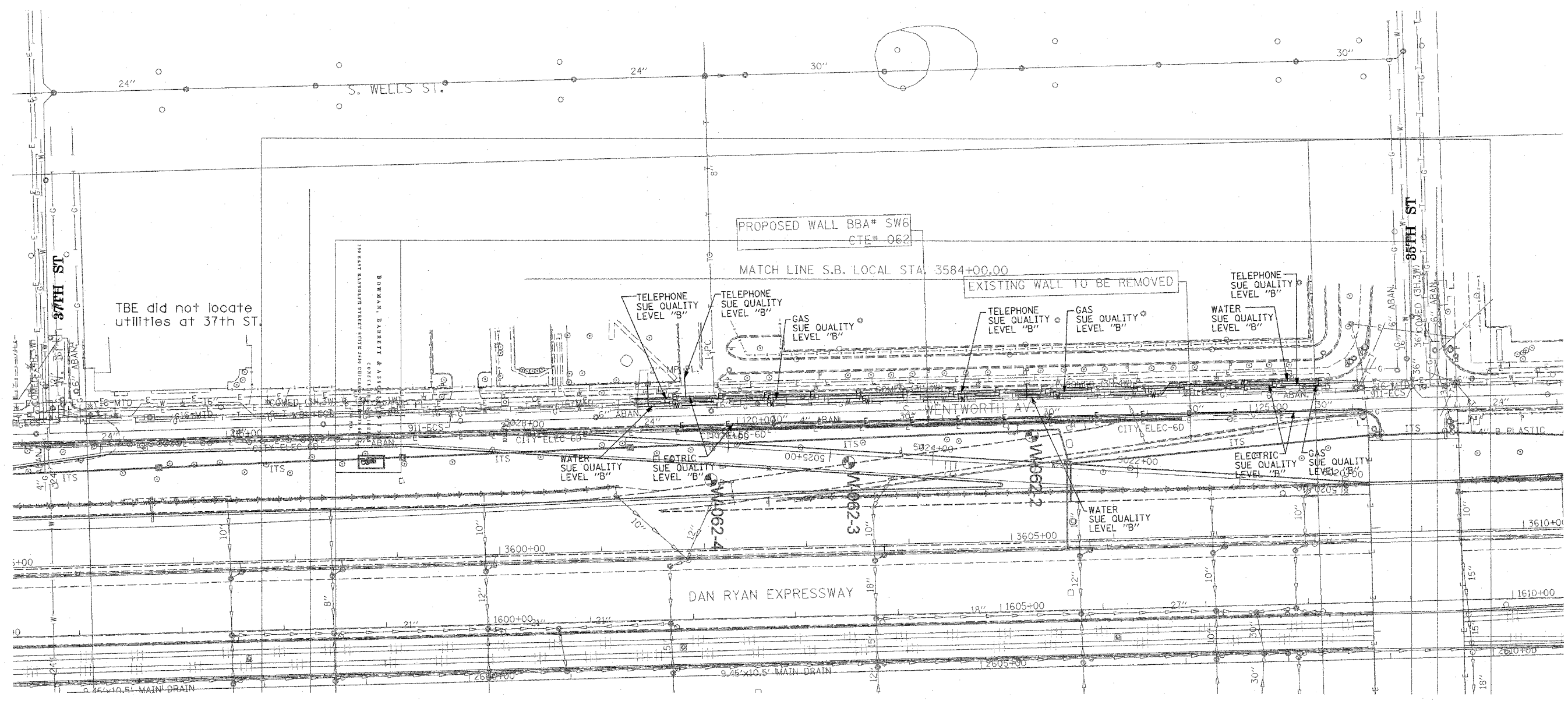


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(151&177 & 181&6	Cook	588	201
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



TBE did not locate utilities at 37th St.

TBE could not locate buried utilities directly beneath the expressway due to traffic and safety issues.




TBE GROUP, INC.
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 * PLANNING * UTILITY ENGINEERING * LOCATING
 SOUTHERN REGION: FL, GA, SC, NC
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY
 PA, VA, CANADA
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

IL09500164, 167, 168, 170, 171, 179, 180, 182, 204,
 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230, 232
 TBE SUE PAGE NO: 34 of 36
 Checked by: *[Signature]*
 SUE Quality Level "A" : Test Holes
 SUE Quality Level "B" : Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—		CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—W—	—W—	WATER
—G—	—G—	GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
⊙		TEST HOLE

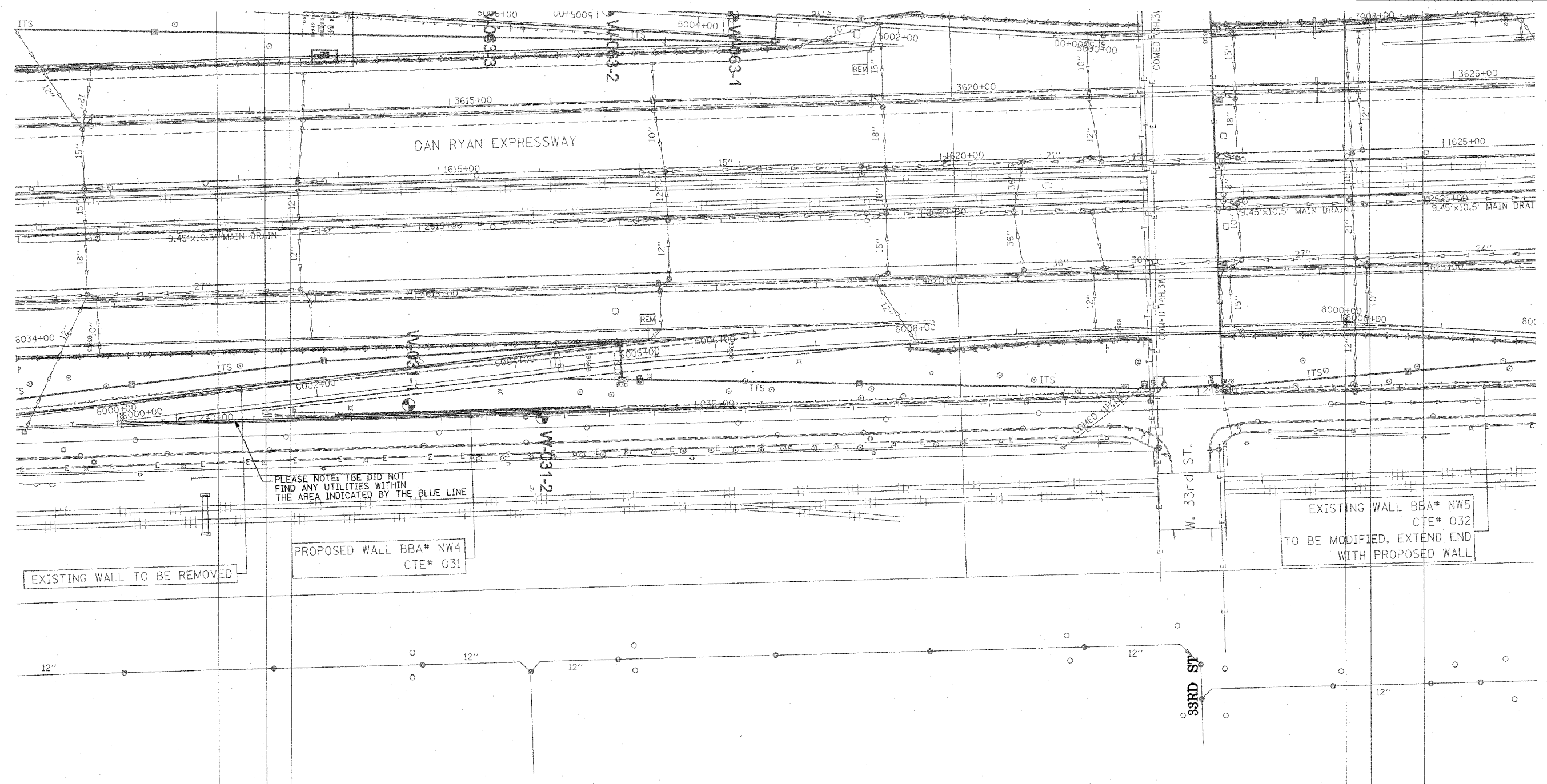
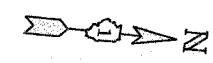
Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others.


 205 W. WACKER DRIVE
 SUITE 1020
 CHICAGO, IL 60606
 (312) 704-1970

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUE Investigation of Underground Utilities
 I-57, to 69th Street
 Contract Number: 62590, 62592, 62594
 SOL "B" DATE : 7/22/04
 DRAWN BY : KLC
 SCALE : 1" = 50'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0516J.1717 & 1818-6	Cook	588	202
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PLEASE NOTE: TBE DID NOT FIND ANY UTILITIES WITHIN THE AREA INDICATED BY THE BLUE LINE

EXISTING WALL TO BE REMOVED

PROPOSED WALL BBA# NW4 CTE# 031

EXISTING WALL BBA# NW5 CTE# 032 TO BE MODIFIED, EXTEND END WITH PROPOSED WALL



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IL09500164, 167, 168, 170, 171, 179, 180, 182, 204,
 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230, 232
 TBE SUE PAGE NO: 35 of 36
 Checked by: *[Signature]*
 SUE Quality Level "A" : Test Holes
 SUE Quality Level "B" : Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—	—COCE—	CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—W—	—W—	WATER
—G—	—G—	GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
⊙	⊙	TEST HOLE

Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others.

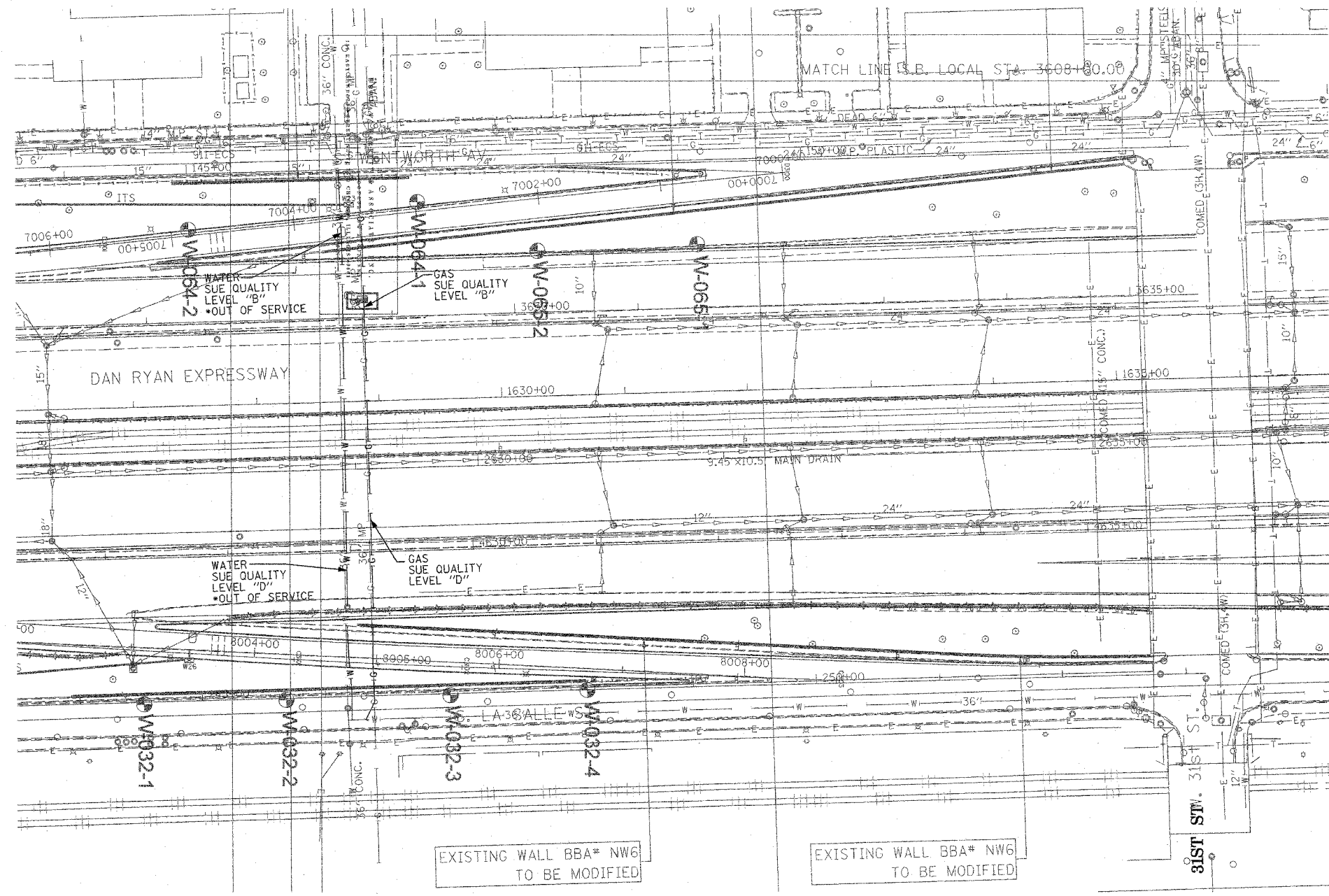
TBE could not locate buried utilities directly beneath the expressway due to traffic and safety issues.

205 W. WACKER DRIVE
 SUITE 1020
 CHICAGO, IL 60606
 (312) 704-1970

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUE Investigation of Underground Utilities
 I-90/I-94 Dan Ryan Expressway from I-57 to 69th Street
 Contract Number: 62590, 62592, 62594
 SOL "B" DATE : 7/22/04
 DRAWN BY : KLC
 SCALE : 1" = 50'


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(0516,1717 & 1818)-6	Cook	588	203
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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 * PLANNING * UTILITY ENGINEERING/LOCATING
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 PA, VA, CANADA
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA
 IL09500164, 167, 168, 170, 171, 179, 180, 182, 204,
 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230, 232
 TBE SUE PAGE NO: 36 of 36
 Checked by: *[Signature]* 7-28-02
 SUE Quality Level "A" : Test Holes
 SUE Quality Level "B" : Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—		CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—W—	—W—	WATER
—G—	—G—	GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
—●—		TEST HOLE

Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others.

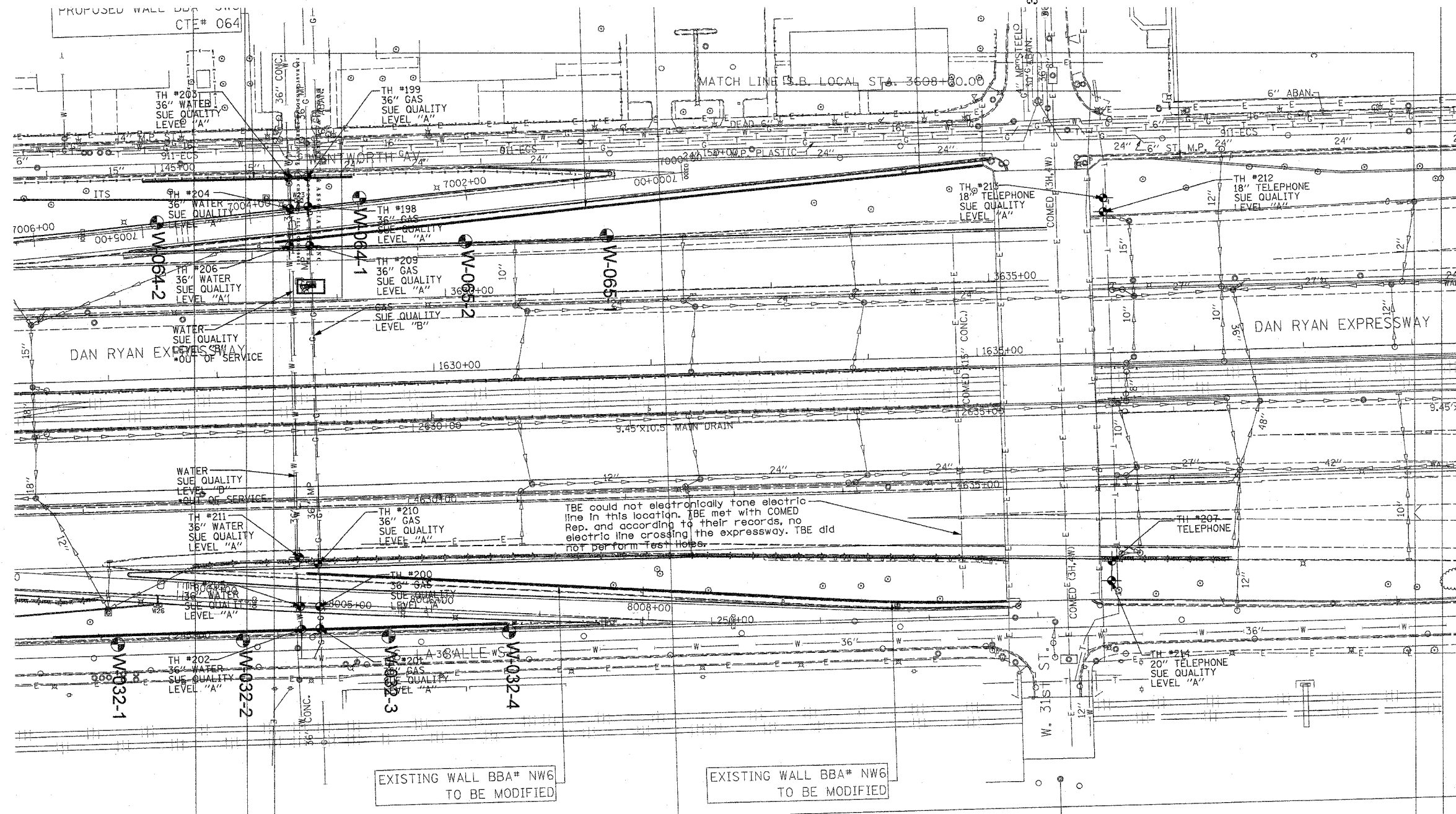

 205 W. WACKER DRIVE
 SUITE 1020
 CHICAGO, IL 60606
 (312) 704-1970

REVISIONS	
NAME	DATE

TBE could not locate buried utilities directly beneath the expressway due to traffic and safety issues.
 *At the time of Quality Level "B" SUE services, the water lines were active. The lines, however, are now expected to be out of service per IDOT.

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUE Investigation of Underground Utilities
 I-90/I-94 Dan Ryan Expressway from
 I-57 to 69th Street
 Contract Number: 62590, 62592, 62594
 DRAWN BY : KLC
 SCALE : 1" = 50'
 SQL "B" DATE : 7/22/04

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(1516,1,1717 & 1818)-6	Cook	588	204
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



EXISTING WALL BBA# NW6 TO BE MODIFIED

EXISTING WALL BBA# NW6 TO BE MODIFIED

TBE could not electronically tone electric line in this location. TBE met with COMED Rep. and according to their records, no electric line crossing the expressway. TBE did not perform tests here.

TBE could not locate buried utilities directly beneath the expressway due to traffic and safety issues.

*At the time of Quality Level "B" SUE services, the water lines were active. The lines, however, are now expected to be out of service per IDOT.



