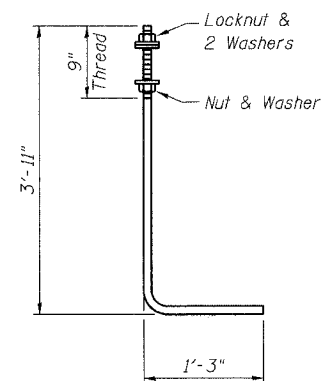
SECTION M1-M1
(Parapet bars not shown for clarity)

PARAPET MOUNTED LIGHT POLE
(Spans 1 thru 8 and 35 only)

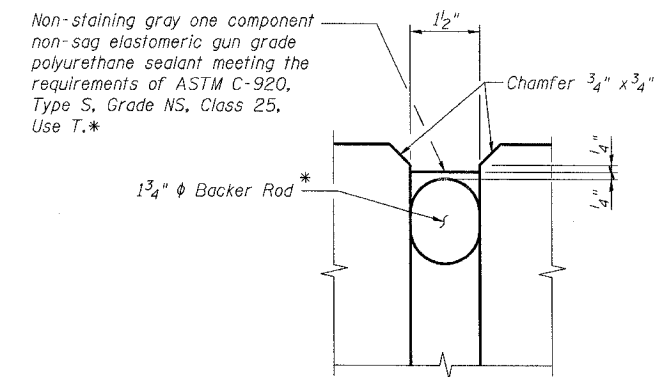


MEDIAN MOUNTED LIGHT POLE DATA

Location	a	b	c	x	y
822+04.83	19'-2"	4'-0"	15'-2"	4	16
824+67.08	19'-5 1/2"	15'-5 1/2"	4'-0"	16	4
827+33.00	19'-2"	8'-0"	11'-2"	8	11
830+01.29	19'-4 3/4"	8'-0"	11'-4 3/4"	8	12
832+69.50	15'-0"	4'-6"	10'-6"	4	11
835+32.08	19'-5 1/2"	13'-5 1/2"	6'-0"	14	6
837+96.00	19'-2"	4'-0"	15'-2"	4	16
840+64.29	19'-4 5/8"	4'-0"	15'-4 5/8"	4	16
843+25.67	19'-2"	15'-2"	4'-0"	16	4
845+91.00	19'-5 1/2"	8'-0"	11'-5 1/2"	8	12
848+56.00	22'-0"	16'-0"	6'-0"	17	6
851+24.10	19'-7 1/2"	4'-0"	15'-7 1/2"	4	16
853+85.33	19'-4"	6'-0"	13'-4"	6	14
856+52.09	18'-11 3/8"	14'-11 3/8"	4'-0"	16	4
859+16.65	18'-7 7/8"	6'-0"	12'-7 7/8"	6	13
867+16.42	18'-7"	14'-7"	4'-0"	15	4
869+83.57	18'-9 1/2"	4'-0"	14'-9 1/2"	4	15
872+46.33	19'-2"	15'-2"	4'-0"	16	4
875+11.75	19'-8 1/4"	7'-10 1/2"	11'-9 3/4"	8	12
877+75.35	18'-3 1/4"	8'-3 1/4"	10'-0"	8	10



1" φ ANCHOR ROD
(ASTM F 1554 Grade 105)



SECTION N-N

*Cost included with Concrete Superstructure

NOTES:

- Reinforcement bars designated (E) shall be epoxy coated.
- For Lighting details see lighting plans.
- Where backer rod and sealant meet the Preformed Joint Seal, apply sealant such that a water tight bond is formed.
- Work this sheet with sheets 166 thru 168.

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Job # 3856

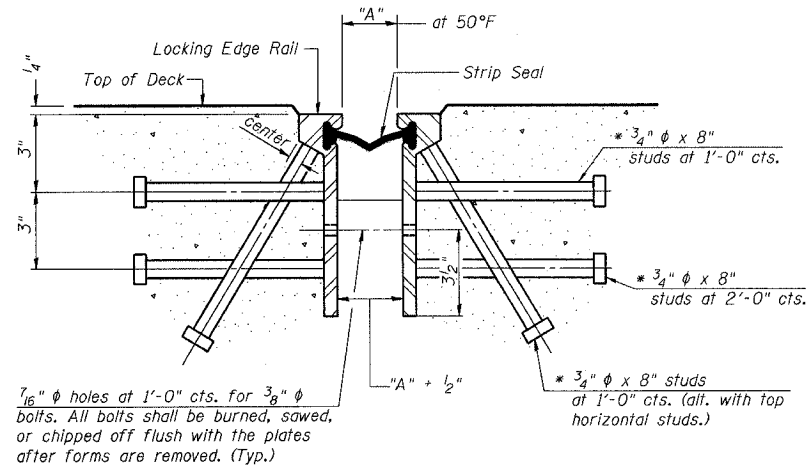
DECK DETAILS - 5 OF 5
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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 9/21/2006

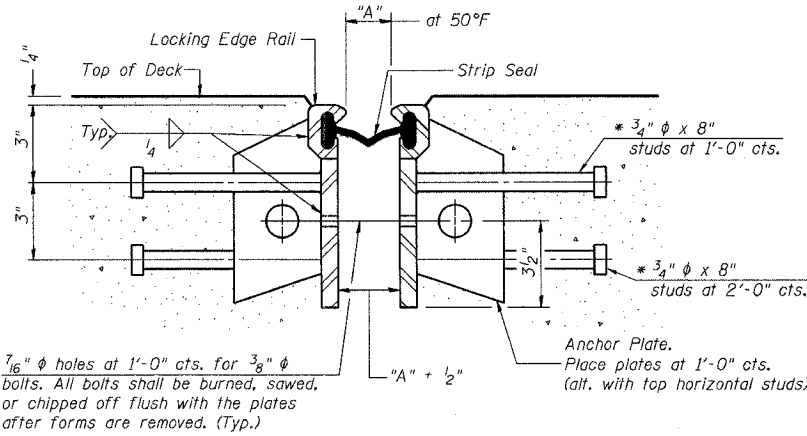
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	JOINT SHEETS	SHEET	SHEET NO. 170 313 SHEETS
F.A.I. 39	50-4B	LASALLE	193		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

Contract # 66586



SECTION THRU ROLLED RAIL EXP. JOINT



SECTION THRU WELDED RAIL EXP. JOINT

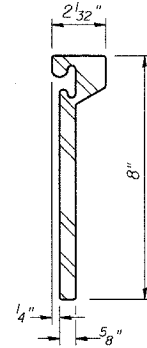
* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.

Location	"A" at 50°F	Length	Rolled Rail Option		Welded Rail Option	
			No. of Studs	No. of Studs	No. of Anchor Plates	
S. Abut. SB	2"	41'-0"	210	130	80	
S. Abut. NB	2"	41'-0"	210	130	80	
N. Abut. SB	2"	47'-8 1/2"	240	148	92	
N. Abut. NB	2"	47'-8 1/2"	240	148	92	
Tied Arch Span SB**	2"	41'-0"	210	130	80	
Tied Arch Span NB**	2"	41'-0"	210	130	80	

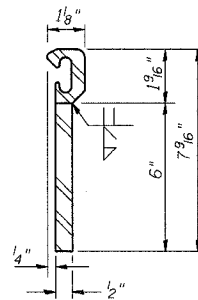
** At 4 locations

BILL OF MATERIAL

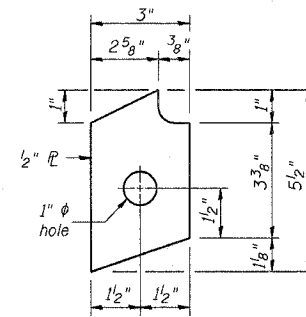
Item	Unit	Total
Preformed Joint Strip Seal 4"	Foot	506



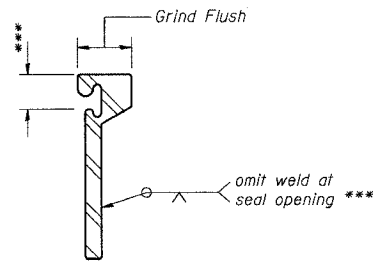
ROLLED (EXTRUDED) RAIL



WELDED RAIL

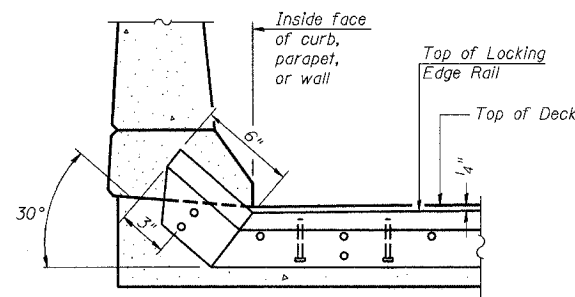


ANCHOR PLATE
(for welded rail)

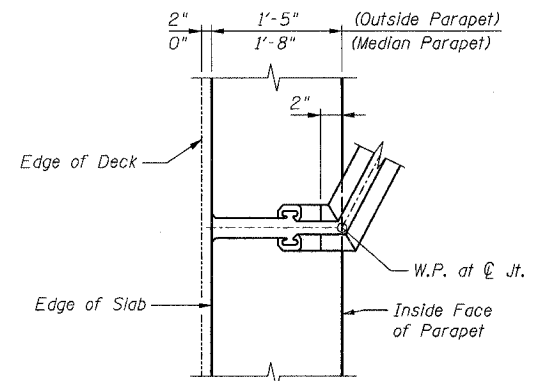


LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue.



AT CURB, PARAPET OR WALL



PLAN - SLAB BREAK AT PARAPET
(N. Abut.)

TYPICAL END TREATMENTS

NOTES:

- The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the Locking Edge Rails.
- The height and thickness of the Locking Edge Rails shown are minimum dimensions. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed.
- Locking Edge Rails may be spliced at slope discontinuities and stage construction joints.
- The manufacturer's recommended installation methods shall be followed.
- The strip seal joint shall have a rated movement equal to 4".

STRIP SEAL EXPANSION JOINT
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)

F.A.I. ROUTE 39 SEC. (50-4B) BR

LASALLE COUNTY

STATION 863+16.00

STRUCTURE NO. 050-0191 (SB & NB)

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312-665-0450
Job # 3856

DESIGNED -	MRB
CHECKED -	HMA
DRAWN -	RMG
CHECKED -	MRB

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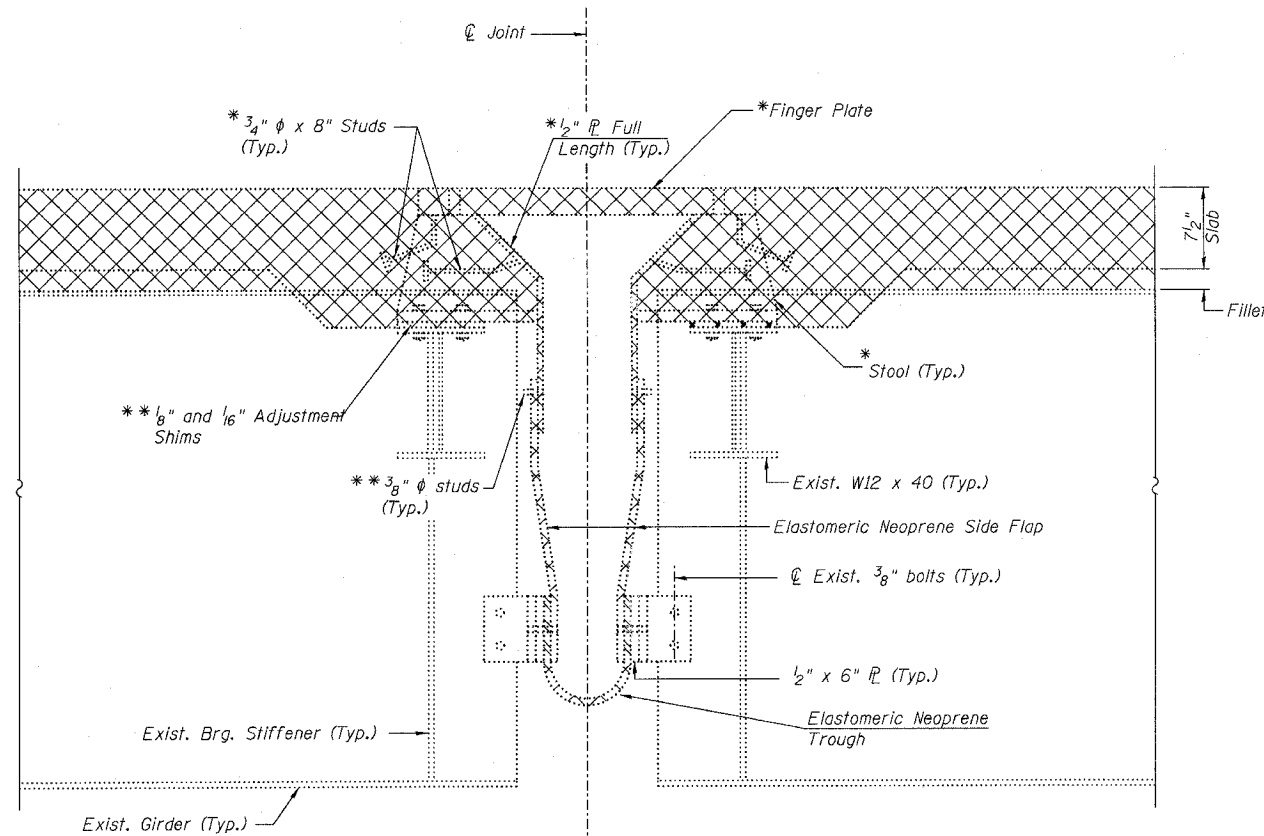
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8/30/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