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IL09500164, 167, 168, 170, 171, 179, 180, 182, 204,
 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230, 232

TBE SUE PAGE NO: 36 of 36

Checked by: *Sandra A. ...*

SUE Quality Level "A" : Test Holes
 SUE Quality Level "B" : Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—		CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—W—	—W—	WATER
—G—	—G—	GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
●		TEST HOLE

Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others.

205 W. WACKER DRIVE
 SUITE 1020
 CHICAGO, IL 60606
 (312) 704-1970

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUE Investigation of Underground Utilities
 I-90/I-94 Dan Ryan Expressway from
 I-57. to 69th Street
 Contract Number: 62590, 62592, 62594

DRAWN BY: KLC
 SCALE: 1" = 50'
 SQL "B" DATE: 7/22/04

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
1	20" G	1867123.035	1175606.560	-1.85	1.50	-0.35	SUE QUALITY LEVEL "A"
2	12" W	1867115.884	1175606.924	-1.53	1.13	-0.40	SUE QUALITY LEVEL "A"
3	20" G	1867122.650	1175602.392	-0.08	0.69	0.61	SUE QUALITY LEVEL "A"
4	20" G	1867122.945	1175609.366	-6.36	5.41	-0.95	SUE QUALITY LEVEL "A"
5	20" G	1867132.835	1175901.810	-4.63	3.39	-1.24	SUE QUALITY LEVEL "A"
6	20" G	1867132.928	1175905.856	-2.34	2.74	0.40	SUE QUALITY LEVEL "A"
7	20" G	1867132.947	1175910.232	0.11	1.93	2.04	SUE QUALITY LEVEL "A"
8	20" G	1867132.990	1175897.762	-5.44	3.49	-1.95	SUE QUALITY LEVEL "A"
1A	20" G	1861211.910	1177445.200	15.85	3.65	19.50	SUE QUALITY LEVEL "A"
2A	8" W	1861211.860	1177441.360	14.70	4.87	19.57	SUE QUALITY LEVEL "A"
3A	6" G	1861211.740	1177450.260	15.19	4.18	19.37	SUE QUALITY LEVEL "A"
4A	6" G	1861598.210	1177437.850	15.50	4.43	19.93	SUE QUALITY LEVEL "A"
5A	20" G	1861598.200	1177433.420	17.22	2.82	20.04	SUE QUALITY LEVEL "A"
6A	8" W	1861597.270	1177429.100	15.66	4.42	20.08	SUE QUALITY LEVEL "A"
7A	SEE NOTE	1862113.690	1176035.420	—	7.29	0.33	SEE NOTE
8A	SEE NOTE	1862704.020	1176033.590	-6.74	5.31	-1.43	SUE QUALITY LEVEL "A"
9	16" G	1863104.250	1175969.140	-2.44	4.55	2.11	SUE QUALITY LEVEL "A"
10	16" G	1863104.500	1175976.510	-1.83	5.77	3.94	SUE QUALITY LEVEL "A"
11	16" G	1863104.750	1175982.670	0.42	5.48	5.90	SUE QUALITY LEVEL "A"
12	*42" E	1863114.170	1175968.110	-2.35	4.64	2.29	SUE QUALITY LEVEL "A"
13	*42" E	1863114.830	1175975.120	-2.35	6.43	4.08	SUE QUALITY LEVEL "A"
14	*42" E	1863116.050	1175983.240	-2.34	9.02	6.68	SUE QUALITY LEVEL "A"
14A	12" W	1863125.770	1175969.560	-2.99	5.96	2.97	SUE QUALITY LEVEL "A"
15	2x*18" BT	1863258.330	1175962.750	-6.25	9.98	3.73	SUE QUALITY LEVEL "A"
16	2X*18" BT	1863256.850	1175970.740	-3.14	9.44	6.30	SUE QUALITY LEVEL "A"
17	2x*18" BT	1863255.680	1175981.210	-3.00	12.97	9.97	SUE QUALITY LEVEL "A"
18	2x*18" BT	1863254.030	1175661.690	-5.00	8.95	3.95	SUE QUALITY LEVEL "A"
19	2x*18" BT	1863252.560	1175654.200	-4.38	11.01	6.63	SUE QUALITY LEVEL "A"
20	2x*18" BT	1863250.510	1175644.060	-3.62	13.39	9.77	SUE QUALITY LEVEL "A"
21	*42" E	1863105.180	1175669.260	0.89	3.54	4.43	SUE QUALITY LEVEL "A"
22	*42" E	1863105.160	1175660.820	-1.00	7.50	6.50	SUE QUALITY LEVEL "A"

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
23	*42" E	1863105.310	1175651.280	-0.63'	10.05'	9.42'	SUE QUALITY LEVEL "A"
24	16" G	1863097.580	1175669.900	0.15'	4.36'	4.51'	SUE QUALITY LEVEL "A"
25	16" G	1863097.130	1175661.950	1.09'	5.01'	6.10'	SUE QUALITY LEVEL "A"
26	16" G	1863096.690	1175655.260	1.53'	6.63'	8.16'	SUE QUALITY LEVEL "A"
27	*18" BT	1865094.940	1175582.150	0.35'	11.57'	11.92'	SUE QUALITY LEVEL "A"
28	*18" BT	1865097.810	1175578.180	1.03'	12.10'	13.13'	SUE QUALITY LEVEL "A"
29	*18" BT	1865100.160	1175573.950	2.11'	12.35'	14.46'	SUE QUALITY LEVEL "A"
30	*36" E	1865099.910	1175578.500	-3.55'	16.71'	13.16'	SUE QUALITY LEVEL "A"
31	*36" E	1865103.162	1175573.669	-2.89'	17.47'	14.58'	SUE QUALITY LEVEL "A"
32	*36" E	1865097.615	1175581.930	-3.91'	15.88'	11.97'	SUE QUALITY LEVEL "A"
33	*36" E	1865124.435	1175973.073	0.82'	13.43'	14.25'	SUE QUALITY LEVEL "A"
34	*18" BT	1865090.975	1175932.544	-4.41'	6.37'	1.96'	SUE QUALITY LEVEL "A"
35	*36" E	1865105.924	1175934.833	-4.59'	7.05'	2.46'	SUE QUALITY LEVEL "A"
36	*36" E	1865120.467	1175968.691	-0.94'	14.14'	13.20'	SUE QUALITY LEVEL "A"
37	*18" BT	1865098.448	1175972.477	2.26'	10.37'	12.63'	SUE QUALITY LEVEL "A"
38	*18" BT	1865095.321	1175968.307	-0.23'	12.22'	11.99'	SUE QUALITY LEVEL "A"
39	See Note G	1873623.853	1175722.432	—	16.00'	12.60'	CLEARANCE DEPTH
40	20" G	1873624.086	1175713.696	-6.36'	16.78'	10.42'	SUE QUALITY LEVEL "A"
41	20" G	1873629.270	1175680.376	-10.19'	9.14'	-1.05'	SUE QUALITY LEVEL "A"
42	20" G	1873630.734	1175671.020	-12.73'	9.01'	-3.72'	SUE QUALITY LEVEL "A"
43	20" G	1873631.833	1175664.164	-13.65'	7.75'	-5.90'	SUE QUALITY LEVEL "A"
44	20" G	1873662.688	1175369.141	-3.90'	4.72'	0.82'	SUE QUALITY LEVEL "A"
45	20" G	1873663.608	1175361.458	-2.90'	5.76'	2.86'	SUE QUALITY LEVEL "A"
46	20" G	1873664.488	1175351.804	-0.50'	5.98'	5.48'	SUE QUALITY LEVEL "A"
47	20" G	1873661.260	1175377.470	-4.21'	3.61'	-0.60'	SUE QUALITY LEVEL "A"
48	*36" E	1865096.950	1175617.420	-3.95'	5.91'	1.96'	SUE QUALITY LEVEL "A"
48A	(3)12" UNK	1865098.890	1175616.560	-1.25'	3.20'	1.95'	
49	20" G	1873654.520	1175434.880	-6.86'	4.54'	-2.32'	SUE QUALITY LEVEL "A"
50	*36" E	1865097.950	1175663.360	-4.48'	6.85'	2.37'	SUE QUALITY LEVEL "A"
51	*18" BT	1865085.150	1175663.290	-5.46'	7.73'	2.27'	SUE QUALITY LEVEL "A"
52	*18" BT	1865085.030	1175617.240	-4.60'	6.57'	1.97'	SUE QUALITY LEVEL "A"

TBE Project Information

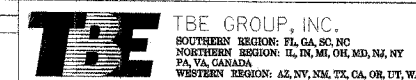
* Size given is duct width only.
 TH#7A unable to determine object found due to water & soil collapsing.
 TH#8A found old wood RR ties laid straight in direction of duct. Could not expose utility, however, SBC confirmed that the duct is directly below RR ties. The existing cut is to top of RR ties.
 TH#39 TBE could not physically see gas main. Dug to 16' got electronic depth of 19.5'.

ALL INFORMATION SHOWN WAS OBTAINED FROM A LOCATION SURVEY.

Illinois Department of Transportation

I-90 /94 (NB & SB of Dan Ryan Expressway)
 Chicago-Cook County
 Sec No: (2122-921 PT1) R, (2021-922 PT1,2)
 Contract No. 62586, 62589, 62693, 62694, 62695
 TBE Project No.: IL09500164, 167, 168, 170, 171, 179, 180, 182, 204, 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230, 232

REVISIONS																	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
6-15-06	KLC	REMOVE QL "A" FROM TH#48A															



VERIFIED UTILITY LOCATIONS

Handwritten signature and date: J. J. Jones E-9802

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
53	*18" BT	1865113.010	1175555.020	4.67'	14.33'	19.00'	SUE QUALITY LEVEL "A"
54	See Note E	1865117.050	1175555.790	—	18.59'	18.99'	CLEARANCE DEPTH ONLY
55	*18" BT	1865108.400	1175989.320	9.85'	9.02'	18.87'	SUE QUALITY LEVEL "A"
55A	24" SAN	1865109.300	1175987.610	11.77'	7.10'	18.87'	SUE QUALITY LEVEL "A"
56	*36" E	1865136.380	1175984.770	3.20'	15.68'	18.88'	SUE QUALITY LEVEL "A"
56A	24" SAN	1865138.320	1175986.600	11.93'	6.92'	18.85'	SUE QUALITY LEVEL "A"
57	*18" BT	1865091.120	1175928.050	-5.77'	7.13'	1.36'	SUE QUALITY LEVEL "A"
58	*36" E	1865105.640	1175928.120	-4.59'	6.03'	1.44'	SUE QUALITY LEVEL "A"
59	*36" E	1865104.390	1175856.480	-4.90'	7.41'	2.51'	SUE QUALITY LEVEL "A"
60	*18" BT	1865090.480	1175856.950	-5.29'	7.65'	2.36'	SUE QUALITY LEVEL "A"

MAN HOLE #	TYPE	NORTHING	EASTING	TOP OF UTILITY	EXISTING CUT	REFERENCE MH RIM ELEVATION	COMMENTS
61	Telephone	1863240.510	1175610.790	*1.41'	19.13'	20.54'	SUE QUALITY LEVEL "A"

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
62	*48" E	1876425.900	1176044.730	-6.88'	3.44'	-3.44'	SUE QUALITY LEVEL "A"
63	*48" E	1876427.860	1176056.140	-4.87'	4.14'	-0.73'	SUE QUALITY LEVEL "A"
64	*48" E	1876443.770	1176104.400	4.13'	8.39'	12.52'	SUE QUALITY LEVEL "A"
65	*48" E	1863237.110	1175774.930	-1.66'	4.62'	2.96'	SUE QUALITY LEVEL "A"
66	*48" E	1841495.350	1177598.790	8.42'	7.24'	15.66'	SUE QUALITY LEVEL "A"
67	*48" E	1852792.550	1177384.230	-10.35'	4.37'	-5.98'	SUE QUALITY LEVEL "A"
68	*48" E	1852792.730	1177375.900	-8.91'	4.03'	-4.88'	SUE QUALITY LEVEL "A"
69	*48" E	1841506.530	1177600.310	7.60'	8.15'	15.75'	SUE QUALITY LEVEL "A"
70	*48" E	1852792.330	1177435.710	-12.58'	5.65'	-6.93'	SUE QUALITY LEVEL "A"
71	*28" E	1841906.380	1177641.010	12.54'	3.46'	16.00'	SUE QUALITY LEVEL "A"
72	*48" E	1852791.510	1177336.410	1.83'	7.76'	9.59'	SUE QUALITY LEVEL "A"
73	*48" E	1876423.560	1175920.080	-12.48'	8.82'	-3.66'	SUE QUALITY LEVEL "A"
74	*48" E	1863227.820	1175613.390	8.97'	11.23'	20.20'	SUE QUALITY LEVEL "A"
75	*48" E	1841508.250	1177677.360	-7.19'	4.61'	-2.58'	SUE QUALITY LEVEL "A"
76	*48" E	1841493.000	1177684.360	-7.65'	4.53'	-3.12'	SUE QUALITY LEVEL "A"
77	*48" E	1841492.150	1177692.100	-7.95'	7.02'	-0.93'	SUE QUALITY LEVEL "A"

TBE Project Information

* Size given is duct width only.
 TH#54 TBE could not reach utility due to depth, Clearance given.
 MH#61 Man Hole elevation to top of phone cables exiting man hole.
 TH#80 Could not expose utilities due to extremely hard clay. Clearance depth of 7.88' given.
 TH#81 Appears to be a 34" poured in place concrete cap over CTA conduit.
 TH#87 found a 16" pipe but was unable to see it due to water table. Probed another 3' down past pipe, unable to find 36" w/m electronic Depth 24'
 TH#89 Utility not exposed due to excessive water in hole.
 TH#90 Utility not exposed, clearance depth of 13.65'.
 TH#96 Utility not exposed, clearance depth of 10.80'.
 TH#97 Reference point destroyed by construction crews before survey could be completed. Material was unidentifiable.
 TH#104 Concrete cap poured over utility.
 TH#107 Utility not exposed, clearance depth of 16.79'.

ALL INFORMATION SHOWN WAS OBTAINED FROM A LOCATION SURVEY.

VERIFIED UTILITY INFORMATION

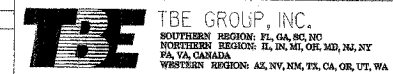
TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
78	*48" E	1841506.430	1177692.980	-8.94'	7.98'	-0.96'	SUE QUALITY LEVEL "A"
79	*48" E	1841510.920	1177755.020	-9.22'	10.16'	0.94'	SUE QUALITY LEVEL "A"
80	SEE NOTE E	1841493.150	1177753.350	—	7.88'	1.00'	CLEARANCE DEPTH ONLY
81	SEE NOTE E	1852793.298	1177394.984	-11.95'	4.69'	-7.26'	SUE QUALITY LEVEL "A"
82	*48" E	1863234.932	1175653.520	-0.86'	7.66'	6.80'	SUE QUALITY LEVEL "A"
83	*48" E	1863235.070	1175661.514	-1.64'	5.94'	4.31'	SUE QUALITY LEVEL "A"
84	36" W	1839944.740	1178217.900	-5.13'	2.96'	-2.17'	SUE QUALITY LEVEL "A"
85	36" W	1839889.120	1178193.100	-13.96'	8.61'	-5.35'	SUE QUALITY LEVEL "A"
86	36" W	1839415.910	1178025.040	-1.59'	3.05'	1.46'	SUE QUALITY LEVEL "A"
87	16" UNK	1839528.800	1178066.220	-3.15'	10.03'	6.88'	
88	24" TEL	1839826.880	1178316.500	-6.59'	7.19'	0.60'	SUE QUALITY LEVEL "A"
89	SEE NOTE TEL	1839836.600	1178319.800	-5.49'	5.98'	0.49'	
90	SEE NOTE TEL	1839793.600	1178305.180	—	13.65'	0.40'	CLEARANCE DEPTH ONLY
91	24" TEL	1844059.140	1177578.380	13.58'	2.89'	16.47'	SUE QUALITY LEVEL "A"
92	36" W	1839745.710	1178145.690	-18.57'	9.32'	-9.25'	SUE QUALITY LEVEL "A"
93	24" BT	1844060.690	1177635.830	-6.44'	7.25'	0.81'	SUE QUALITY LEVEL "A"
94	24" BT	1844060.680	1177625.600	-3.42'	6.54'	3.12'	SUE QUALITY LEVEL "A"
95	16" W	1839246.750	1178863.580	-6.12'	3.82'	-2.30'	SUE QUALITY LEVEL "A"
96	SEE NOTE W	1838928.400	1178898.950	—	10.80'	-1.39'	CLEARANCE DEPTH ONLY
97	18" BT				6.12'		NOT SURVEYED
98	20" BT	1841825.960	1177936.970	6.82'	8.10'	14.92'	SUE QUALITY LEVEL "A"
99	36" W	1874261.670	1175871.220	-1.10'	3.83'	2.73'	SUE QUALITY LEVEL "A"
100	36" W	1874261.650	1175880.560	1.35'	3.90'	5.25'	SUE QUALITY LEVEL "A"
101	36" W	1874245.970	1175540.410	-2.86'	4.69'	1.83'	SUE QUALITY LEVEL "A"
102	36" W	1874245.820	1175531.730	-0.50'	4.56'	4.06'	SUE QUALITY LEVEL "A"
103	36" W	1874244.500	1175483.430	11.43'	4.34'	15.77'	SUE QUALITY LEVEL "A"
104	SEE NOTE W	1874262.410	1175925.500	13.62'	3.18'	16.80'	SUE QUALITY LEVEL "A"
105	36" W	1874245.260	1175675.910	-2.22'	2.72'	0.50'	SUE QUALITY LEVEL "A"
106	18" BT	1847350.430	1177491.230	-0.33'	8.75'	8.42'	SUE QUALITY LEVEL "A"
107	SEE NOTE BT	1847365.000	1177775.620	—	16.79'	7.85'	CLEARANCE DEPTH ONLY
108	24" BT	1844064.680	1177880.760	6.97'	9.52'	16.49'	SUE QUALITY LEVEL "A"
109	36" W	1874248.230	1175729.730	-1.93'	3.19'	1.26'	SUE QUALITY LEVEL "A"

Illinois Department of Transportation

I-90 /94 (NB & SB of Dan Ryan Expressway)
 Chicago-Cook County
 Sec No: (2122-921 PT1) R, (2021-922 PT1,2)
 Contract No. 62586, 62589, 62693, 62694, 62695
 TBE Project No.: IL09500164, 167, 168, 170, 171, 179, 180, 182, 204, 205,
 206, 211, 212, 219, 221, 225, 226, 227, 228, 230, 232

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
6-15-05	KLC	REMOVE Q1 "A" FROM TH#87 & 89												

Madison E-9802



VERIFIED UTILITY LOCATIONS

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
110	24" BT	1841825.430	1177895.600	-4.15'	4.72'	0.57'	SUE QUALITY LEVEL "A"
111	24" BT	1841825.960	1177908.730	1.05'	4.44'	5.49'	SUE QUALITY LEVEL "A"
112	SEE NOTE BT	1844068.060	1177841.750	---	6.79'	2.89'	CLEARANCE DEPTH ONLY
113	SEE NOTE BT	1844066.820	1177850.390	---	8.03'	5.95'	CLEARANCE DEPTH ONLY
114	24" BT	1847363.280	1177733.270	-13.55'	5.33'	-8.22'	SUE QUALITY LEVEL "A"
115	24" BT	1847363.890	1177740.570	-12.87'	7.00'	-5.87'	SUE QUALITY LEVEL "A"
116	24" BT	1847364.010	1177750.010	-13.15'	10.51'	-2.64'	SUE QUALITY LEVEL "A"
117	24" BT	1847354.070	1177540.800	-12.62'	4.98'	-7.64'	SUE QUALITY LEVEL "A"
118	24" BT	1847354.020	1177532.210	-11.52'	4.52'	-7.00'	SUE QUALITY LEVEL "A"
119	24" BT	1841818.360	1177704.030	-6.42'	4.55'	-1.87'	SUE QUALITY LEVEL "A"
120	24" BT	1841818.190	1177694.600	-5.43'	5.12'	-0.31'	SUE QUALITY LEVEL "A"
121	24" E	1844061.030	1177617.950	-1.50'	6.67'	5.17'	SUE QUALITY LEVEL "A"
122	(3) 1" E	1840742.250	1177446.860	10.93'	4.47'	15.40'	SUE QUALITY LEVEL "A"
123	(2) 2.5" E	1840753.910	1177452.070	12.73'	2.88'	15.61'	SUE QUALITY LEVEL "A"
124	2" BT	1840831.420	1177479.340	13.17'	2.57'	15.74'	SUE QUALITY LEVEL "A"
125	2" E	1840820.710	1177506.720	5.90'	3.01'	8.91'	SUE QUALITY LEVEL "A"
126	2" E	1840804.920	1177597.800	0.06'	3.54'	3.60'	SUE QUALITY LEVEL "A"
127	(3) 1" E	1840788.150	1177588.790	0.28'	3.56'	3.84'	SUE QUALITY LEVEL "A"
128	2" E	1840818.210	1177530.500	0.02'	1.85'	1.87'	SUE QUALITY LEVEL "A"
129	2" E	1840816.460	1177545.960	0.42'	1.74'	2.16'	SUE QUALITY LEVEL "A"
130	SEE NOTE BT	1839700.920	1178266.540	---	10.98'	-7.69'	CLEARANCE DEPTH ONLY
131	SEE NOTE BT	1839752.990	1178287.460	---	11.56'	-8.92'	CLEARANCE DEPTH ONLY
132	18" G	1852714.050	1177842.550	0.87'	7.94'	8.81'	SUE QUALITY LEVEL "A"
133	18" G	1852719.380	1177340.460	1.09'	8.36'	9.45'	SUE QUALITY LEVEL "A"
134	8" G	1847348.900	1177540.960	-13.64'	6.05'	-7.59'	SUE QUALITY LEVEL "A"
135	8" G	1847348.540	1177532.100	-11.04'	4.42'	-6.62'	SUE QUALITY LEVEL "A"
136	8" G	1847347.120	1177490.770	1.16'	7.28'	8.44'	
137	18" G	1852715.850	1177387.130	-13.52'	7.22'	-6.30'	SUE QUALITY LEVEL "A"
138	18" G	1852720.360	1177378.410	-11.64'	7.05'	-4.59'	SUE QUALITY LEVEL "A"
139	18" G	1852715.890	1177378.870	-10.80'	6.30'	-4.50'	SUE QUALITY LEVEL "A"
140	18" G	1852720.130	1177387.470	-13.53'	7.46'	-6.07'	SUE QUALITY LEVEL "A"

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
141	8" G	1847360.470	1177779.600	3.77'	4.76'	8.53'	SUE QUALITY LEVEL "A"
142	18" G	1852731.450	1177624.740	-0.09'	9.49'	9.40'	SUE QUALITY LEVEL "A"
143	18" G	1852724.450	1177627.310	-1.19'	10.92'	9.73'	SUE QUALITY LEVEL "A"
144	34" BT	1853977.420	1177596.570	1.18'	8.13'	9.31'	SUE QUALITY LEVEL "A"
145	18" G	1852725.400	1177579.740	-14.03'	6.32'	-7.71'	
146	18" G	1852729.670	1177579.630	-14.36'	6.93'	-7.43'	
147	18" G	1852729.620	1177588.130	-12.06'	7.15'	-4.91'	SUE QUALITY LEVEL "A"
148	18" G	1852725.710	1177589.950	-11.85'	7.38'	-4.47'	SUE QUALITY LEVEL "A"
149	8" G	1847359.120	1177733.980	-13.27'	4.96'	-8.31'	SUE QUALITY LEVEL "A"
150	8" G	1847359.090	1177742.040	-10.62'	5.02'	-5.60'	SUE QUALITY LEVEL "A"
151	34" BT	1853976.090	1177565.940	-2.85'	4.64'	1.79'	SUE QUALITY LEVEL "A"
152	34" BT	1853965.300	1177212.750	1.75'	6.56'	8.31'	SUE QUALITY LEVEL "A"
153	34" BT	1853967.560	1177268.590	-5.31'	4.54'	-0.77'	SUE QUALITY LEVEL "A"
154	34" BT	1853974.820	1177507.770	-7.53'	5.75'	-1.78'	SUE QUALITY LEVEL "A"
155	34" BT	1853976.540	1177529.050	-4.24'	5.72'	1.48'	SUE QUALITY LEVEL "A"
156	34" BT	1853967.230	1177304.800	-5.16'	4.11'	-1.05'	SUE QUALITY LEVEL "A"
157	30" G	1839844.630	1178297.170	-11.94'	11.58'	-0.36'	SUE QUALITY LEVEL "A"
158	30" G	1839771.030	1178274.550	-15.29'	6.58'	-8.71'	SUE QUALITY LEVEL "A"
159	30" G	1839779.300	1178277.090	-15.12'	6.55'	-8.57'	SUE QUALITY LEVEL "A"
160	NA G	1839815.630	1178285.320	---	7.00'	-7.56'	CLEARANCE ONLY
161	30" G	1839683.380	1178240.910	-8.79'	10.86'	-19.65'	
162	NA G	1839720.200	1178252.850	---	7.00'	-14.44'	CLEARANCE ONLY
163	30" G	1839633.400	1178223.490	-10.63'	6.14'	-16.77'	
164	30" G	1839624.490	1178220.270	-10.23'	6.61'	-16.84'	

TBE Project Information

TH#112 Utility not exposed, clearance depth of 6.79'.
 TH#113 Utility not exposed, clearance depth of 8.03'.
 TH#130 Utility not exposed, clearance depth of 10.98'.
 TH#131 Utility not exposed, clearance depth of 11.56'.
 TH#136 Unable to expose utility due to hard clay, probed and felt top and side of utility.
 TH#145 & 146 Unable to expose utility due to water table at 3' +/-, but were able to feel the sides and top.
 TH#160 & 162 Unable to expose utility due to hard clay, clearance of 7' given.
 TH#161 Unable to expose utility due to water, but did feel the pipe.
 TH#163 & 164 Unable to expose utility due to water, but did feel top and sides of 30" pipe.

ALL INFORMATION SHOWN WAS OBTAINED FROM A LOCATION SURVEY.

Illinois Department of Transportation
 I-90 /94 (NB & SB of Dan Ryan Expressway)
 Chicago-Cook County
 Sec No: (2122-921 PT1) R, (2021-922 PT1,2)
 Contract No. 62586, 62589, 62693, 62694, 62695
 TBE Project No.: IL09500164, 167, 168, 170, 171, 179, 180, 182, 204, 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230, 232

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
6-15-05	KLC	REMOVE Q1 "A" FROM TH#156, 146, 146, 161, 165 & 164 REMOVED TOP OF UTILITY FROM TH#160 & 162															

Mod. F-9802



VERIFIED UTILITY LOCATIONS

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	OFFSET	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
165	24" G	1858583.099	1177452.100	148.05 RT	-2.91'	6.08'	3.18'	SUE QUALITY LEVEL "A"
166	24" G	1858582.607	1177422.881	118.82 RT	-7.96'	11.04'	3.08'	SUE QUALITY LEVEL "A"
167	24" G	1858581.829	1177388.290	84.23 RT	-11.42'	5.64'	-5.78'	SUE QUALITY LEVEL "A"
168	— G	1858576.435	1177169.958	73.59 LT	-14.41'	7.92'	-6.49'	SEE NOTE
169A	— G	1858575.515	1177148.755	94.81 LT	-8.73'	5.63'	-3.10'	SEE NOTE
169B	8" —	1858574.341	1177148.755	94.81 LT	-7.34'	4.24'	-3.10'	SUE QUALITY LEVEL "A"
170	24" G	1858574.341	1177125.527	118.07 LT	1.84'	4.35'	6.19'	SUE QUALITY LEVEL "A"
171	24" G	1858573.831	1177107.217	136.38 LT	5.50'	5.82'	11.32'	SUE QUALITY LEVEL "A"
172	36" E	1859349.450	1177086.590	133.62 LT	-2.77'	10.34'	7.57'	SUE QUALITY LEVEL "A"
173	36" E	1859349.210	1177115.830	104.39 LT	-5.89'	4.92'	-0.97'	SUE QUALITY LEVEL "A"
174	— BT	1859189.980	1177120.790	104.24 LT	-13.77'	12.58'	-1.19'	SUE QUALITY LEVEL "A"
175	— BT	1859187.890	1177093.060	132.02 LT	SEE NOTE	9.12'	4.53'	CLEARANCE ONLY
176	36" E	1859357.690	1177382.160	100.06 RT	-11.29'	4.45'	-6.84'	SUE QUALITY LEVEL "A"
177	— E	1859358.400	1177405.990	123.90 RT	-10.32'	10.06'	-0.26'	SUE QUALITY LEVEL "A"
178	— T	1859198.040	1177390.570	103.95 RT	-21.35'	12.85'	-8.50'	SUE QUALITY LEVEL "A"
179	— E	1859345.500	1177059.620	160.69 LT	SEE NOTE	15.15'	16.93'	CLEARANCE ONLY
180	36" G	1851291.10	1177413.23	80.62 LT	-9.95'	6.63'	-3.32'	SUE QUALITY LEVEL "A"
181	36" G	1851290.85	1177418.67	75.19 LT	-9.70'	6.38'	-3.32'	SUE QUALITY LEVEL "A"
182	36" G	1851297.11	1177630.28	136.52 RT	-8.83'	5.89'	-2.94'	SUE QUALITY LEVEL "A"
MAN HOLE #								
183	24" G	1851285.94	1177708.75	45.04 RT	4.76'	4.16'	8.92'	Elev. taken from RIM of MH.
184	12" G	1851278.82	1177708.69	44.77 RT	4.39'	4.52'	8.91'	Elev. taken from RIM of MH.
TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	OFFSET	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
185	72" BT	1877424.23	1176032.38	61.60 LT	-3.79'	2.70'	-1.09'	SUE QUALITY LEVEL "A"
186	66" BT	1877416.11	1175712.30	66.43 RT	-8.51'	5.85'	-2.66'	SEE NOTE

NOTES

TH #168 Unable to see gas due to ground water.
 TH #169A Unable to see gas due to back fill continually caving in.
 TH #174 We were unable to determine size due to ground water in the hole.
 TH #175 Attempt was made to expose phone duct but were unsuccessful due to extreme heavy compacted clay, we were only able to reach 9.12'
 TH #179 Attempt was made to find electric duct. Went down 15.15' & 2.5' radius of Reference Point.
 TH #186 Unable to expose due to mud and ground water, felt top and sides.
 TH #187 Unable to expose due to wet sand collapsing in hole..
 TH #189 - Offset is taken from N. bound Dan Ryan fence line..
 TH #190 - Unable to expose due to soil collapsing in hole
 TH #192 - Telephone was buried/trenched underneath a slab of concrete with rough edges; width was 48"
 TH #195 - Unable to expose due to deep roots in hole
 TH #200 - Felt both sides of gas line but unable to cover completely for picture, doing so would leave a void in soil because of angle of ground level. Back fill kept falling from uphill.
 TH #204 - Found the utilities for the street lights at about 2' deep. Offset pulled from CL of Dan Ryan on ramp.
 TH #207 - Could not expose due to collapsing sand. Had a good feel with the air lance. Offset taken from CL of exit ramp
 TH #215A - TBE could not find electric crossing, vacuumed down 13'.

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	OFFSET	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
187	— W	1880442.920	1175949.580	65.37' RT	3.59'	8.43'	12.02'	SEE NOTE
188	16" BT	1880464.590	1175947.690	64.06' RT	6.63'	5.31'	11.94'	SUE QUALITY LEVEL "A"
189	24" W	1880443.800	1175999.780	115.57' RT	7.85'	7.83'	15.68'	SUE QUALITY LEVEL "A"
190	— W	1880442.870	1175973.130	88.91' RT	3.81'	10.10'	13.91'	SEE NOTE
191	16" BT	1880465.830	1175973.580	89.98' RT	9.59'	4.42'	14.01'	SUE QUALITY LEVEL "A"
192	16" BT	1880464.890	1175999.080	115.44' RT	10.21'	5.35'	15.56'	SUE QUALITY LEVEL "A"
193	16" BT	1880456.000	1175630.210	61.54' LT	5.65'	8.94'	11.59'	SUE QUALITY LEVEL "A"
194	16" BT	1880454.690	1175603.520	88.25' LT	5.44'	8.66'	14.10'	SUE QUALITY LEVEL "A"
195	— BT	1880453.540	1175575.610	116.18' LT	4.75'	12.13'	16.88'	SEE NOTE
196	24" W	1880435.180	1175604.240	88.06' LT	6.76'	7.24'	14.00'	SUE QUALITY LEVEL "A"
197	24" W	1880435.160	1175579.320	112.97' LT	11.06'	5.48'	16.54'	SUE QUALITY LEVEL "A"
198	36" G	1883748.370	1175516.740	86.01' LT	1.10'	7.08'	8.18'	SUE QUALITY LEVEL "A"
199	36" G	1883747.800	1175488.980	113.78' LT	6.36'	8.62'	14.98'	SUE QUALITY LEVEL "A"
200	36" G	1883758.000	1175883.780	89.15' RT	-1.07'	5.96'	4.89'	SUE QUALITY LEVEL "A"
201	36" G	1883758.190	1175903.970	109.34' RT	4.06'	6.58'	10.64'	SUE QUALITY LEVEL "A"
202	36" W	1883741.550	1175904.750	109.67' RT	4.82'	5.74'	10.56'	SUE QUALITY LEVEL "A"
203	36" W	1883730.260	1175489.640	113.59' LT	8.72'	6.25'	14.97'	SUE QUALITY LEVEL "A"
204	36" W	1883731.680	1175518.680	84.53' LT	1.69'	5.90'	7.59'	SUE QUALITY LEVEL "A"
205	36" W	1883740.460	1175883.620	88.52' RT	-3.96'	8.26'	4.30'	SUE QUALITY LEVEL "A"
206	36" W	1883731.390	1175553.040	50.19' LT	-5.51'	6.13'	0.62'	SUE QUALITY LEVEL "A"
207	— BT	1884487.410	1175842.900	67.99' RT	-6.61'	2.98'	-3.63'	SEE NOTE
208	24" W	1880435.060	1175628.960	63.35' LT	3.08'	8.72'	11.80'	SUE QUALITY LEVEL "A"
209	36" G	1883749.960	1175552.500	50.22' LT	-5.24'	5.99'	0.75'	SUE QUALITY LEVEL "A"
210	36" G	1883756.720	1175845.280	50.63' RT	-6.85'	8.42'	1.566'	SUE QUALITY LEVEL "A"
211	36" W	1883739.550	1175839.290	44.18' RT	-5.25'	5.86'	0.606'	SUE QUALITY LEVEL "A"
212	18" BT	1884480.420	1175521.840	61.14' LT	-7.58'	4.95'	-2.634'	SUE QUALITY LEVEL "A"
213	18" BT	1884480.320	1175509.110	73.87' LT	-3.89'	4.91'	1.019'	SUE QUALITY LEVEL "A"
214	20" BT	1884487.060	1175860.740	85.82' RT	-0.82'	3.19'	2.370'	SUE QUALITY LEVEL "A"
215	(1)2" (3).25" SL	1879776.080	1175973.630	71.39' RT	2.91'	4.08'	6.995'	SUE QUALITY LEVEL "A"
215A	SEE NOTE	1879798.750	1175970.990	69.36' RT	SEE NOTE	13.00'	7.040'	SEE NOTE

ALL INFORMATION SHOWN WAS OBTAINED FROM A LOCATION SURVEY.