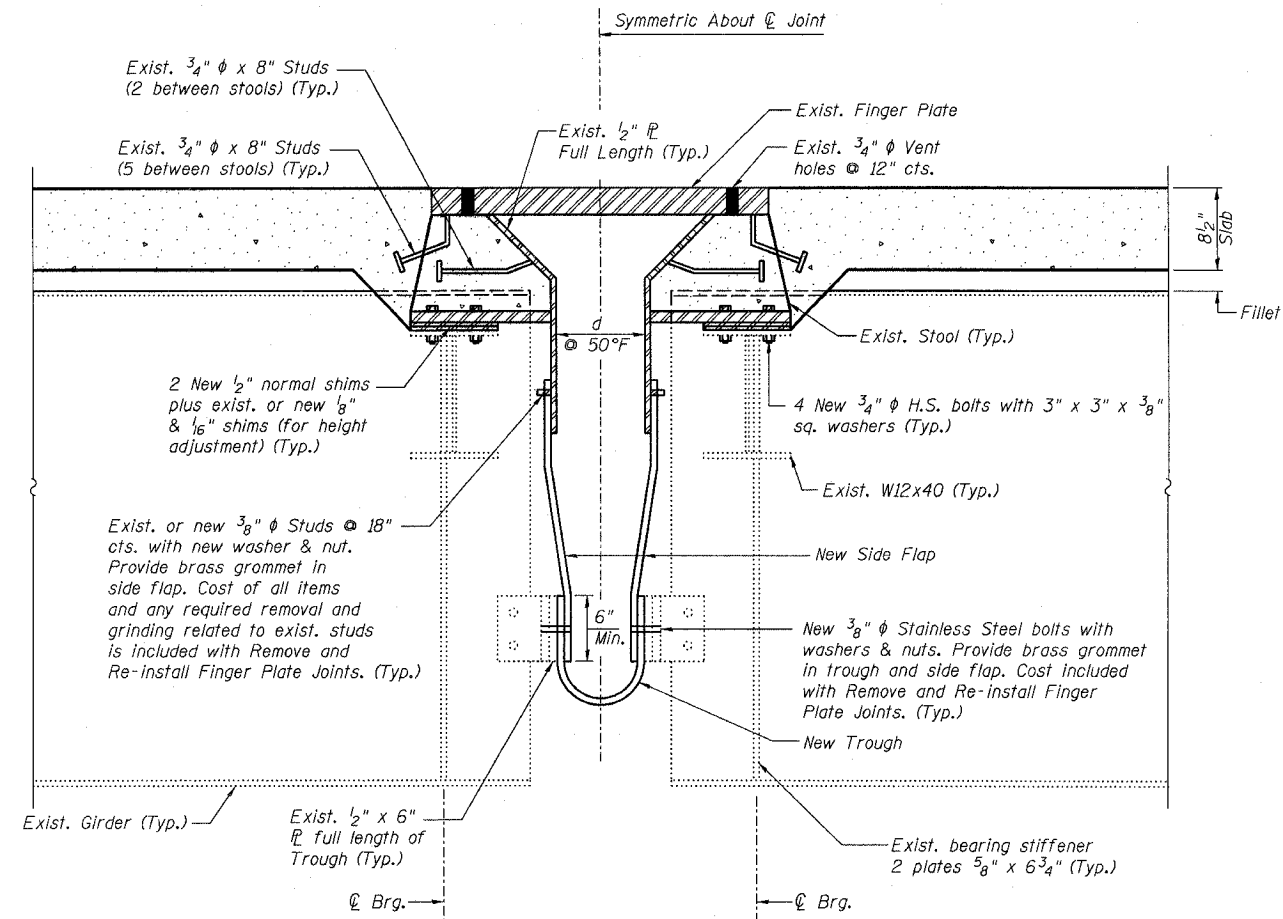
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. 171 313 SHEETS
F.A.I. 39	50-4B	LASALLE	194		
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT	

Contract # 66586



EXISTING FINGER PLATE JOINT REMOVAL

* Indicates remove from deck and reuse
** Indicates reuse if in good condition



FINGER PLATE JOINT REINSTALLATION

(Weight of new 1/2" Shims Required = 1,640 lbs per joint, 12 Thus)
(Cost of shims shall be included with Remove and Re-install Finger Plate Joints)

EXISTING AND PROPOSED JOINT DIMENSIONS

Location	Approximate Expansion (in.)	"d"=(EXP + 3") @ 50°F (in.)
Pier #2	3.375	6.375
Pier #6	3.869	6.869
Pier #10	3.869	6.869
Pier #14	3.375	6.375
Pier #17	3.375	6.375
Pier #21	3.869	6.869
Pier #25	3.375	6.375
Pier #28	2.750	5.750
Pier #31	2.750	5.750
Pier #38	2.750	5.750
Pier #41	2.750	5.750
Pier #43	1.250	4.250

NOTES:

- Cross Hatched areas indicate removal of concrete slab, finger plate expansion joint, stools, trough, and side flap.
- Existing finger plate and components shall be cleaned, painted and incorporated into the new concrete to match the top of proposed deck cross section.
- Reinforcement bars in slab not shown for clarity.
- All steel for shims shall be AASHTO M270 Grade 36.
- See Special Provisions "Fabric Reinforced Elastomeric Trough" for the new Side Flap & Trough requirements. The length of the side flap should be field verified in order to accommodate the proposed top of slab elevations.

DESIGNED -	AJK
CHECKED -	MRB
DRAWN -	KHH
CHECKED -	MTH

LIN ENGINEERING, LTD.
210 W. Chestnut
Chatham, Illinois 62629
(217) 483-4168
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Chicago, Illinois 60601
312-565-0450
Job # 3856

**FINGER PLATE EXPANSION JOINT
DETAILS - AT TYPICAL PIERS**
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)**
**F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00**
STRUCTURE NO. 050-0191 (SB & NB)

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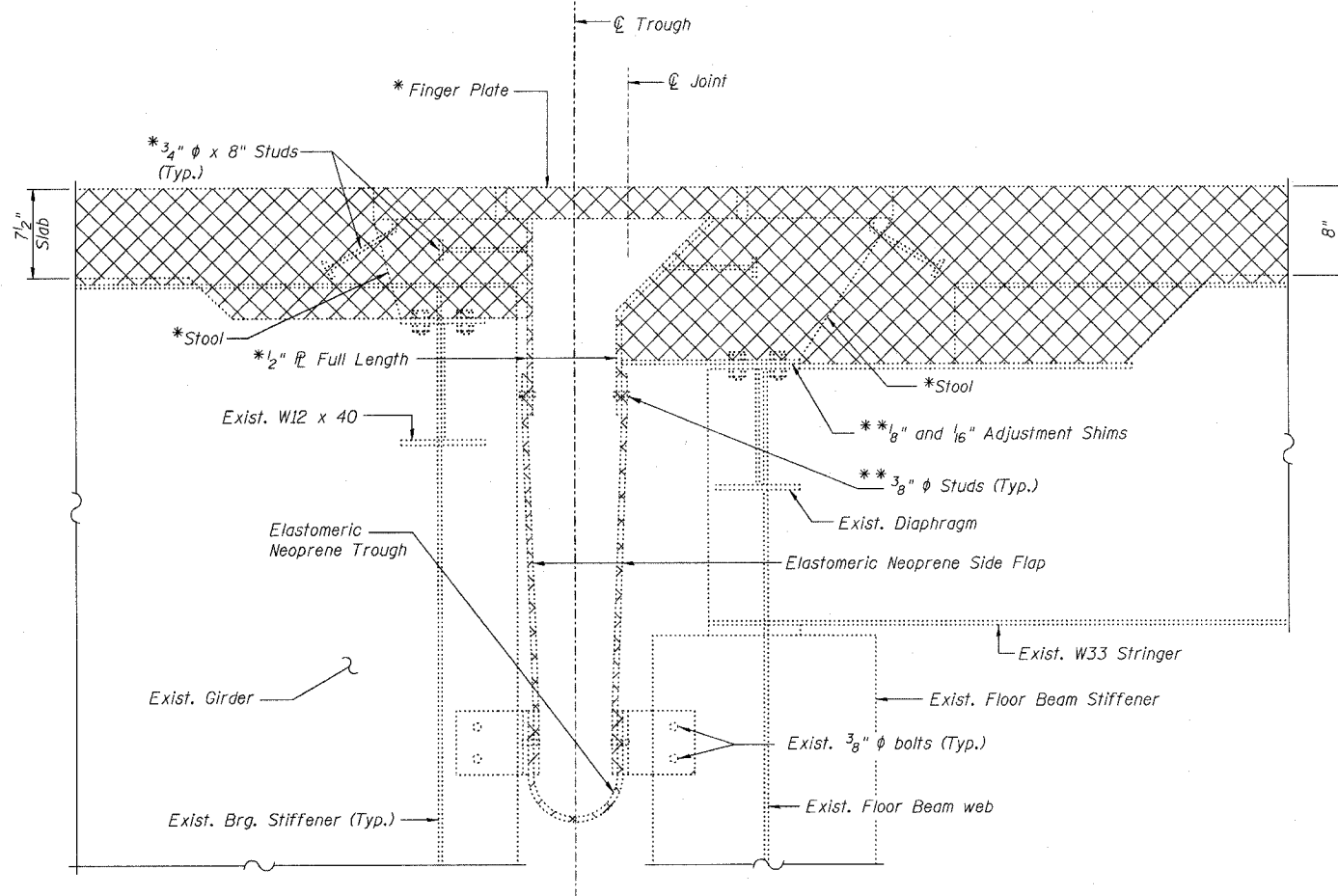
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