Illinois Department of Transportation
 I-90 /94 (NB & SB of Dan Ryan Expressway)
 Chicago-Cook County
 Sec No: (2122-921 PT1) R, (2021-922 PT1,2)
 Contract No. 62584, 62585, 62586, 62589, 62693, 62694, 62695
 TBE Project No.: IL09500164, 167, 168, 170, 171, 179, 180, 182, 204, 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230, 232, 238

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
8/16/05	ST	CAFAC															



TBE GROUP, INC.
 SOUTHERN REGION: FL, GA, SC, NC
 NORTHERN REGION: IL, IN, MI, OH, MO, NY, NY
 PA, VA, CANADA
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

VERIFIED UTILITY LOCATIONS

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	OFFSET	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
230	— E	1839771.480	1178282.900	40.98 RT	-14.59'	5.95'	-8.64'	SEE NOTE
231	— E	1839717.190	1178262.450	7.63 LT	-16.67'	9.39'	-7.28'	SEE NOTE
232	24" BT	1847362.650	1177722.670	54.90 RT	-13.90'	4.58'	-9.32'	SUE QUALITY LEVEL "A"
233	— BT	1847364.070	1177666.640	1.06 LT	-15.30'	6.00'	-9.30'	SEE NOTE
233A	— BT	1847359.460	1177663.330	4.50 LT	-14.90'	5.50'	-9.40'	SEE NOTE
234	24" BT	1847358.540	1177612.300	5.81 RT	-17.19'	7.70'	-9.49'	SEE NOTE
235	24" BT	1847354.940	1177556.570	50.00 LT	-14.25'	4.98'	-9.27'	SEE NOTE
236	50" G	1842060.050	1177876.280	56.67 RT	-11.10'	8.03'	-3.07'	SUE QUALITY LEVEL "A"
237	16" G	1842055.250	1177879.140	59.39 RT	-11.77'	8.63'	-3.14'	SUE QUALITY LEVEL "A"
238	16" G	1842053.000	1177820.220	0.43 RT	-10.82'	8.18'	-2.64'	SEE NOTE
239	50" G	1842057.820	1177814.630	5.02 LT	-10.68'	7.74'	-2.94'	SEE NOTE
240	16" G	1842048.430	1177699.910	58.61 LT	-11.07'	7.86'	-3.21'	SEE NOTE
241	50" G	1842054.250	1177699.450	58.90 LT	-10.21'	6.91'	-3.30'	SUE QUALITY LEVEL "A"
242	50" G	1842060.221	1177881.622	62.02 RT	-11.18'	7.90'	-3.28'	SUE QUALITY LEVEL "A"
243	36" BT	1855343.345	1177259.048	62.73 LT	-15.28'	6.93'	-8.35'	SUE QUALITY LEVEL "A"
244	— BT	1855347.498	1177446.026	63.35 RT	-15.69'	7.76'	-7.93'	SEE NOTE
245	— BT	1850035.319	1177471.160	58.65 LT	SEE NOTE	SEE NOTE	-10.77'	SEE NOTE

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	OFFSET	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
246	— BT	1850041.470	1177650.061	59.00 RT	SEE NOTE	SEE NOTE	-10.84'	SEE NOTE
247	— BT	1871203.115	1175505.197	37.89 LT	SEE NOTE	SEE NOTE	-2.02'	SEE NOTE
248	— BT	1871203.917	1175514.392	28.66 LT	-8.46'	6.23'	-2.23'	SEE NOTE
249	— BT	1871206.409	1175554.544	11.57 RT	SEE NOTE	SEE NOTE	-1.77'	SEE NOTE
250	24" BT	1878879.409	1175747.664	54.72 LT	-16.06'	11.74'	-4.92'	SUE QUALITY LEVEL "A"
251	— BT	1875203.628	1176040.796	83.00 RT	-2.47'	12.66'	10.19'	SEE NOTE
252	24" BT	1875144.552	1175846.846	56.48 LT	-6.92'	14.45'	7.53'	SEE NOTE
253	24" BT	1878884.810	1175914.130	55.83 RT	-16.55'	11.45'	-5.10'	SUE QUALITY LEVEL "A"
254	30" E	1876039.562	1175820.570	58.56 LT	-8.64'	8.15'	-0.49'	SUE QUALITY LEVEL "A"

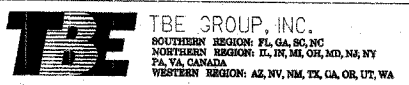
NOTES

- TH# 230 COULD NOT SEE DUCT DUE TO EXCESSIVE GROUND WATER BUT PROBED AND FELT SIDES AND TOP OF 48" WIDE DUCT.
- TH# 231 COULD NOT SEE DUCT DUE TO EXCESSIVE GROUND WATER BUT PROBED AND FELT SIDES AND TOP OF 24" WIDE DUCT.
- TH# 233 & 233A WE WERE NOT ABLE TO EXCAVATE ANY DEEPER THAN DEPTHS RECORDED DUE TO EXTREMELY HARD SOIL CONDITIONS. WE HAD A DIFFICULT TIME PIN POINTING DUCT PACKAGE ELECTRONICALLY, THIS IS THE REASON WHY WE ATTEMPTED MULTIPLE HOLES IN THIS LOCATION.
- TH# 234 & 235 NOT ABLE TO SEE PHONE DUCT DUE TO EXCESSIVE WATER AND SAND CAVING IN, BUT PROBED AND WERE ABLE TO FEEL BOTH SIDES AND TOP OF 24" WIDE DUCT.
- TH# 238 & 240 NOT ABLE TO SEE GAS MAIN, BUT WAS ABLE TO TO PROBE AND FEEL SIDES AND TOP OF 16" MAIN.
- TH# 239 NOT ABLE TO SEE GAS MAIN, BUT WAS ABLE TO TO PROBE AND FEEL SIDES AND TOP OF 50" MAIN.
- TH# 244 FOUND THE TOP OF A WOOD STRUCTURE (BOX), POSSIBLY ENCASED DUCT.
- TH# 245 UNABLE TO EXPOSE DUE TO HARD SOIL. TBE DID VACUUM TO A DEPTH OF 7' AND WAS ABLE TO PROBE TO A DEPTH OF 13'.
- TH# 246 UNABLE TO EXPOSE DUE TO HARD SOIL. TBE DID VACUUM TO A DEPTH OF 8' AND WAS ABLE TO PROBE TO A DEPTH OF 14'.
- TH# 247 UNABLE TO EXPOSE DUE TO LARGE ROCKS AND WATER. CLEARANCE DEPTH OF 4.70'.
- TH# 248 FOUND BIG SLAB OF CONCRETE WITH NO FORM, POSSIBLY Poured OVER PHONE DUCT.
- TH# 249 UNABLE TO EXPOSE DUE TO CAVE-INS AND WATER. CLEARANCE DEPTH OF 5.79'.
- TH# 251 UNABLE TO EXPOSE DUE TO CAVE-INS AND WATER. PROBED AND FELT DUCT AT 12.66'.
- TH# 252 UNABLE TO EXPOSE DUE TO CAVE-INS AND WATER. PROBED AND FELT TOP AND SIDES OF DUCT AT 14.45'.

ALL INFORMATION SHOWN WAS OBTAINED FROM A LOCATION SURVEY.

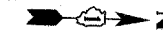
Illinois Department of Transportation
 I-90 /94 (NB & SB of Dan Ryan Expressway)
 Chicago-Cook County
 Sec No: (2122-921 PT1) R, (2021-922 PT1,2)
 Contract No. 62584, 62585, 62586, 62589, 62593, 62693, 62694, 62695
 62300, 62301, 62303, 62304
 TBE Project No.: IL09500164, 167, 168, 170, 171, 179, 180, 182, 204, 205,
 206, 211, 212, 219, 221, 225, 226, 227, 228, 230, 232, 235, 237, 238, 248, 249
 250, 251, 252

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
3/16/06	SA																



VERIFIED UTILITY LOCATIONS

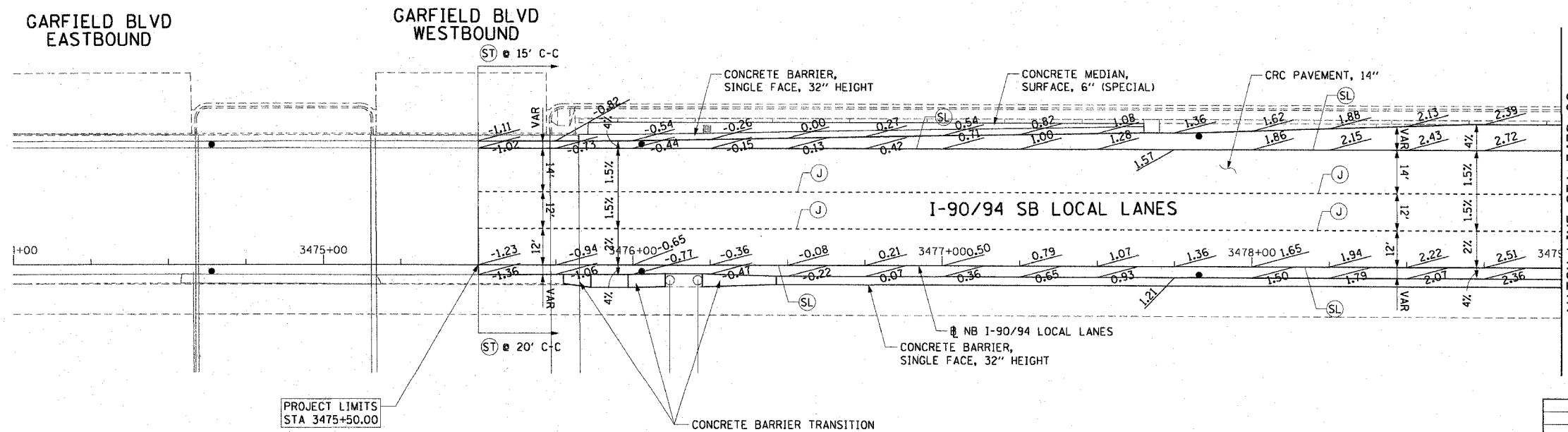
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	588	210
STA. 3469+00	TO STA. 3479+00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
62303	(2021-922 PT2 ETC 2324.6-1P) R-11			



LEGEND:

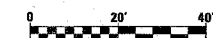
- ⊙ LONGITUDINAL CURB AND GUTTER JOINT - NO. 6 EPOXY COATED TIE BARS, 24" LONG AT 24" C-C
- ⊙ SAWED TRANSVERSE CONTRACTION PINT
- ⊙ TRANSVERSE EXPANSION JOINT
- ⊙ NO BARS, KEYED LONGITUDINAL CONSTRUCTION JOINT WITH ALL KEYS FACING ONE DIRECTION ALONG INSIDE EDGE OF RAMP PAVEMENT AND SURROUNDING GORE
- ⊙ LONGITUDINAL SAWED JOINT - NO. 6 EPOXY COATED TIE BARS, 30" LONG AT 30" C-C
LONGITUDINAL CONSTRUCTION JOINT - NO. 8 EPOXY COATED TIE BARS, 24" LONG AT 24" C-C
- ⊙ LONGITUDINAL SHOULDER CONSTRUCTION JOINT - NO. 8 EPOXY COATED TIE BARS, 30" LONG AT 24" C-C
- ⊙ TRANSVERSE SHOULDER CONTRACTION JOINT
- SWALE

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NOTES:

1. SEE ALIGNMENT AND TIES SHEETS FOR CURVE INFORMATION.
2. SEE ROADWAY PLAN SHEETS FOR BEGINNING AND END TAPER STATIONS AND TAPER RATES.
3. PAVEMENT ELEVATIONS ARE SHOWN AT 25' INTERVALS.
4. SEE ROADWAY DETAIL RDT-8 FOR THE TYING OF THE MEDIAN BARRIER BASE TO THE PCC SHOULDER.
5. AT THE PROJECT LIMITS, THE CONTRACTOR SHALL MEET THE FUTURE ROADWAY ELEVATIONS AND TRANSVERSE SHOULDER CONTRACTION JOINT SPACING OF CONTRACT 60A63.



JE-1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
 PAVEMENT JOINTING AND ELEVATION PLANS

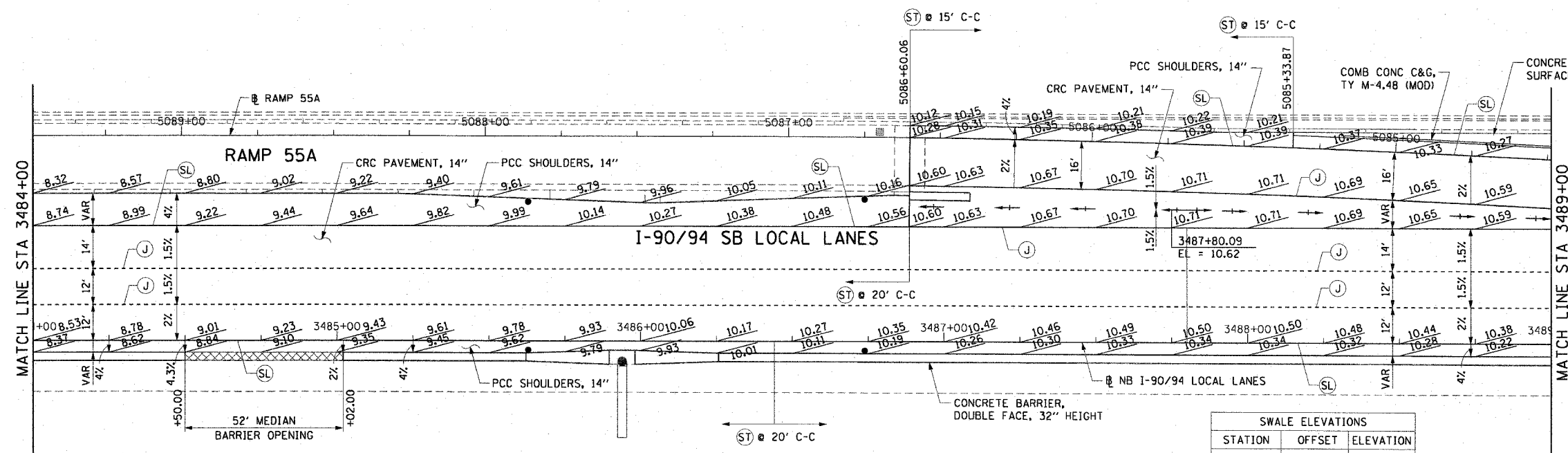
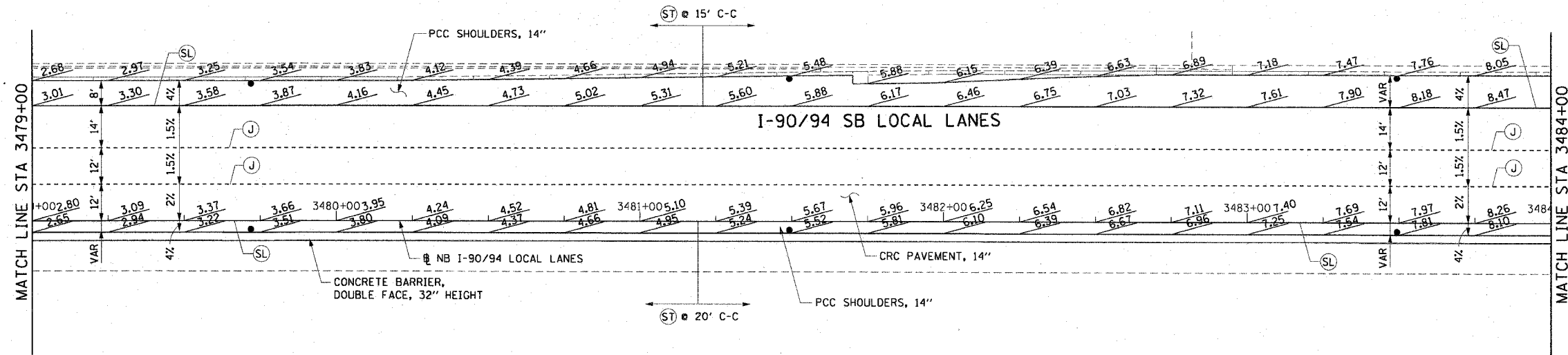
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	588	211
STA. 3479+00	TO STA. 3489+00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
62303	(2021-922 PT2 ETC 2324.6-1P) R-11			

- LEGEND:**
- Ⓢ LONGITUDINAL CURB AND GUTTER JOINT - NO. 6 EPOXY COATED TIE BARS, 24" LONG AT 24" C-C
 - Ⓢ SAWED TRANSVERSE CONTRACTION JOINT
 - Ⓢ TRANSVERSE EXPANSION JOINT
 - Ⓢ NO BARS, KEYED LONGITUDINAL CONSTRUCTION JOINT WITH ALL KEYS FACING ONE DIRECTION ALONG INSIDE EDGE OF RAMP PAVEMENT AND SURROUNDING GORE
 - Ⓢ LONGITUDINAL SAWED JOINT - NO. 6 EPOXY COATED TIE BARS, 30" LONG AT 30" C-C
 - Ⓢ LONGITUDINAL CONSTRUCTION JOINT - NO. 8 EPOXY COATED TIE BARS, 24" LONG AT 24" C-C
 - Ⓢ LONGITUDINAL SHOULDER CONSTRUCTION JOINT - NO. 8 EPOXY COATED TIE BARS, 30" LONG AT 24" C-C
 - Ⓢ TRANSVERSE SHOULDER CONTRACTION JOINT
 - Ⓢ SWALE



- NOTES:**
1. SEE ALIGNMENT AND TIES SHEETS FOR CURVE INFORMATION.
 2. SEE ROADWAY PLAN SHEETS FOR BEGINNING AND END TAPER STATIONS AND TAPER RATES.
 3. PAVEMENT ELEVATIONS ARE SHOWN AT 25' INTERVALS.
 4. SEE ROADWAY DETAIL RDT-8 FOR THE TYING OF THE MEDIAN BARRIER BASE TO THE PCC SHOULDER.
 5. AT THE MEDIAN BARRIER OPENING, THE ELEVATION OF THE LOCAL LANE EDGE OF SHOULDER SHALL MATCH THE ELEVATION OF THE EXPRESS LANE EDGE OF SHOULDER.
 6. TRANSITION FROM 4% SHOULDER SLOPE TO 1.5% GORE SLOPE AT A DISTANCE OF 25' FROM THE START OF THE GORE.

STATION	OFFSET	ELEVATION
3486+88.62	44.75' LT	10.50
3487+00.00	44.69' LT	10.53
+25.00	44.51' LT	10.57
+50.00	44.26' LT	10.61
+75.00	43.95' LT	10.62
3488+00.00	43.58' LT	10.62
+25.00	43.14' LT	10.61
+50.00	42.65' LT	10.58
+75.00	42.09' LT	10.53

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 90/94 (DAN RYAN EXPRESSWAY) GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES) PAVEMENT JOINTING AND ELEVATION PLANS
NAME	DATE	
		SCALE: 1"=20' DATE: June 9, 2006 DRAWN BY: PHP CHECKED BY: NJH