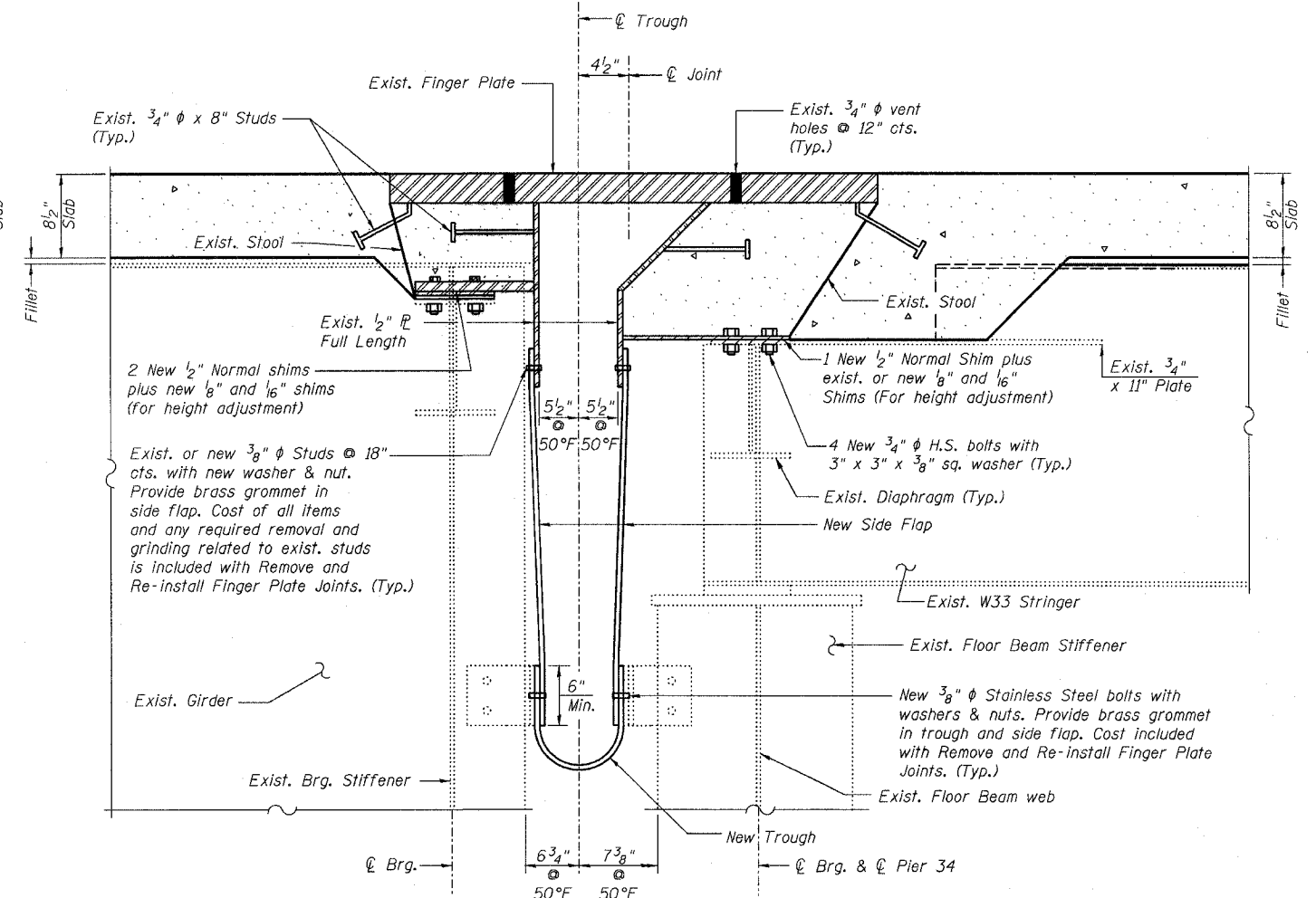
ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	SHEET 195	SHEET NO. 172 313 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT-		

Contract # 66586



EXISTING FINGER PLATE JOINT REMOVAL
(Looking West near edge of Deck)

* Indicates remove from deck and reuse
** Indicates reuse if in good condition



FINGER PLATE JOINT REINSTALLATION

(Looking West near edge of Deck)
(Weight of new 1/2" Shims Required = 1,230 lbs)
(Cost of Shims shall be included with Remove and Re-install Finger Plate Joints)

NOTES:

1. Cross Hatched areas indicate removal of concrete slab, finger plate expansion joint, stools, trough, and side flap.
2. Existing finger plate and components shall be cleaned, painted and incorporated into the new concrete to match the top of proposed deck cross section.
3. Reinforcement bars in slab not shown for clarity.
4. All steel for shims shall be AASHTO M270 Grade 36.
5. See Special Provisions "Fabric Reinforced Elastomeric Trough" for the new Side Flap & Trough requirements. The length of the side flap should be field verified in order to accommodate the proposed top of slab elevations.

DESIGNED -	AJK
CHECKED -	MRB
DRAWN -	KHH
CHECKED -	MTH

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312-565-0450
Job # 3856

**FINGER PLATE EXPANSION JOINT
DETAILS - AT PIER 34
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)**

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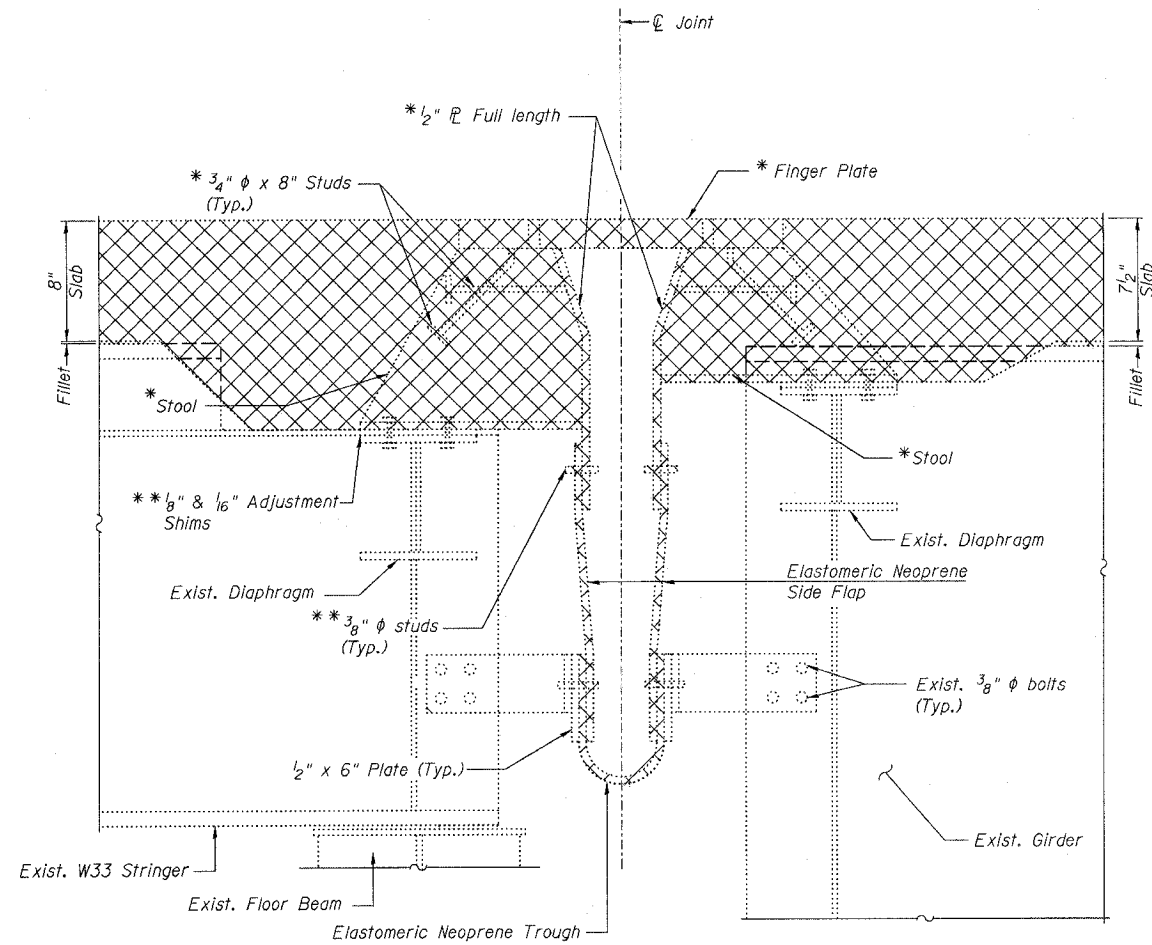
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 173 313 SHEETS
F.A.I. 39	50-4B	LASALLE		196	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