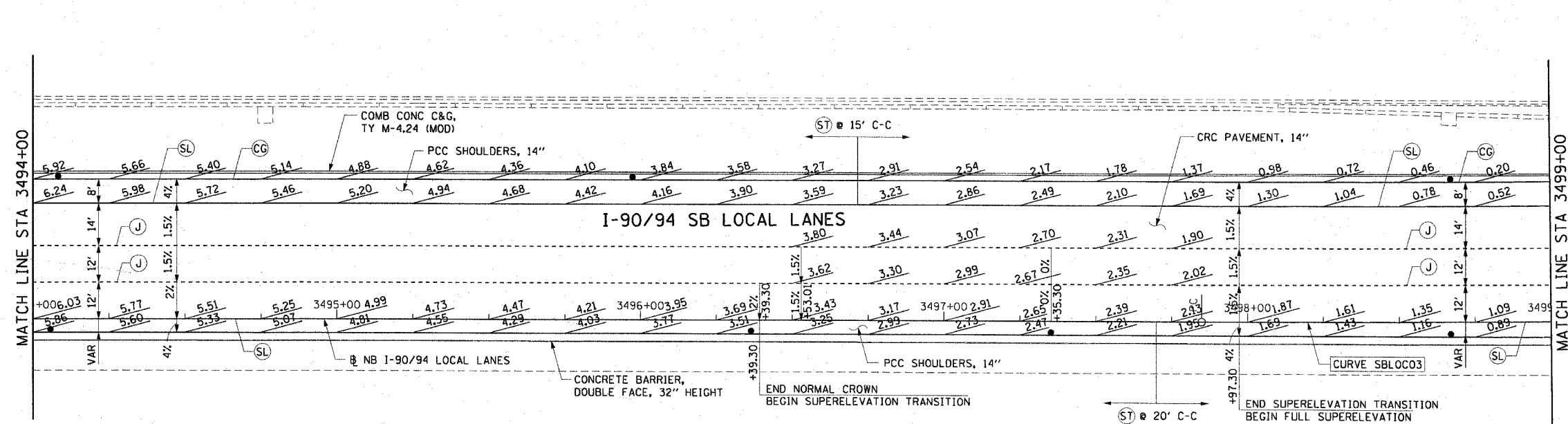
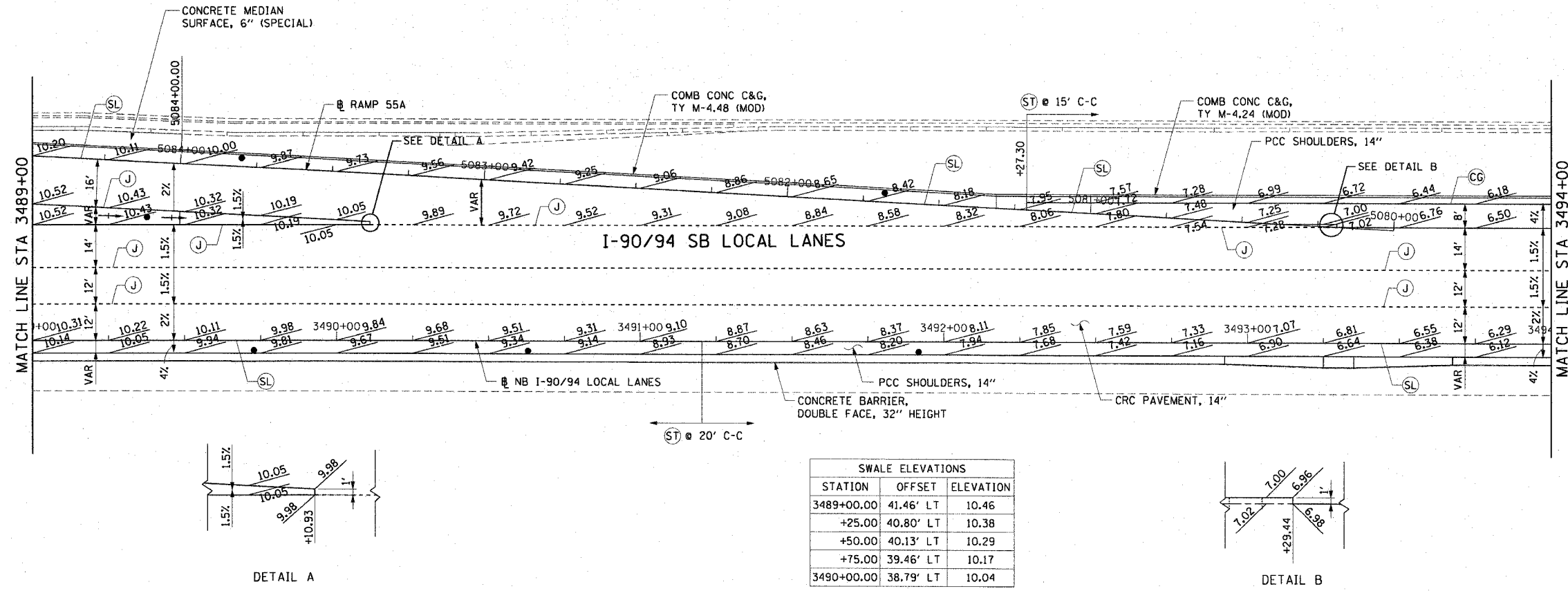
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F.A.I. RTE. 90/94	SECTION	COUNTY COOK	TOTAL SHEETS 588	SHEET NO. 212
STA. 3489+00	TO STA. 3499+00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
62303	• (2021-922 PT2 ETC 2324.6-1P1 R-11)			

LEGEND:

- Ⓞ LONGITUDINAL CURB AND GUTTER JOINT - NO. 6 EPOXY COATED TIE BARS, 24" LONG AT 24" C-C
- Ⓢ SAWED TRANSVERSE CONTRACTION PINT
- Ⓧ TRANSVERSE EXPANSION JOINT
- Ⓞ NO BARS, KEYED LONGITUDINAL CONSTRUCTION JOINT WITH ALL KEYS FACING ONE DIRECTION ALONG INSIDE EDGE OF RAMP PAVEMENT AND SURROUNDING GORE
- Ⓤ LONGITUDINAL SAWED JOINT - NO. 6 EPOXY COATED TIE BARS, 30" LONG AT 30" C-C
- Ⓤ LONGITUDINAL CONSTRUCTION JOINT - NO. 8 EPOXY COATED TIE BARS, 24" LONG AT 24" C-C
- Ⓤ LONGITUDINAL SHOULDER CONSTRUCTION JOINT - NO. 8 EPOXY COATED TIE BARS, 30" LONG AT 24" C-C
- Ⓢ TRANSVERSE SHOULDER CONTRACTION JOINT
- ↔ SWALE



NOTES:

1. SEE ALIGNMENT AND TIES SHEETS FOR CURVE INFORMATION.
2. SEE ROADWAY PLAN SHEETS FOR BEGINNING AND END TAPER STATIONS AND TAPER RATES.
3. PAVEMENT ELEVATIONS ARE SHOWN AT 25' INTERVALS.
4. SEE ROADWAY DETAIL RDT-8 FOR THE TYING OF THE MEDIAN BARRIER BASE TO THE PCC SHOULDER.

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REVISIONS	
NAME	DATE

JE-3

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)

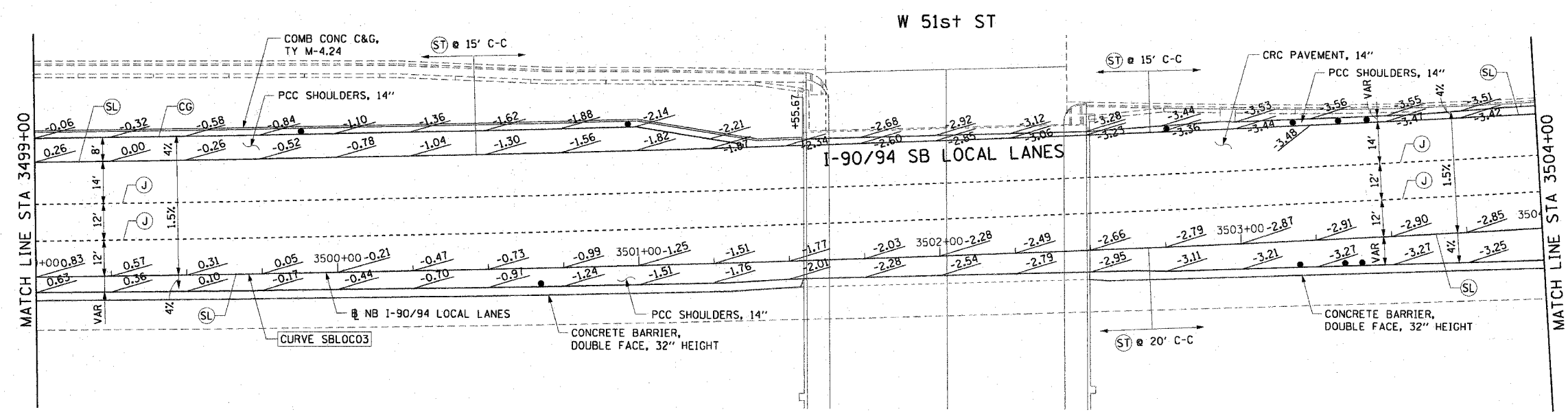
PAVEMENT JOINTING AND ELEVATION PLANS

SCALE: 1"=20'
 DATE: June 9, 2006

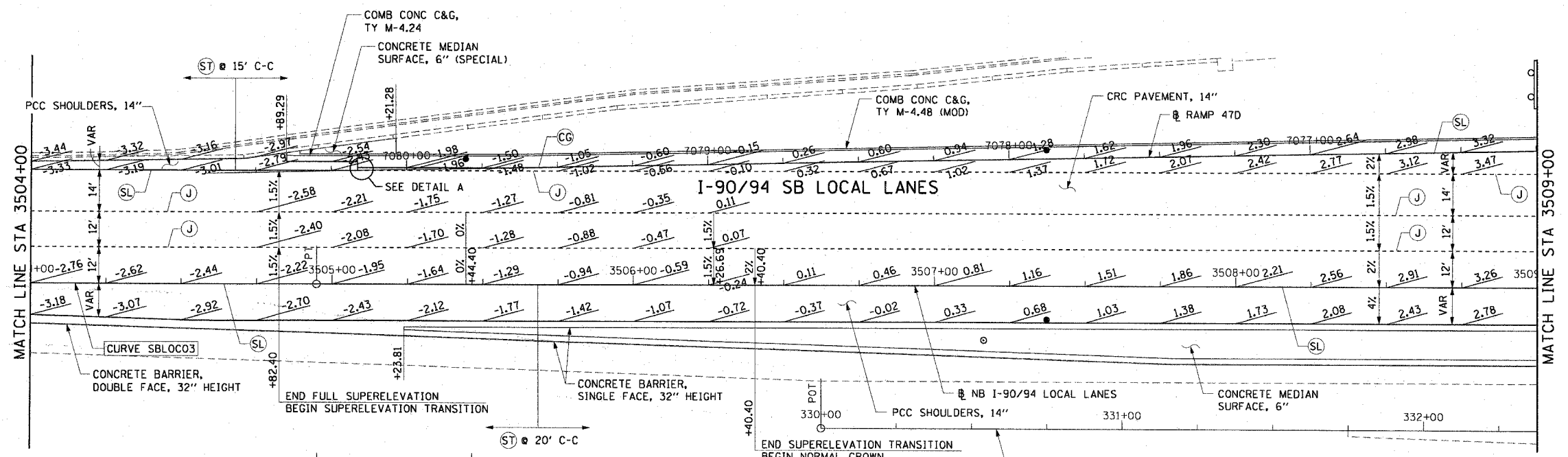
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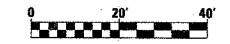
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	588	213
STA. 3499+00	TO STA. 3509+00			
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		
62303		* (2021-922 PT2 ETC 2324.6-1P1 R-11		



- LEGEND:**
- Ⓞ LONGITUDINAL CURB AND GUTTER JOINT - NO. 6 EPOXY COATED TIE BARS, 24" LONG AT 24" C-C
 - Ⓢ SAWED TRANSVERSE CONTRACTION JOINT
 - Ⓧ TRANSVERSE EXPANSION JOINT
 - Ⓞ NO BARS, KEYED LONGITUDINAL CONSTRUCTION JOINT WITH ALL KEYS FACING ONE DIRECTION ALONG INSIDE EDGE OF RAMP PAVEMENT AND SURROUNDING GORE
 - Ⓤ LONGITUDINAL SAWED JOINT - NO. 6 EPOXY COATED TIE BARS, 30" LONG AT 30" C-C
 - Ⓤ LONGITUDINAL CONSTRUCTION JOINT - NO. 8 EPOXY COATED TIE BARS, 24" LONG AT 24" C-C
 - Ⓤ LONGITUDINAL SHOULDER CONSTRUCTION JOINT - NO. 8 EPOXY COATED TIE BARS, 30" LONG AT 24" C-C
 - Ⓢ TRANSVERSE SHOULDER CONTRACTION JOINT
 - ↔ SWALE



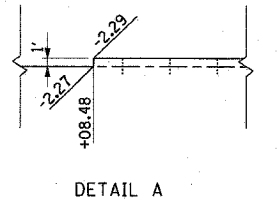
- NOTES:**
1. SEE ALIGNMENT AND TIES SHEETS FOR CURVE INFORMATION.
 2. SEE ROADWAY PLAN SHEETS FOR BEGINNING AND END TAPER STATIONS AND TAPER RATES.
 3. PAVEMENT ELEVATIONS ARE SHOWN AT 25' INTERVALS.
 4. SEE ROADWAY DETAIL RDT-8 FOR THE TYING OF THE MEDIAN BARRIER BASE TO THE PCC SHOULDER.



REVISIONS	
NAME	DATE

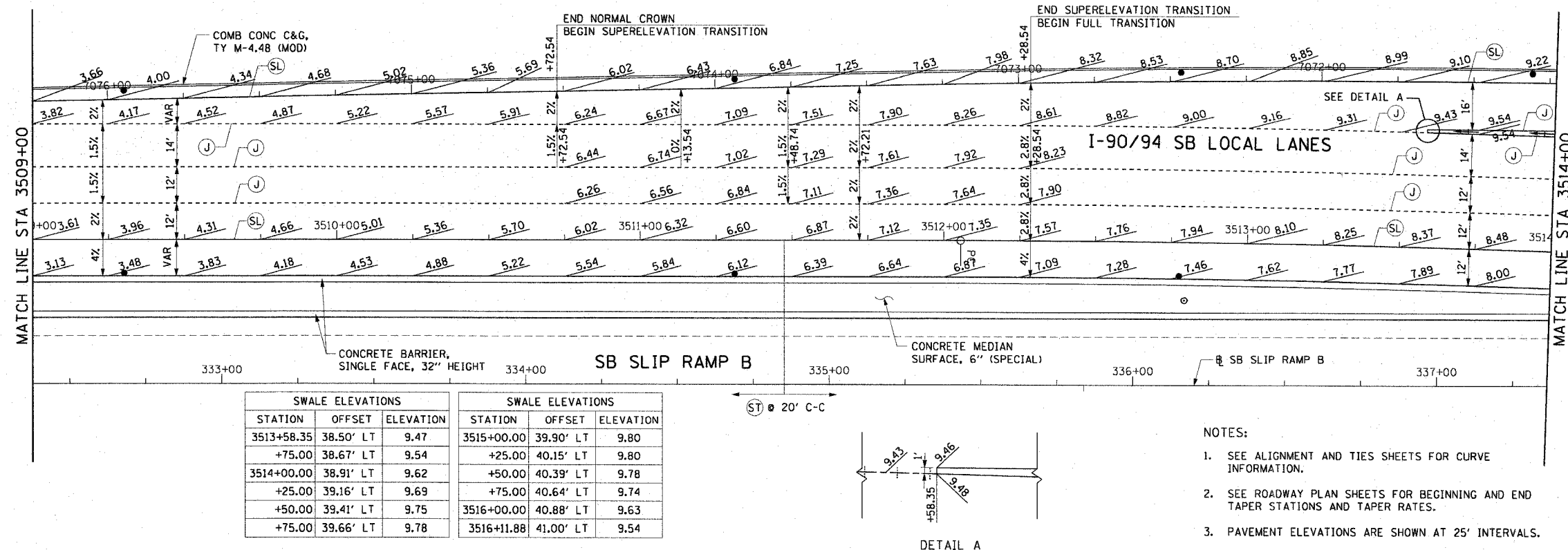
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
PAVEMENT JOINTING AND ELEVATION PLANS
 SCALE: 1"=20'
 DATE: June 9, 2006
 DRAWN BY: PHP
 CHECKED BY: NJH

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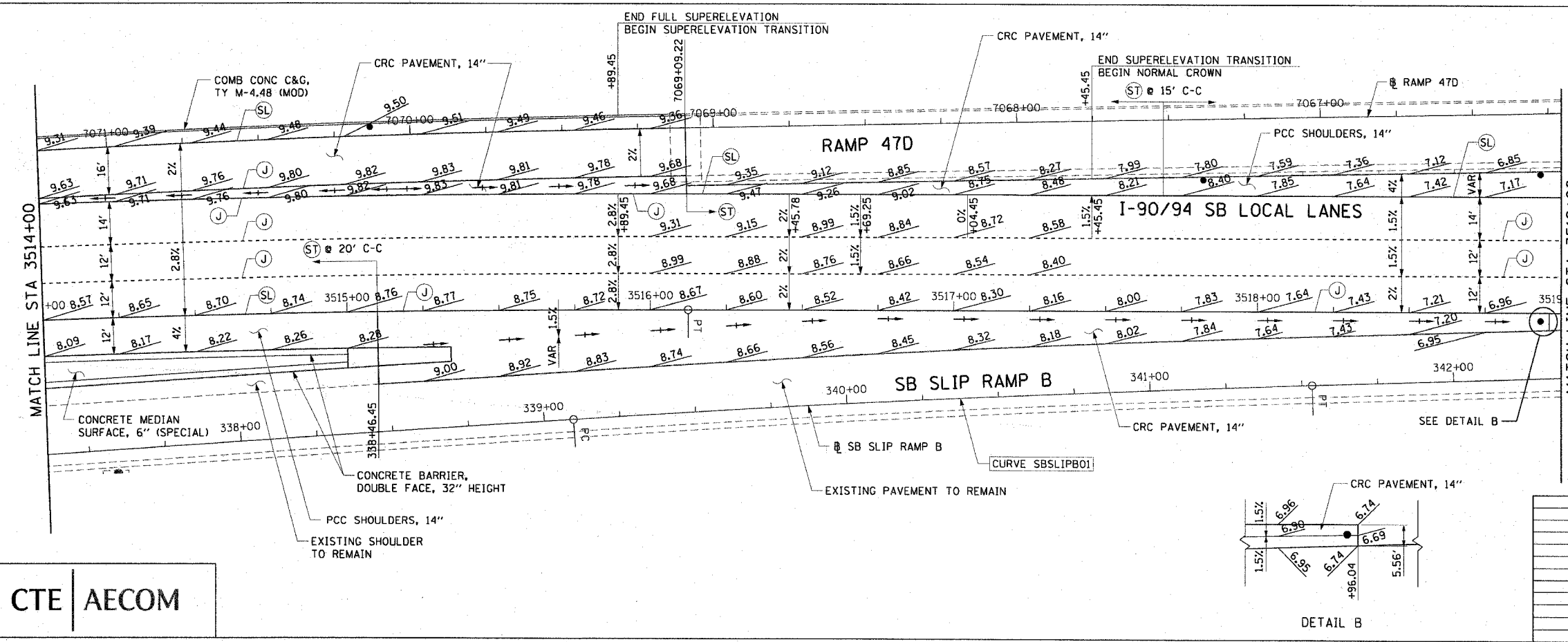
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	588	214
STA. 3509+00		TO STA. 3519+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
62303		* (2021-922 PT2 ETC 2324.6-1P) R-11		



- LEGEND:
- ⊕ LONGITUDINAL CURB AND GUTTER JOINT - NO. 6 EPOXY COATED TIE BARS, 24" LONG AT 24" C-C
 - ⊙ SAWED TRANSVERSE CONTRACTION PINT
 - ⊕ TRANSVERSE EXPANSION JOINT
 - ⊕ NO BARS, KEYPED LONGITUDINAL CONSTRUCTION JOINT WITH ALL KEYS FACING ONE DIRECTION ALONG INSIDE EDGE OF RAMP PAVEMENT AND SURROUNDING GORE
 - ⊕ LONGITUDINAL SAWED JOINT - NO. 6 EPOXY COATED TIE BARS, 30" LONG AT 30" C-C
 - ⊕ LONGITUDINAL CONSTRUCTION JOINT - NO. 8 EPOXY COATED TIE BARS, 24" LONG AT 24" C-C
 - ⊕ LONGITUDINAL SHOULDER CONSTRUCTION JOINT - NO. 8 EPOXY COATED TIE BARS, 30" LONG AT 24" C-C
 - ⊕ TRANSVERSE SHOULDER CONTRACTION JOINT
 - SWALE

- NOTES:
- SEE ALIGNMENT AND TIES SHEETS FOR CURVE INFORMATION.
 - SEE ROADWAY PLAN SHEETS FOR BEGINNING AND END TAPER STATIONS AND TAPER RATES.
 - PAVEMENT ELEVATIONS ARE SHOWN AT 25' INTERVALS.