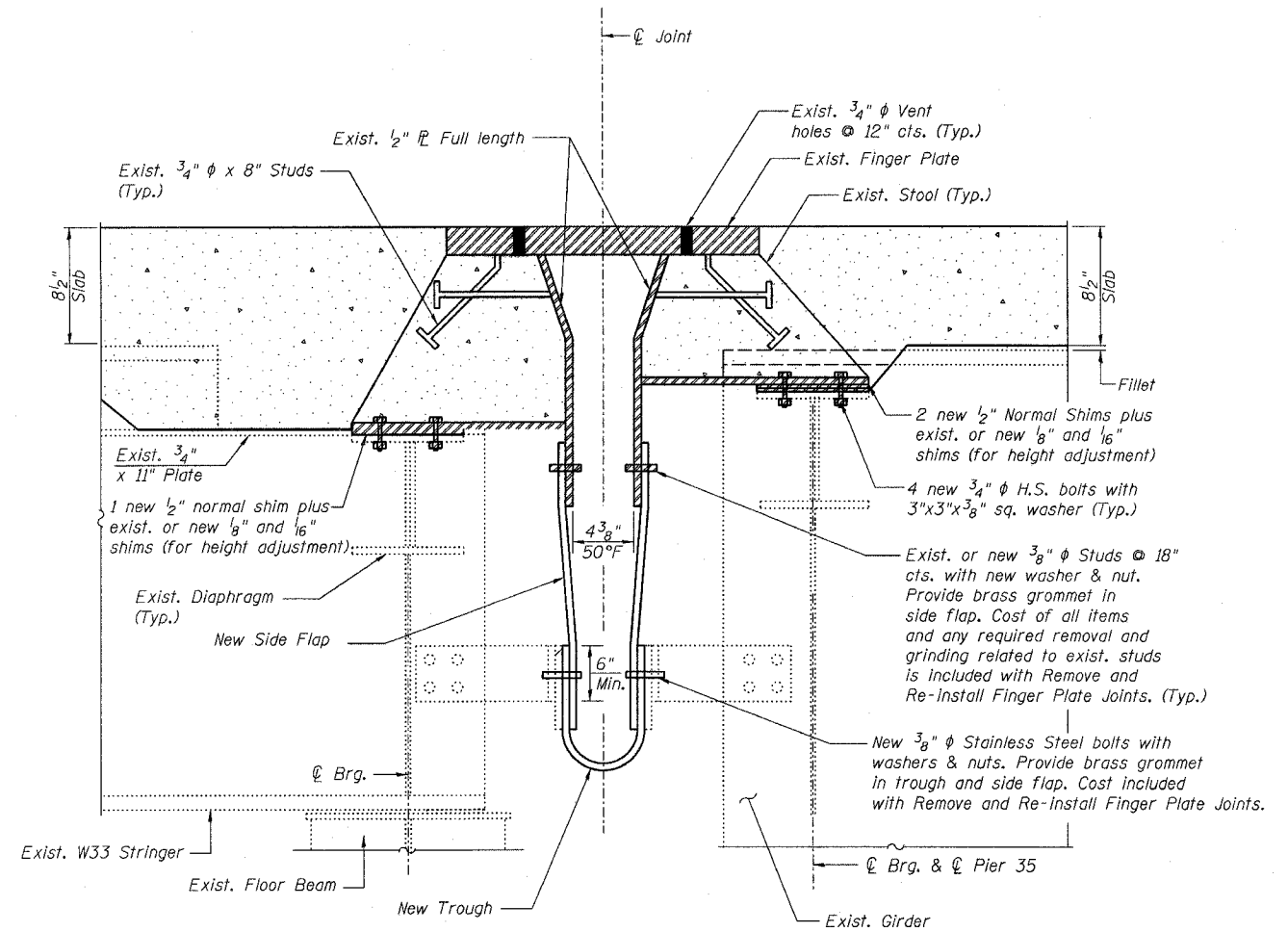
Contract # 66586



EXISTING FINGER PLATE JOINT REMOVAL

(Looking West near C F.A.I. 39)

* Indicates remove from deck and reuse
** Indicates reuse if in good condition



FINGER PLATE JOINT REINSTALLATION

(Looking West near C F.A.I. 39)
(Weight of New 1/2" Shims Required = 1,230 lbs)
(Cost of shim to be included with Remove and Re-install Finger Plate Joints)

NOTES:

1. Cross Hatched areas indicate removal of concrete slab, finger plate expansion joint, stools, trough, and side flap.
2. Existing finger plate and components shall be cleaned, painted and incorporated into the new concrete to match the top of proposed deck cross section.
3. Reinforcement bars in slab not shown for clarity.
4. All steel for shims shall be AASHTO M270 Grade 36.
5. See Special Provisions "Fabric Reinforced Elastomeric Trough" for the new Side Flap & Trough requirements. The length of the side flap should be field verified in order to accommodate the proposed top of slab elevations.

DESIGNED -	AJK
CHECKED -	MRB
DRAWN -	KHH
CHECKED -	MTH

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Chicago, Illinois 60601
312-565-0450
Job # 3856

**FINGER PLATE EXPANSION JOINT
DETAILS - AT PIER 35
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)**

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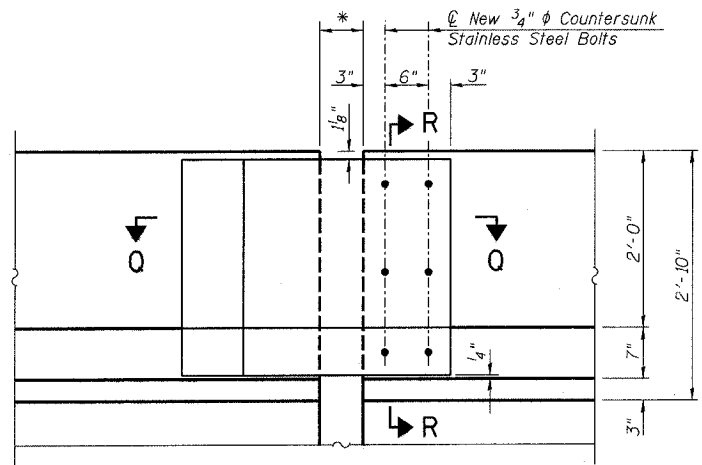
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DEPARTMENT OF TRANSPORTATION

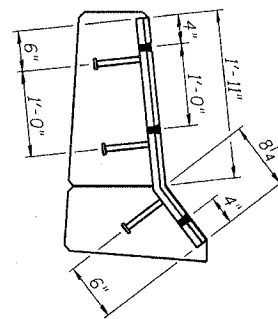
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F.A.I. 39	50-4B	LASALLE	197	174
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