- NOTES CONT:
- SEE ROADWAY DETAIL RDT-8 FOR THE TYING OF THE MEDIAN BARRIER BASE TO THE PCC SHOULDER.
 - TRANSITION FROM 4% SHOULDER SLOPE TO 1.5% GORE SLOPE AT A DISTANCE OF 25' FROM THE START OF THE GORE.



REVISIONS		DATE
NAME		

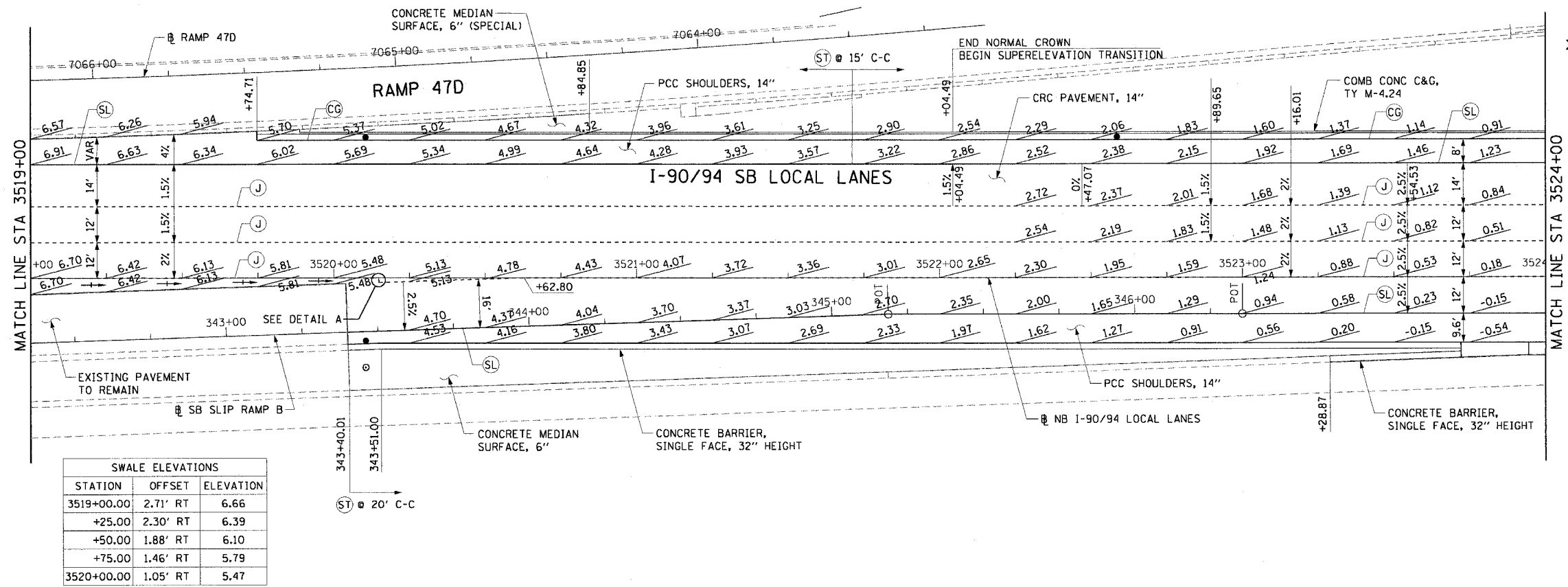
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
PAVEMENT JOINTING AND ELEVATION PLANS

SCALE: 1"=20'
DATE: June 9, 2006
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CHECKED BY: NUH

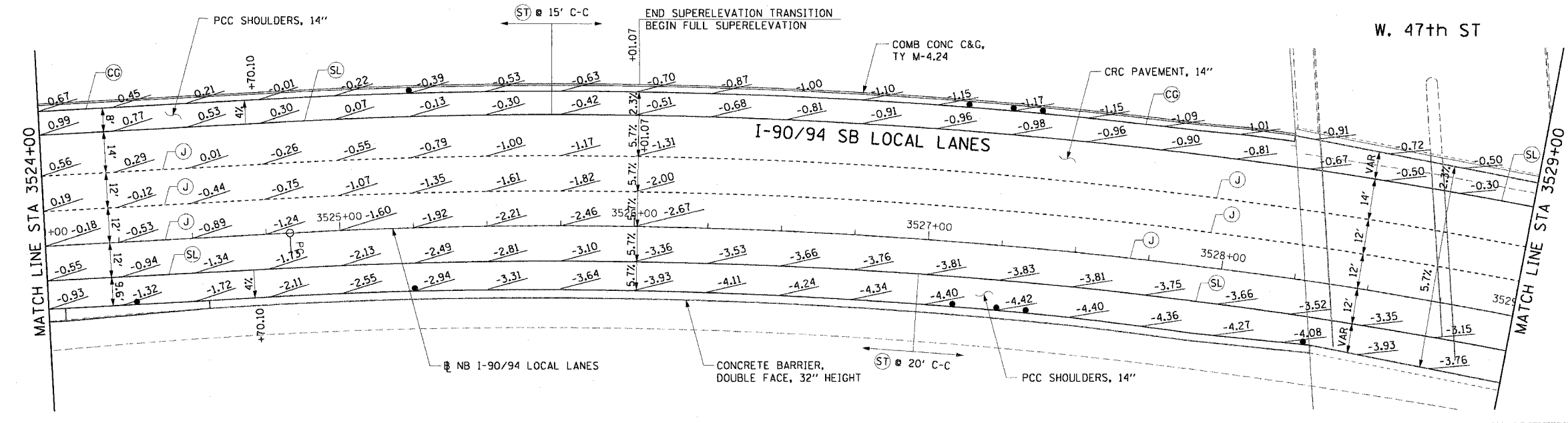
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	588	215
STA. 3519+00		TO STA. 3520+00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
62303 (2021-922 PT2 ETC 2324.6-1P) R-11				



- LEGEND:
- (CG) LONGITUDINAL CURB AND GUTTER JOINT - NO. 6 EPOXY COATED TIE BARS, 24" LONG AT 24" C-C
 - (C) SAWED TRANSVERSE CONTRACTION PINT
 - (EX) TRANSVERSE EXPANSION JOINT
 - (GR) NO BARS, KEED LONGITUDINAL CONSTRUCTION JOINT WITH ALL KEYS FACING ONE DIRECTION ALONG INSIDE EDGE OF RAMP PAVEMENT AND SURROUNDING GORE
 - (J) LONGITUDINAL SAWED JOINT - NO. 6 EPOXY COATED TIE BARS, 30" LONG AT 30" C-C
LONGITUDINAL CONSTRUCTION JOINT - NO. 8 EPOXY COATED TIE BARS, 24" LONG AT 24" C-C
 - (SL) LONGITUDINAL SHOULDER CONSTRUCTION JOINT - NO. 8 EPOXY COATED TIE BARS, 30" LONG AT 24" C-C
 - (ST) TRANSVERSE SHOULDER CONTRACTION JOINT
 - SWALE



- NOTES:
1. SEE ALIGNMENT AND TIES SHEETS FOR CURVE INFORMATION.
 2. SEE ROADWAY PLAN SHEETS FOR BEGINNING AND END TAPER STATIONS AND TAPER RATES.
 3. PAVEMENT ELEVATIONS ARE SHOWN AT 25' INTERVALS.
 4. SEE ROADWAY DETAIL RDT-8 FOR THE TYING OF THE MEDIAN BARRIER BASE TO THE PCC SHOULDER.

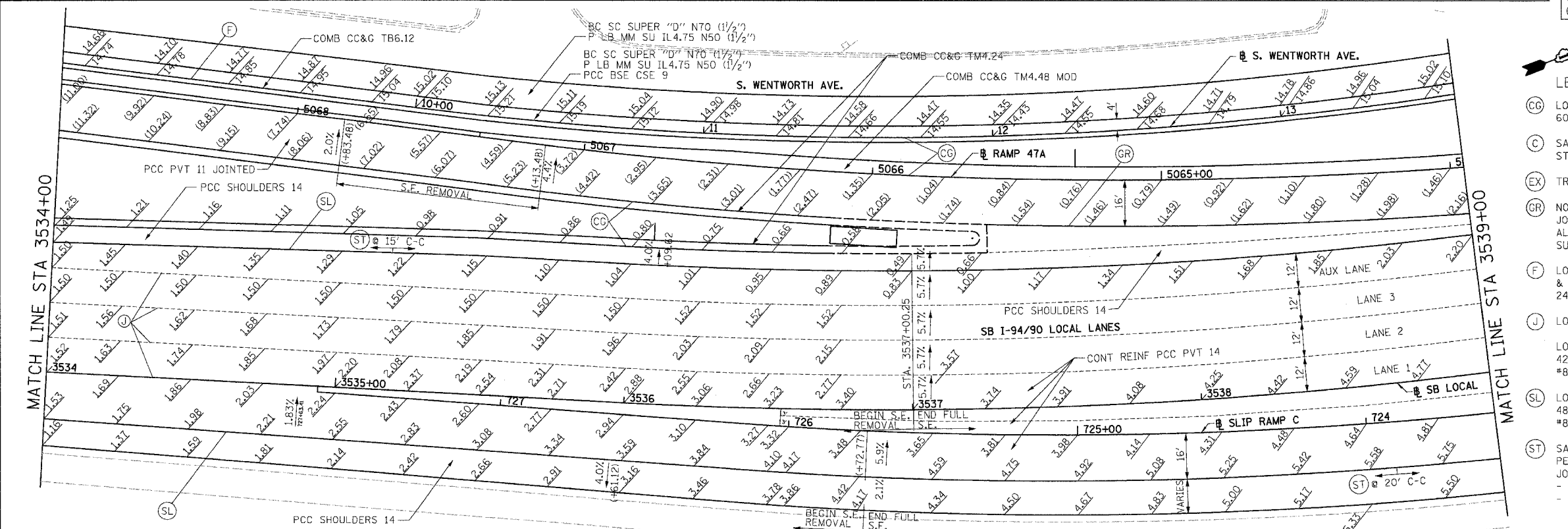
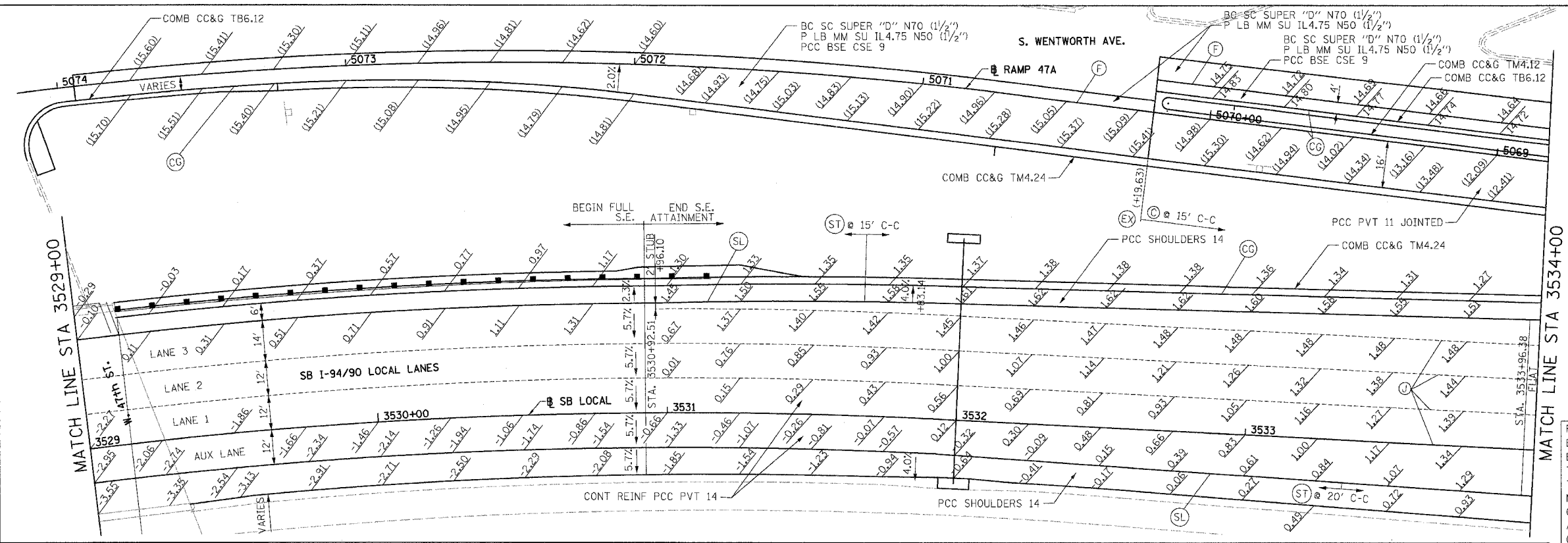
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
PAVEMENT JOINTING AND ELEVATION PLANS
 SCALE: 1"=20'
 DATE: June 9, 2006
 DRAWN BY: PHP
 CHECKED BY: NJH

6/23/2006 9:54:30 AM P:\A04048\GVT\108\carts\18 & 19\181\2\11r (19)je sheets\p\je\90902202.dwg

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	588	216
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
62303 • (2021-922 PT2 ETC 2324.6-1P) R-11				



SWALE ELEVATIONS		
STA	OFFSET	ELEVATION
3537+25	+50	
	+75	
3538+00	+25	
	+50	
	+75	

SLIP RAMP SWALE ELEVATIONS		
STA	OFFSET	ELEVATION
3536+75		
3537+00	+25	
	+50	
	+75	
3538+00	+25	
	+50	
	+75	

FOR PARTIAL WIDTH FRONTAGE ROAD IMPROVEMENTS, EITHER MATCH TRANSVERSE JOINT SPACING OF EXISTING PAVEMENT WITH NEWLY INSTALLED TRANSVERSE JOINTS OR PLACE NEWLY INSTALLED TRANSVERSE JOINTS AT 15'-0" INTERVALS. PLACE NEWLY INSTALLED TRANSVERSE JOINTS AT THE GREATER OF THESE TWO INTERVALS. SEE DETAIL SHEETS RDT-18A AND RDT-18B FOR PCC BASE COURSE JOINT DETAILS. (INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE BASE COURSE 9")



- LEGEND:
- (CG) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 606001 WITH DRILLED & GROUTED 24" LONG TIE BARS
 - (C) SAWED TRANSVERSE CONTRACTION JOINT PER STANDARD 420001 WITH HOT POUR SEAL
 - (EX) TRANSVERSE EXPANSION JOINT PER STANDARD 420001
 - (GR) NO BARS, KEYED LONGITUDINAL CONSTRUCTION JOINT WITH ALL KEYS FACING ONE DIRECTION ALONG INSIDE EDGE OF RAMP PAVEMENT AND SURROUNDING SHOULDER GORE
 - (F) LONGITUDINAL CONSTRUCTION JOINT WITH DRILLED & GROUTED #8 DEFORMED EPOXY COATED TIE BARS, 24" LONG AT 24" C-C
 - (J) LONGITUDINAL SAWED JOINT PER STANDARD 420001
 - (SL) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 420001 EXCEPT FOR DRILLED & GROUTED 24" LONG #8 TIE BARS. SEAL PER ASTM D 3405
 - (ST) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 483001 EXCEPT FOR DRILLED & GROUTED 30" LONG #8 TIE BARS
 - (ST) SAWED TRANSVERSE SHOULDER CONTRACTION JOINT PER STANDARD 483001 (MATCH RAMP PAVEMENT JOINTS IN GORE AREAS)
 - SPACED 15' C-C ALONG OUTSIDE SHOULDER
 - SPACED 20' C-C AT ALL OTHER LOCATIONS

- NOTES:
- ELEVATION STATIONED OFF OF NB I-94/90 LOCAL LANES OR LA SALLE ST.
 - ELEVATION STATIONED OFF OF RAMP ALIGNMENT
 - SEE ALIGNMENT AND TIES SHEETS FOR CURVE INFORMATION
 - SEE ROADWAY PLAN SHEETS FOR BEGINNING AND END TAPER STATIONS AND TAPER RATES.
 - PAVEMENT ELEVATIONS ALONG EDGE OF PAVEMENTS, EDGE OF SHOULDERS, GORES, RAMPS AND IN AREAS OF SUPERELEVATION TRANSITION ARE PROVIDED AT 25' INTERVALS. FOR ALL ELEVATIONS, REFER TO THE PROFILES AND TYPICAL SECTIONS.
 - SEE ROADWAY DETAIL RDT-8 FOR THE TYING OF THE MEDIAN BARRIER BASE TO THE PCC SHOULDER.