Contract # 66586

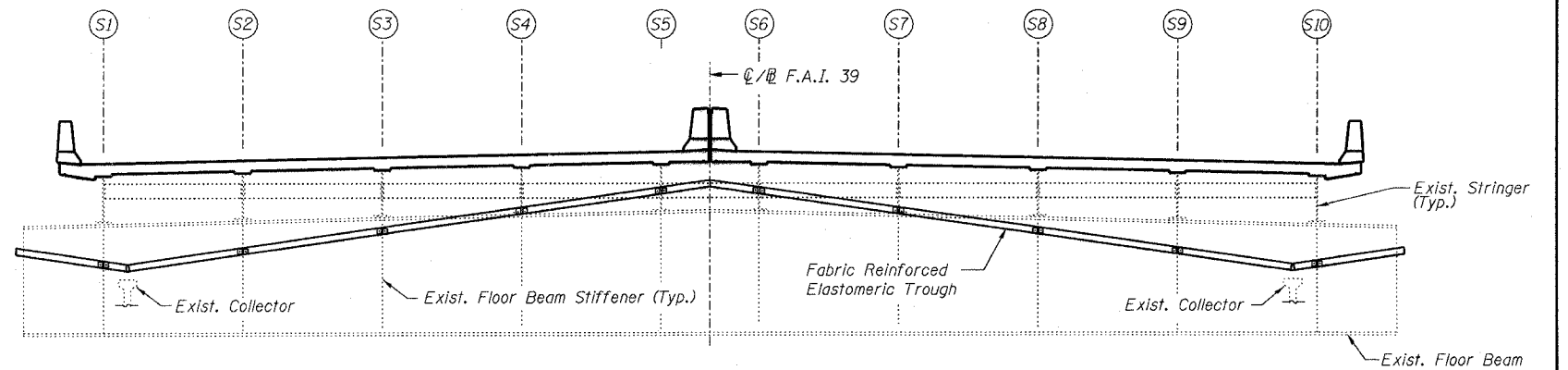
SHEET NO. 174
313 SHEETS



INSIDE ELEVATION - PARAPET SLIDING PLATE

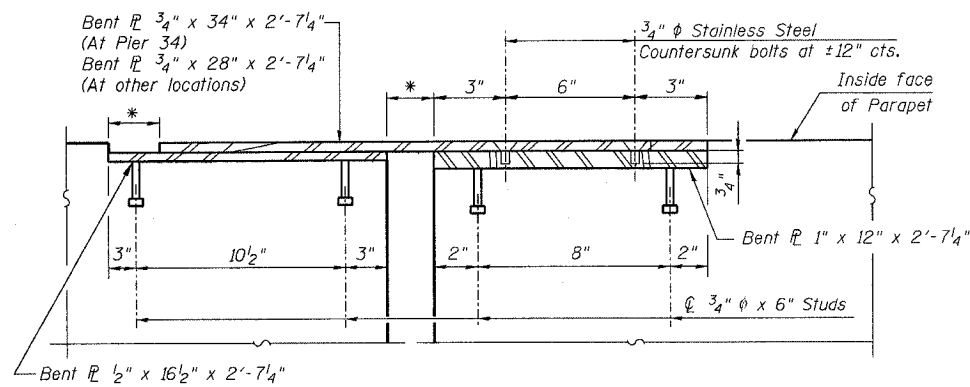


SECTION R-R



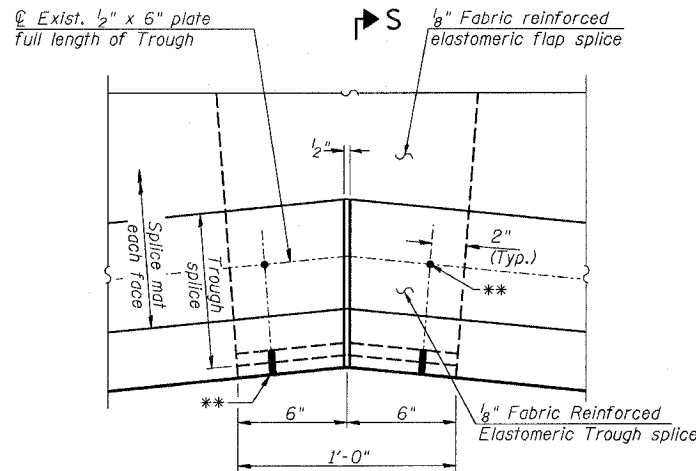
TROUGH ELEVATION

(At Pier 34 - Looking Upstation, Pier 35 similar)
(Side Flap not shown for clarity)



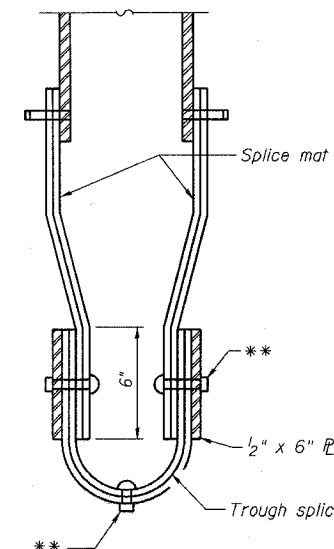
SECTION Q-Q

(Expansion Plate and Embedded Plates shall be galvanized according to AASHTO M111.)



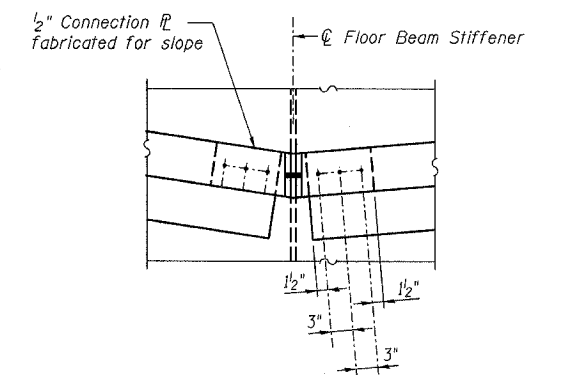
TROUGH SPLICE DETAIL

(Where applicable)



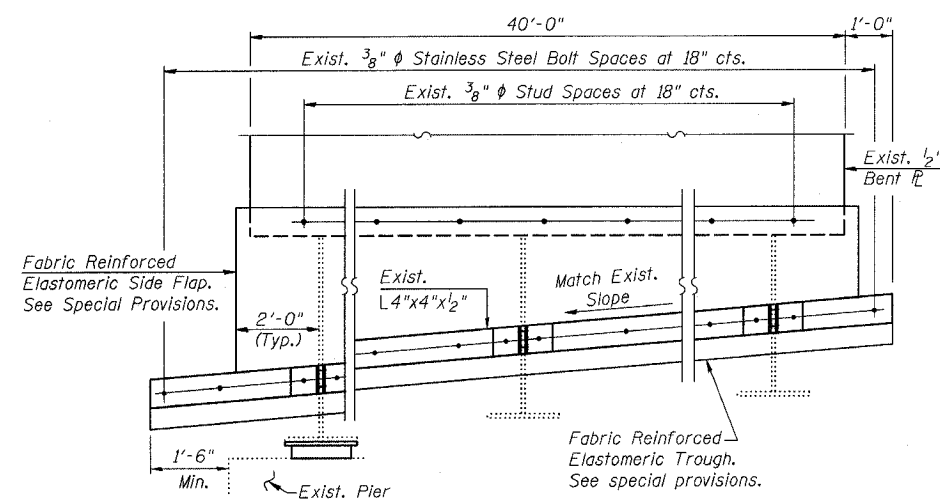
SECTION S-S

** 3/8" ϕ Stainless Steel bolts w/washers and nuts. Provide brass grommet in trough.



CONNECTION R DETAIL AT COLLECTOR

(Arch side only)



TROUGH DETAIL

DESIGNED -	AJK
CHECKED -	MRB
DRAWN -	KHH
CHECKED -	MTH

NOTES:

- All steel for parapet plates shall be AASHTO M270 Grade 36.
- The cost of parapet plates shall be included with Furnishing and Erecting Structural Steel.

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Job # 3856

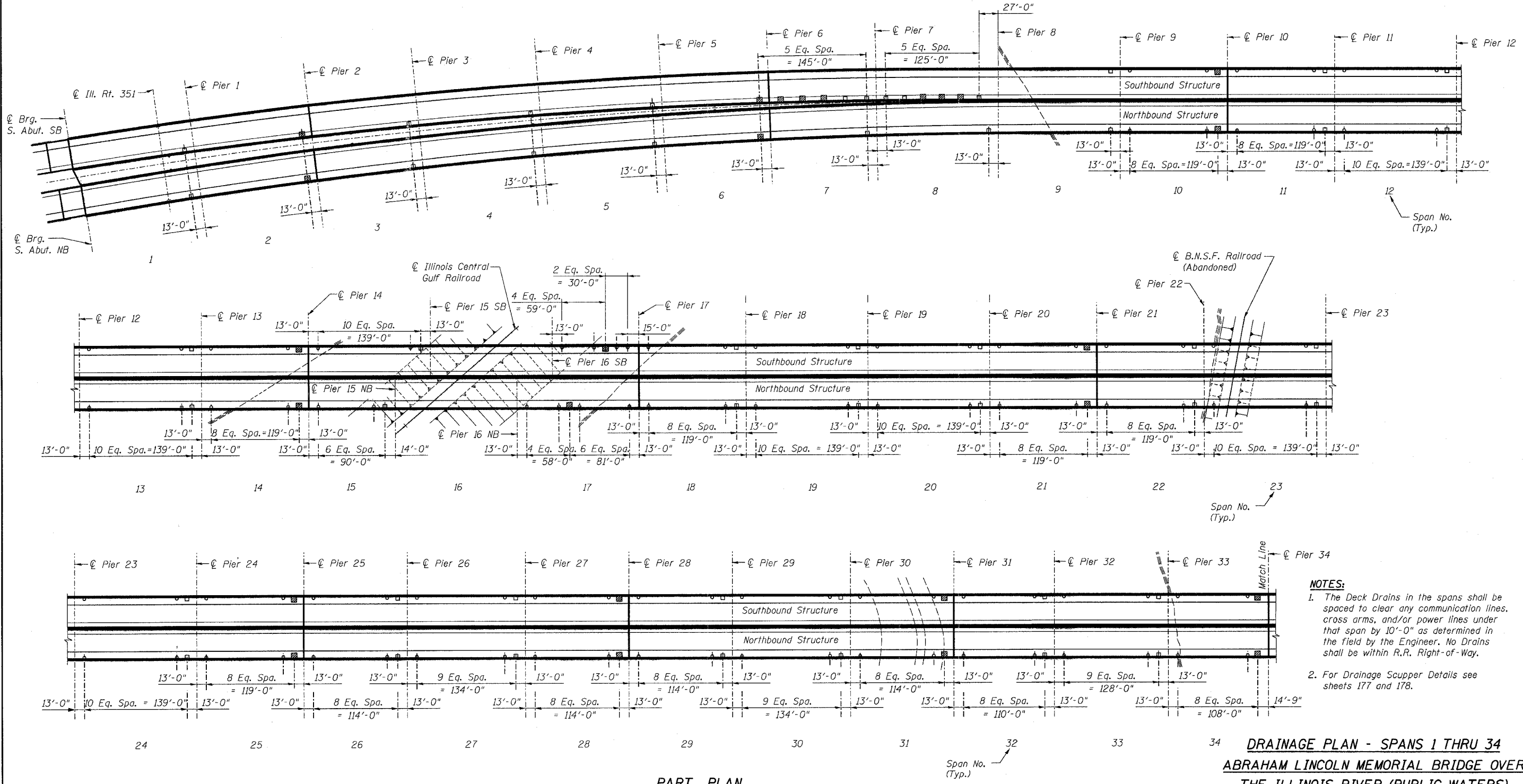
FINGER PLATE EXPANSION JT. DETAILS
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	TOTAL SHEETS 198	SHEET NO. 175
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

Contract # 66586



- NOTES:**
- The Deck Drains in the spans shall be spaced to clear any communication lines, cross arms, and/or power lines under that span by 10'-0" as determined in the field by the Engineer. No Drains shall be within R.R. Right-of-Way.
 - For Drainage Scupper Details see sheets 177 and 178.

DESIGNED -	MRB
CHECKED -	HMA
DRAWN -	VH
CHECKED -	HMA

- LEGEND**
- Indicates DS-11 Drainage Scupper.
 - ▣ Indicates DS-12M10 Drainage Scupper.
 - Indicates 6" φ Tubular Floor Drain.

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Job # 3856

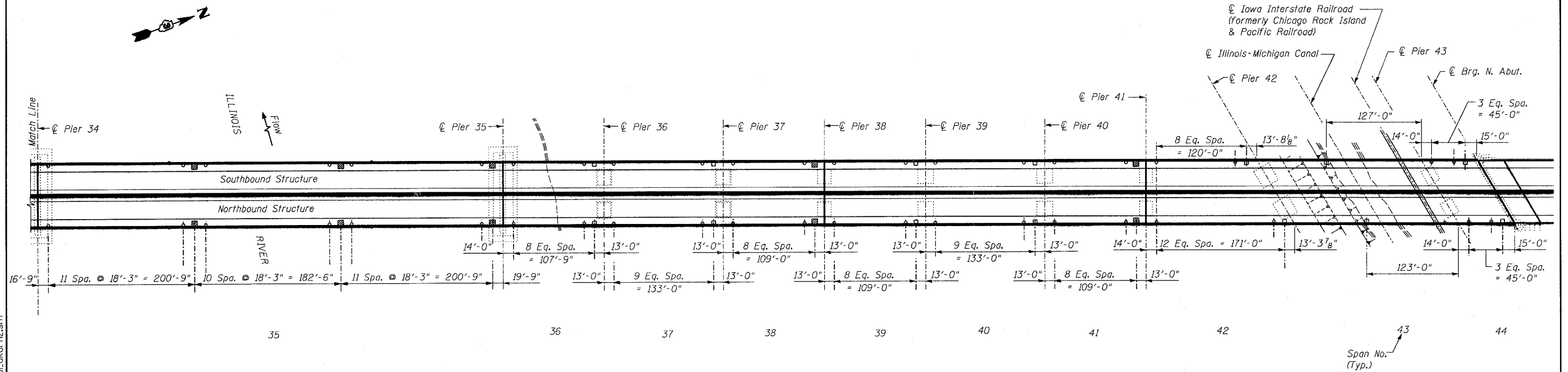
DRAINAGE PLAN - SPANS 1 THRU 34
ABRAHAM LINCOLN BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.I. 39	SECTION 50-4B	COUNTY LASALLE	TOTAL SHEETS 199	SHEET NO. 176
FED. ROAD DIST. NO. 7				ILLINOIS FED. AID PROJECT

Contract # 66586



PART PLAN

LEGEND

- Indicates DS-11 Drainage Scupper.
- ▨ Indicates DS-12M10 Drainage Scupper.
- Indicates 6" ϕ Tubular Floor Drain.

NOTES:

1. The Deck Drains in the spans shall be spaced to clear any communication lines, cross arms, and/or power lines under that span by 10'-0" as determined in the Field by the Engineer. No Drains shall be within R.R. Right-of-Way.
2. For Drainage Scupper Details see sheets 177 and 178.