REVISIONS	
NAME	DATE
REVISED	6/23/06

JE-7

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
 PAVEMENT JOINTING
 AND ELEVATION PLANS

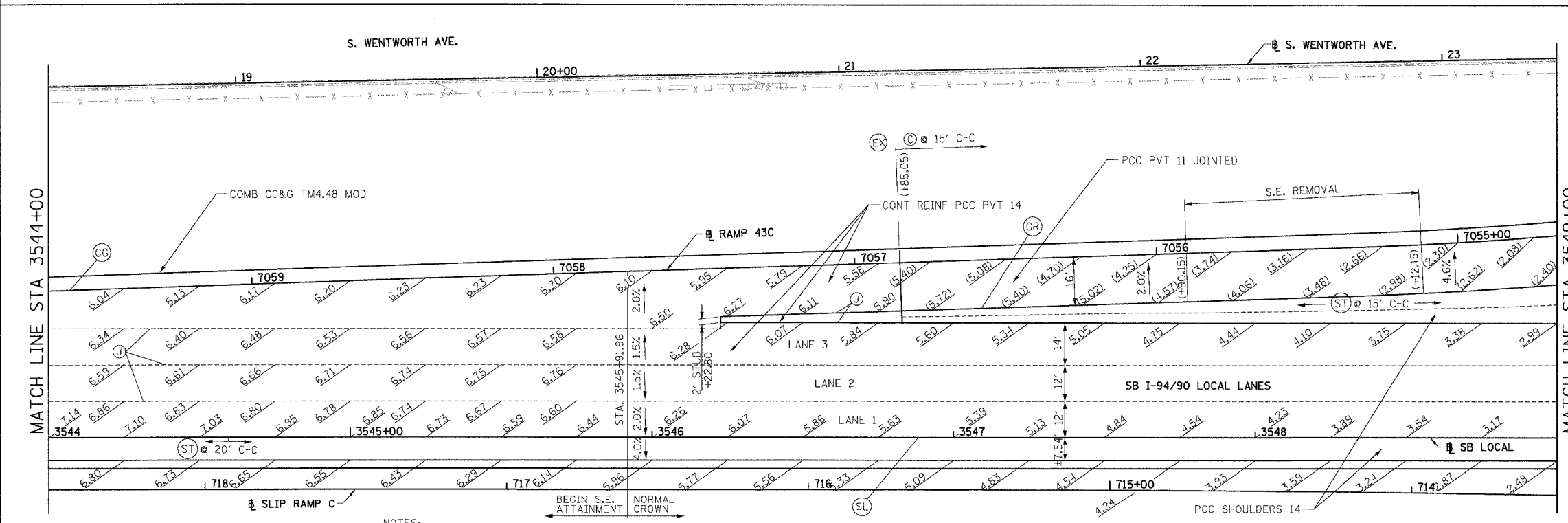
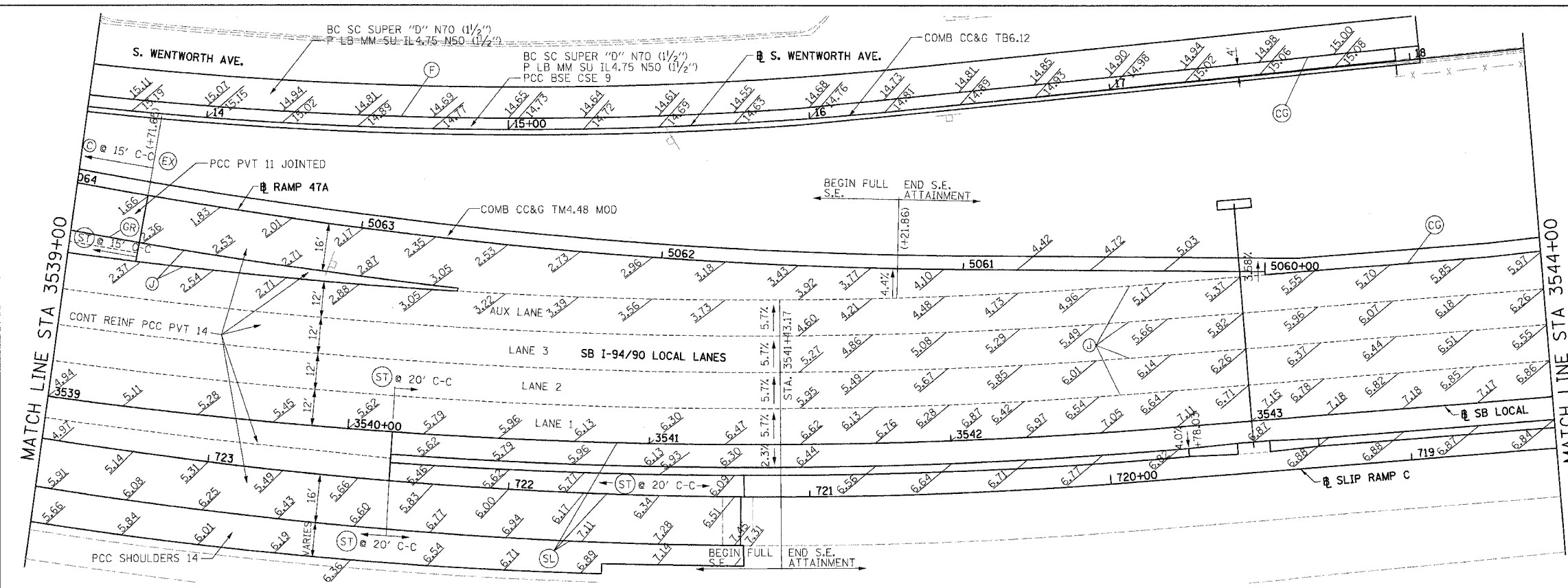
SCALE: 1"=20'
 DATE: 06/09/06

DRAWN BY: JDC
 CHECKED BY: RS

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F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	588	217
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62303		(2021-922 PT2 ETC 2324.6-1P) R-11		

- LEGEND:
- (CC) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 606001 WITH DRILLED & GROUTED 24" LONG TIE BARS
 - (C) SAWED TRANSVERSE CONTRACTION JOINT PER STANDARD 420001 WITH HOT POUR SEAL
 - (EX) TRANSVERSE EXPANSION JOINT PER STANDARD 420001
 - (GR) NO BARS, KEYED LONGITUDINAL CONSTRUCTION JOINT WITH ALL KEYS FACING ONE DIRECTION ALONG INSIDE EDGE OF RAMP PAVEMENT AND SURROUNDING SHOULDER GORE
 - (F) LONGITUDINAL CONSTRUCTION JOINT WITH DRILLED & GROUTED #8 DEFORMED EPOXY COATED TIE BARS, 24" LONG AT 24" C-C
 - (J) LONGITUDINAL SAWED JOINT PER STANDARD 420001
 - (SL) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 483001 EXCEPT FOR DRILLED & GROUTED 30" LONG #8 TIE BARS
 - (ST) SAWED TRANSVERSE SHOULDER CONTRACTION JOINT PER STANDARD 483001 (MATCH RAMP PAVEMENT JOINTS IN CORE AREAS)
 - SPACED 15' C-C ALONG OUTSIDE SHOULDER
 - SPACED 20' C-C AT ALL OTHER LOCATIONS



STA	OFFSET	ELEVATION
3539+00	+25	
	+50	
	+75	
3540+00	+25	

STA	OFFSET	ELEVATION
3539+00	+25	

STA	OFFSET	ELEVATION
3546+75		
3547+00		
	+25	
	+50	
	+75	
3548+00	+25	
	+50	
	+75	

FOR PARTIAL WIDTH FRONTAGE ROAD IMPROVEMENTS, EITHER MATCH TRANSVERSE JOINT SPACING OF EXISTING PAVEMENT WITH NEWLY INSTALLED TRANSVERSE JOINTS OR PLACE NEWLY INSTALLED TRANSVERSE JOINTS AT 15'-0" INTERVALS. PLACE NEWLY INSTALLED TRANSVERSE JOINTS AT THE GREATER OF THESE TWO INTERVALS. SEE DETAIL SHEETS RDT-18A AND RDT-18B FOR PCC BASE COURSE JOINT DETAILS. (INCLUDED IN THE COST OF 'PORTLAND CEMENT CONCRETE BASE COURSE 9')

- NOTES:
1. (***) ELEVATION STATIONED OFF OF NB I-94/90 LOCAL LANES OR LA SALLE ST.
 2. (***) ELEVATION STATIONED OFF OF RAMP ALIGNMENT
 3. SEE ALIGNMENT AND TIES SHEETS FOR CURVE INFORMATION
 4. SEE ROADWAY PLAN SHEETS FOR BEGINNING AND END TAPER STATIONS AND TAPER RATES.
 5. PAVEMENT ELEVATIONS ALONG EDGE OF PAVEMENTS, EDGE OF SHOULDERS, GORES, RAMPS AND IN AREAS OF SUPERELEVATION TRANSITION ARE PROVIDED AT 25' INTERVALS, FOR ALL ELEVATIONS, REFER TO THE PROFILES AND TYPICAL SECTIONS.
 6. SEE ROADWAY DETAIL RDT-8 FOR THE TYING OF THE MEDIAN BARRIER BASE TO THE PCC SHOULDER.

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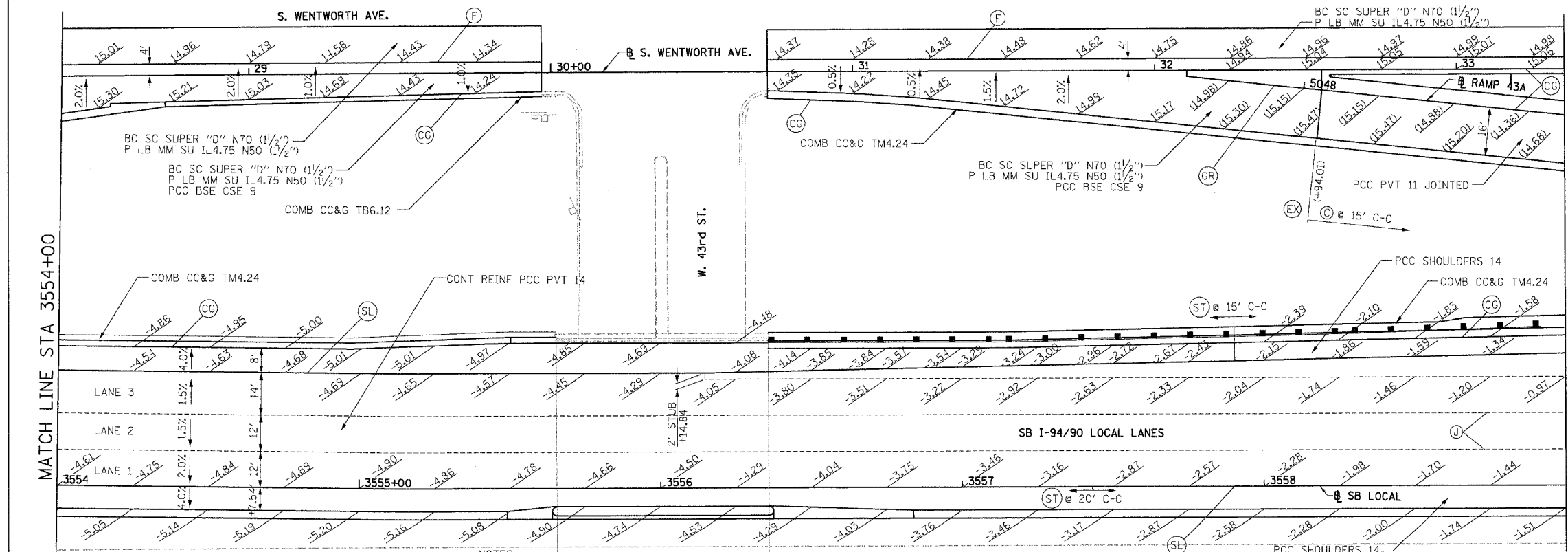
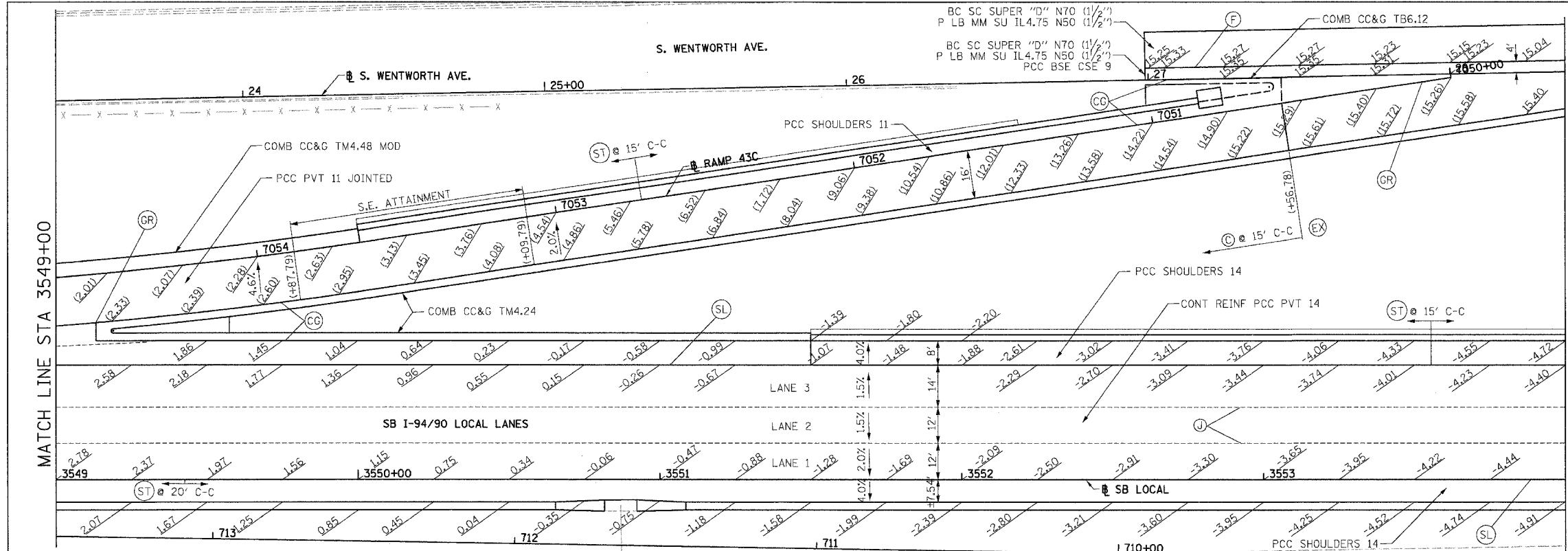
REVISIONS	
NAME	DATE
REVISED	6/23/06

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
PAVEMENT JOINTING
AND ELEVATION PLANS
SCALE: 1"=20'
DATE: 06/09/06
DRAWN BY: JDC
CHECKED BY: RS

11/24/08 AM 6/23/2006

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	588	218
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62303	• (2021-922 PT2 ETC 2324.6-1P) R-11			

- LEGEND:
- (CG) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 606001 WITH DRILLED & GROUTED 24" LONG TIE BARS
 - (C) SAWED TRANSVERSE CONTRACTION JOINT PER STANDARD 420001 WITH HOT POUR SEAL
 - (EX) TRANSVERSE EXPANSION JOINT PER STANDARD 420001
 - (GR) NO BARS, KEYED LONGITUDINAL CONSTRUCTION JOINT WITH ALL KEYS FACING ONE DIRECTION ALONG INSIDE EDGE OF RAMP PAVEMENT AND SURROUNDING SHOULDER GORE
 - (F) LONGITUDINAL CONSTRUCTION JOINT WITH DRILLED & GROUTED #8 DEFORMED EPOXY COATED TIE BARS, 24" LONG AT 24" C-C
 - (J) LONGITUDINAL SAWED JOINT PER STANDARD 420001
 - (SL) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 483001 EXCEPT FOR DRILLED & GROUTED 30" LONG #8 TIE BARS
 - (ST) SAWED TRANSVERSE SHOULDER CONTRACTION JOINT PER STANDARD 483001 (MATCH RAMP PAVEMENT JOINTS IN GORE AREAS)
 - SPACED 15' C-C ALONG OUTSIDE SHOULDER
 - SPACED 20' C-C AT ALL OTHER LOCATIONS



SWALE ELEVATIONS		
STA	OFFSET	ELEVATION
3549+00		
+25		

FOR PARTIAL WIDTH FRONTAGE ROAD IMPROVEMENTS, EITHER MATCH TRANSVERSE JOINT SPACING OF EXISTING PAVEMENT WITH NEWLY INSTALLED TRANSVERSE JOINTS OR PLACE NEWLY INSTALLED TRANSVERSE JOINTS AT 15'-0" INTERVALS. PLACE NEWLY INSTALLED TRANSVERSE JOINTS AT THE GREATER OF THESE TWO INTERVALS. SEE DETAIL SHEETS RDT-18A AND RDT-18B FOR PCC BASE COURSE JOINT DETAILS. (INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE BASE COURSE 9")

- NOTES:
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 3. SEE ALIGNMENT AND TIES SHEETS FOR CURVE INFORMATION
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 5. PAVEMENT ELEVATIONS ALONG EDGE OF PAVEMENTS, EDGE OF SHOULDERS, GORES, RAMP AND IN AREAS OF SUPERELEVATION TRANSITION ARE PROVIDED AT 25' INTERVALS, FOR ALL ELEVATIONS, REFER TO THE PROFILES AND TYPICAL SECTIONS.
 6. SEE ROADWAY DETAIL RDT-8 FOR THE TYING OF THE MEDIAN BARRIER BASE TO THE PCC SHOULDER.

REVISIONS	
NAME	DATE
REVISOR	6/23/06

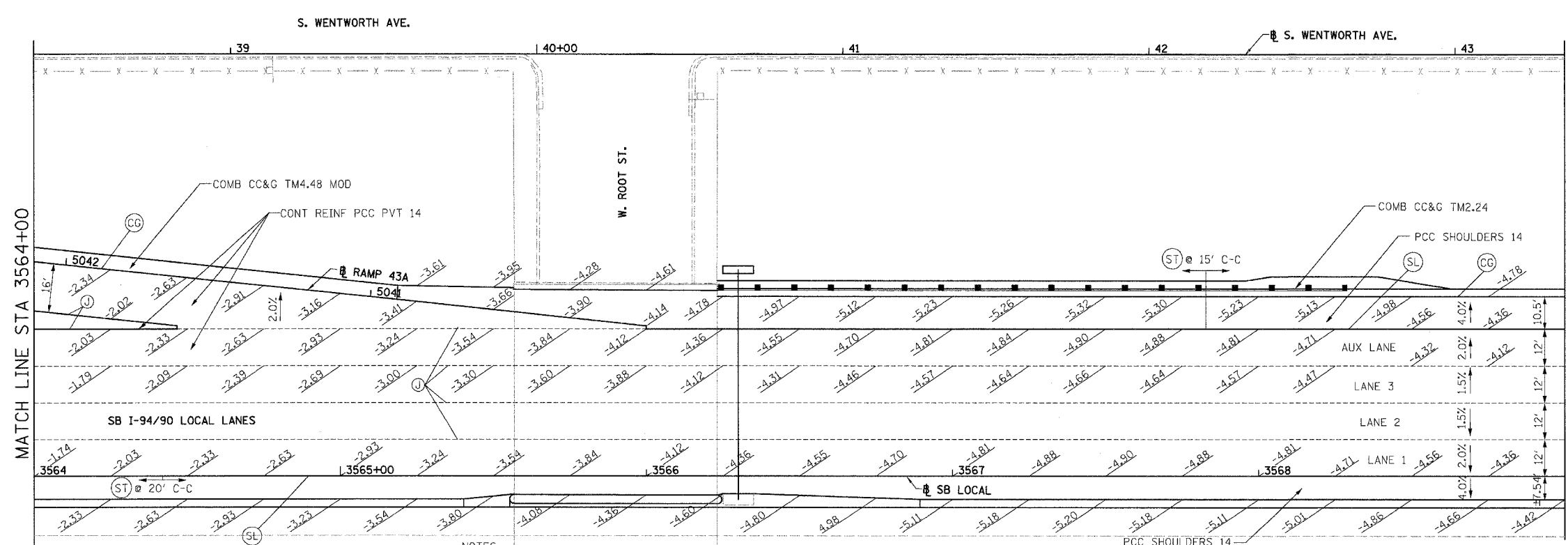
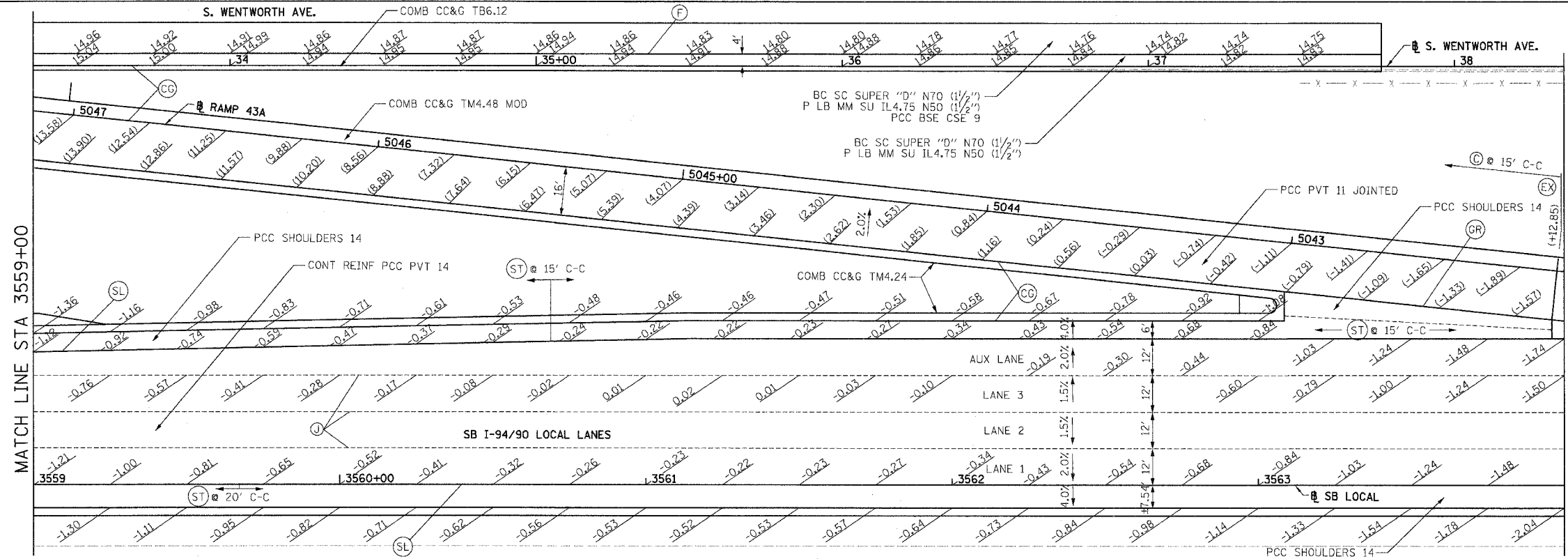
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
**PAVEMENT JOINTING
 AND ELEVATION PLANS**
 SCALE: 1"=20'
 DATE: 06/09/06
 DRAWN BY: JDC
 CHECKED BY: RS