DRAINAGE PLAN - SPANS 35 THRU 44
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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Engineers - Surveyors - Planners
206 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-585-0450
Job # 3856

DESIGNED	MRB
CHECKED	HMA
DRAWN	VH
CHECKED	HMA

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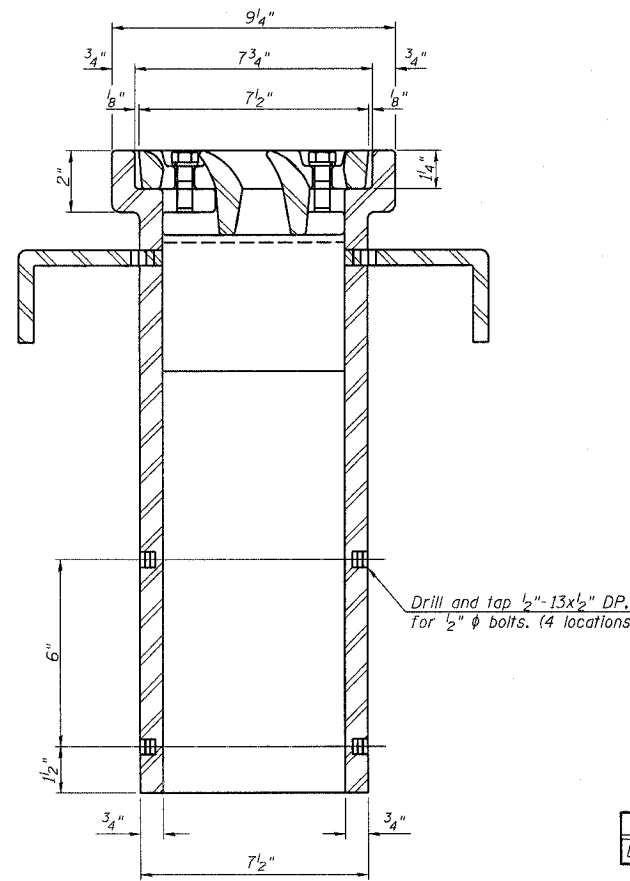
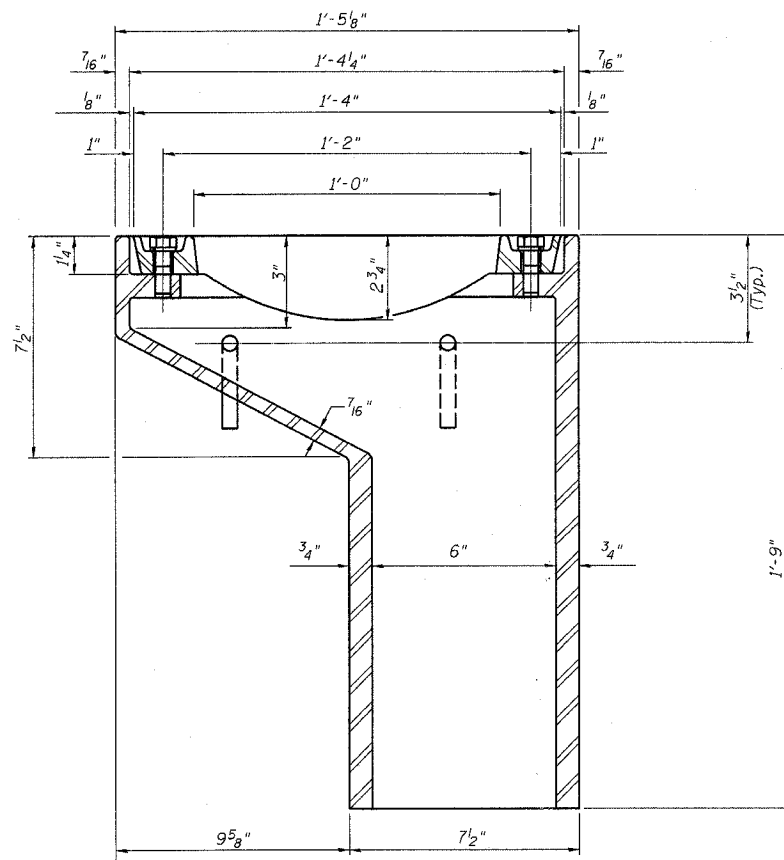
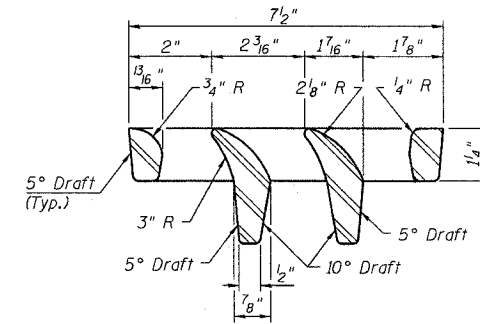
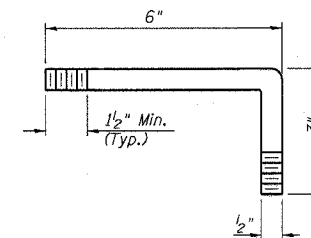
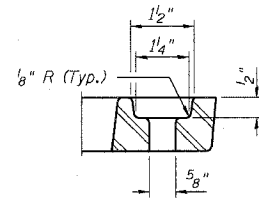
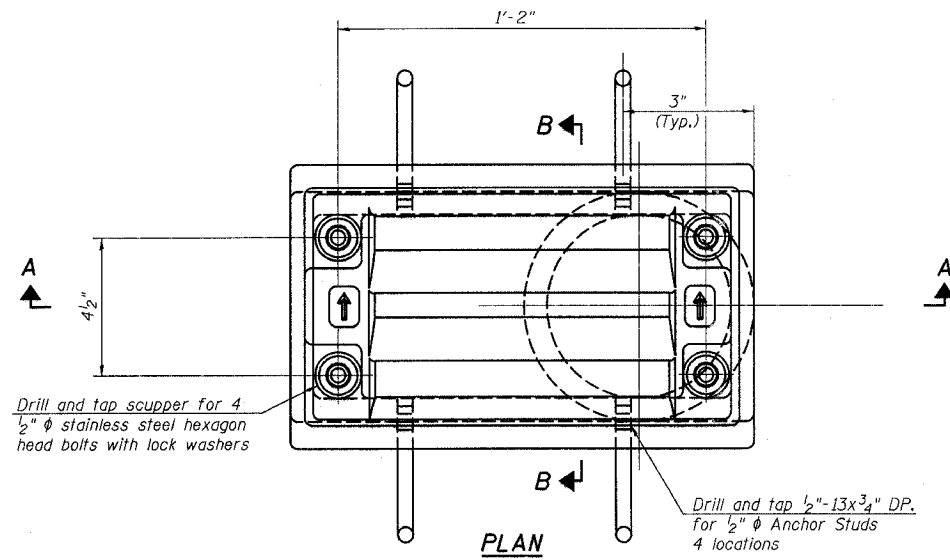
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET
F.A.I. 39	50-4B	LASALLE	200	313 SHEETS
FED. AID DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

Contract # 66586



NOTES:

- All cast iron parts shall be gray iron conforming to the requirements of AASHTO M 105, Class 35B.
- Bolts, anchor studs, washers and nuts shall conform to the requirements of ASTM A 307 and shall be galvanized according to AASHTO M 232.
- The grate, frame and downspout shall be galvanized according to AASHTO M 111 and ASTM A 385. Downspouts located on the exterior side of a painted steel fascia beam shall be painted with the finish coat specified for the exterior side of the fascia beam.
- As an alternate, bolts, anchor studs, washers and nuts may be stainless steel according to Article 1006.29(d) of the Standard Specifications.
- Structural steel weldments of equal sections and of the same configuration may be substituted for cast iron. Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval.
- The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.
- Cost of the Grate, Frame, Downspout, Anchor Studs, Bolts, Washers and Nuts including complete installation of the scupper shall be paid for at the contract unit price each for Drainage Scupper, DS-II.

BILL OF MATERIAL

Item	Unit	Quantity
Drainage Scupper, DS-II	Each	63

DRAINAGE SCUPPER DETAILS, DS-II
ABRAHAM LINCOLN MEMORIAL BRIDGE OVER
THE ILLINOIS RIVER (PUBLIC WATERS)
F.A.I. ROUTE 39 SEC. (50-4B) BR
LASALLE COUNTY
STATION 863+16.00
STRUCTURE NO. 050-0191 (SB & NB)

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312-565-0450
Job # 3856

DESIGNED -	MRB
CHECKED -	HMA
DRAWN -	RMG
CHECKED -	MRB

8-11-02

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