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6/23/2006 11:25:46 AM

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	588	219
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62303	(2021-922 PT2 ETC 2324.6-1P) R-11			

- LEGEND:**
- (CG) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 606001 WITH DRILLED & GROUTED 24" LONG TIE BARS
 - (C) SAWED TRANSVERSE CONTRACTION JOINT PER STANDARD 420001 WITH HOT POUR SEAL
 - (EX) TRANSVERSE EXPANSION JOINT PER STANDARD 420001
 - (GR) NO BARS, KEYED LONGITUDINAL CONSTRUCTION JOINT WITH ALL KEYS FACING ONE DIRECTION ALONG INSIDE EDGE OF RAMP PAVEMENT AND SURROUNDING SHOULDER GORE
 - (F) LONGITUDINAL CONSTRUCTION JOINT WITH DRILLED & GROUTED #8 DEFORMED EPOXY COATED TIE BARS, 24" LONG AT 24" C-C
 - (J) LONGITUDINAL SAWED JOINT PER STANDARD 420001
 - (SL) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 483001 EXCEPT FOR DRILLED & GROUTED 30" LONG #8 TIE BARS
 - (ST) SAWED TRANSVERSE SHOULDER CONTRACTION JOINT PER STANDARD 483001 (MATCH RAMP PAVEMENT JOINTS IN GORE AREAS)
 - SPACED 15' C-C ALONG OUTSIDE SHOULDER
 - SPACED 20' C-C AT ALL OTHER LOCATIONS



SWALE ELEVATIONS		
STA	OFFSET	ELEVATION
3563+00		
	+25	
	+50	
	+75	
3564+00		

FOR PARTIAL WIDTH FRONTAGE ROAD IMPROVEMENTS, EITHER MATCH TRANSVERSE JOINT SPACING OF EXISTING PAVEMENT WITH NEWLY INSTALLED TRANSVERSE JOINTS OR PLACE NEWLY INSTALLED TRANSVERSE JOINTS AT 15'-0" INTERVALS. PLACE NEWLY INSTALLED TRANSVERSE JOINTS AT THE GREATER OF THESE TWO INTERVALS. SEE DETAIL SHEETS RDT-18A AND RDT-18B FOR PCC BASE COURSE JOINT DETAILS. (INCLUDED IN THE COST OF 'PORTLAND CEMENT CONCRETE BASE COURSE 9')

- NOTES:**
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REVISIONS	
NAME	DATE
REVISED	6/23/06

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
**PAVEMENT JOINTING
AND ELEVATION PLANS**

SCALE: 1"=20'
DATE: 06/09/06
DRAWN BY: JDC
CHECKED BY: RS

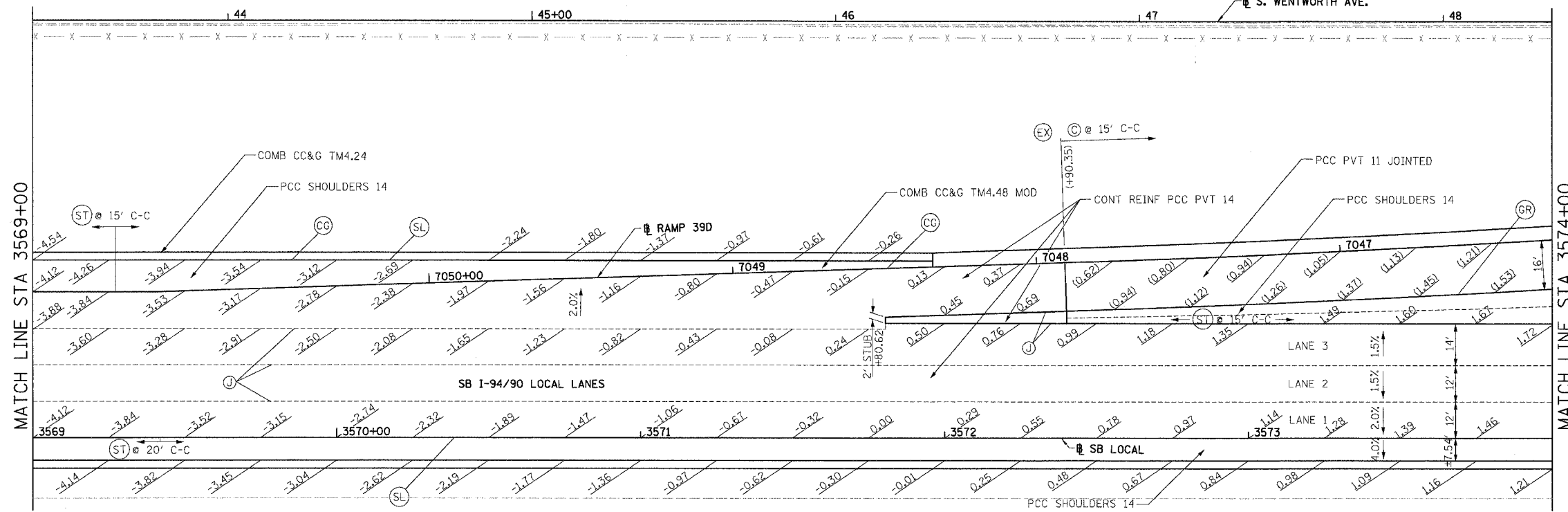
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S. WENTWORTH AVE.

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	588	220
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
62303 • (2021-922 PT2 ETC 2324.6-1P) R-11				

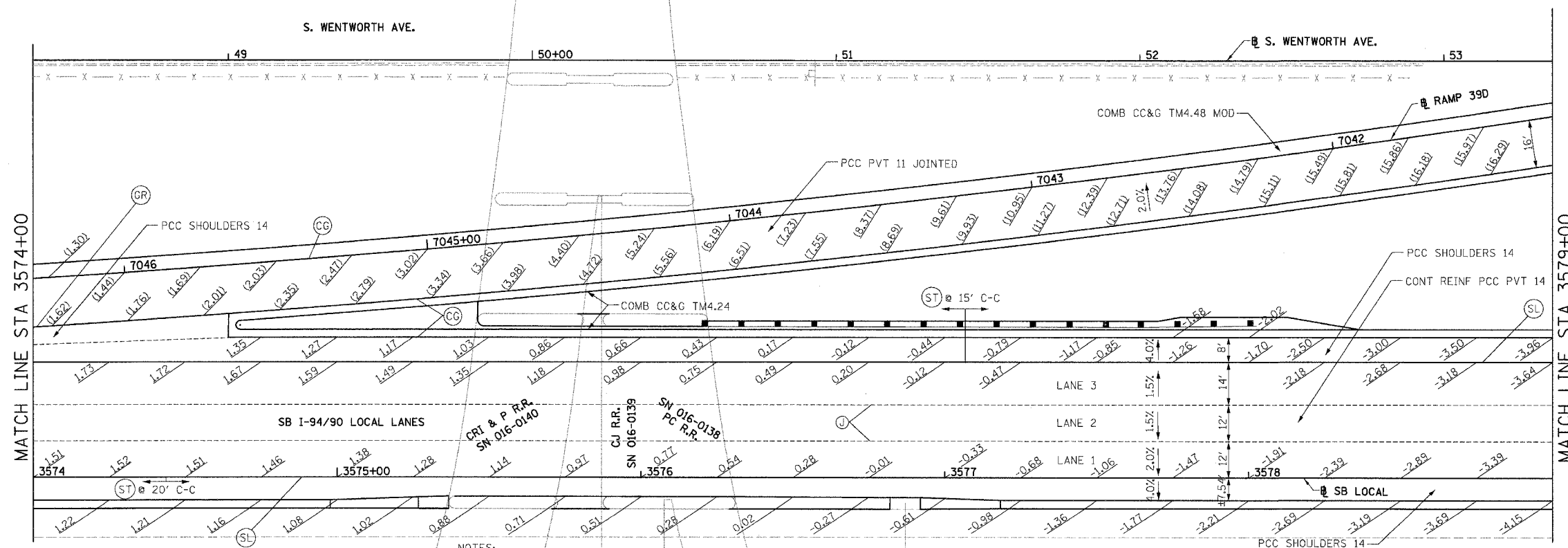
LEGEND:

- (CC) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 606001 WITH DRILLED & GROUTED 24" LONG TIE BARS
- (C) SAWED TRANSVERSE CONTRACTION JOINT PER STANDARD 420001 WITH HOT POUR SEAL
- (EX) TRANSVERSE EXPANSION JOINT PER STANDARD 420001
- (GR) NO BARS, KEYS LONGITUDINAL CONSTRUCTION JOINT WITH ALL KEYS FACING ONE DIRECTION ALONG INSIDE EDGE OF RAMP PAVEMENT AND SURROUNDING SHOULDER GORE
- (F) LONGITUDINAL CONSTRUCTION JOINT WITH DRILLED & GROUTED #8 DEFORMED EPOXY COATED TIE BARS, 24" LONG AT 24" C-C
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- (L) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 420001 EXCEPT FOR DRILLED & GROUTED 24" LONG #8 TIE BARS. SEAL PER ASTM D 3405
- (SL) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 483001 EXCEPT FOR DRILLED & GROUTED 30" LONG #8 TIE BARS
- (ST) SAWED TRANSVERSE SHOULDER CONTRACTION JOINT PER STANDARD 483001 (MATCH RAMP PAVEMENT JOINTS IN GORE AREAS)
 - SPACED 15' C-C ALONG OUTSIDE SHOULDER
 - SPACED 20' C-C AT ALL OTHER LOCATIONS



S. WENTWORTH AVE.

STA	OFFSET	ELEVATION
3572+25		
+50		
+75		
3573+00		
+25		
+50		
+75		
3574+00		
+25		
+50		
+75		



FOR PARTIAL WIDTH FRONTAGE ROAD IMPROVEMENTS, EITHER MATCH TRANSVERSE JOINT SPACING OF EXISTING PAVEMENT WITH NEWLY INSTALLED TRANSVERSE JOINTS OR PLACE NEWLY INSTALLED TRANSVERSE JOINTS AT 15'-0" INTERVALS. PLACE NEWLY INSTALLED TRANSVERSE JOINTS AT THE GREATER OF THESE TWO INTERVALS. SEE DETAIL SHEETS RDT-18A AND RDT-18B FOR PCC BASE COURSE JOINT DETAILS. (INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE BASE COURSE 9")

NOTES:

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REVISIONS	
NAME	DATE
REVISED	6/23/06

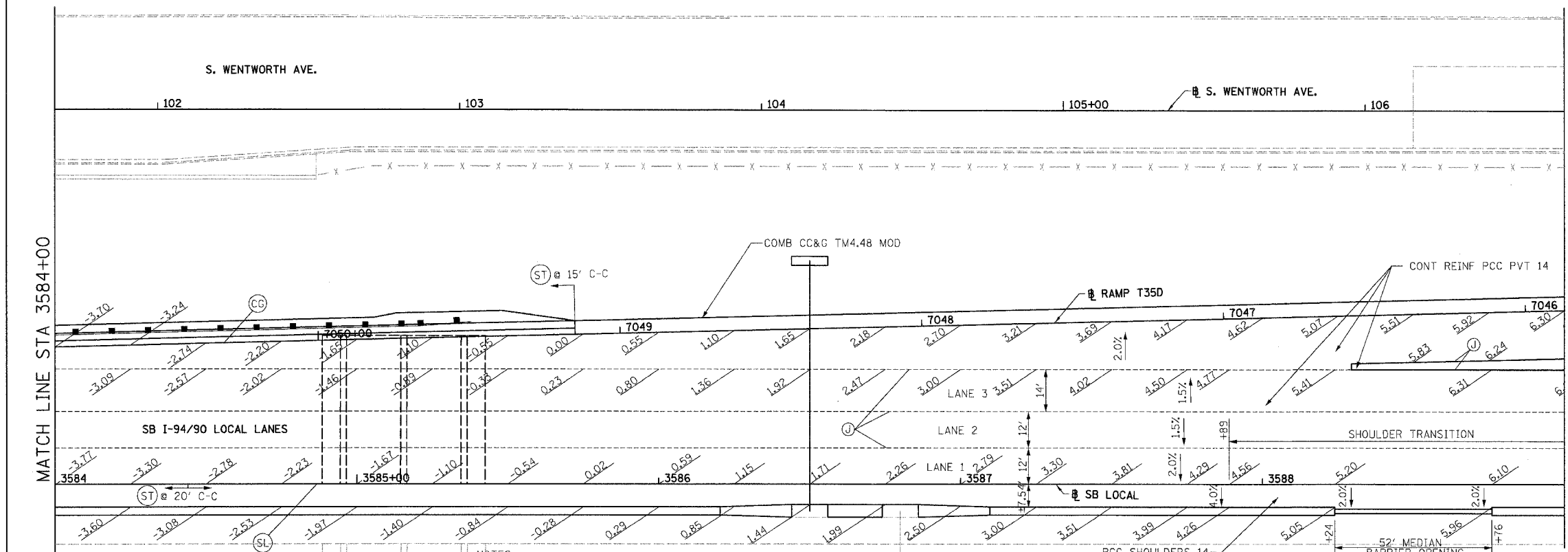
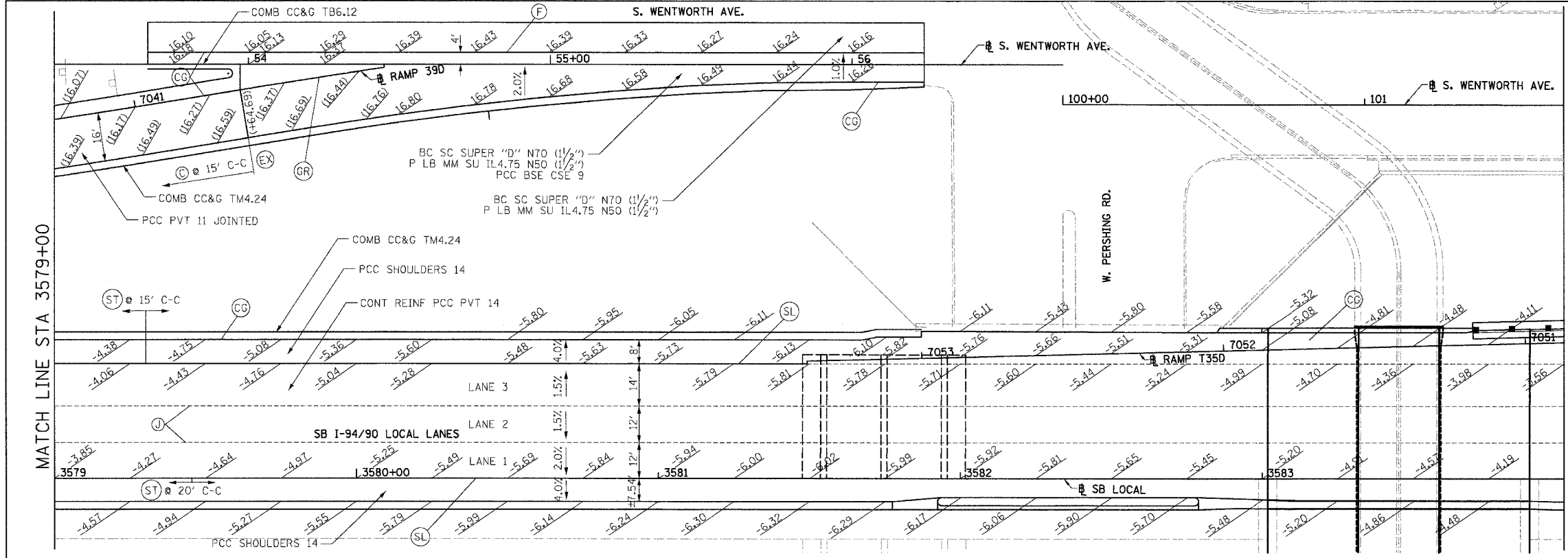
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
PAVEMENT JOINTING
AND ELEVATION PLANS
SCALE: 1"=20'
DATE: 06/09/06
DRAWN BY: JDC
CHECKED BY: RS

JE-11

6/23/2006

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	588	221
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62303 • (2021-922 PT2 ETC 2324.6-1P) R-11				

- LEGEND:
- (CC) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 606001 WITH DRILLED & GROUTED 24" LONG TIE BARS
 - (C) SAWED TRANSVERSE CONTRACTION JOINT PER STANDARD 420001 WITH HOT POUR SEAL
 - (EX) TRANSVERSE EXPANSION JOINT PER STANDARD 420001
 - (GR) NO BARS, KEYED LONGITUDINAL CONSTRUCTION JOINT WITH ALL KEYS FACING ONE DIRECTION ALONG INSIDE EDGE OF RAMP PAVEMENT AND SURROUNDING SHOULDER GORE
 - (F) LONGITUDINAL CONSTRUCTION JOINT WITH DRILLED & GROUTED #8 DEFORMED EPOXY COATED TIE BARS, 24" LONG AT 24" C-C
 - (J) LONGITUDINAL SAWED JOINT PER STANDARD 420001
 - (J) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 420001 EXCEPT FOR DRILLED & GROUTED 24" LONG #8 TIE BARS. SEAL PER ASTM D 3405
 - (SL) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 483001 EXCEPT FOR DRILLED & GROUTED 30" LONG #8 TIE BARS
 - (ST) SAWED TRANSVERSE SHOULDER CONTRACTION JOINT PER STANDARD 483001 (MATCH RAMP PAVEMENT JOINTS IN GORE AREAS)
 - SPACED 15' C-C ALONG OUTSIDE SHOULDER
 - SPACED 20' C-C AT ALL OTHER LOCATIONS



FOR PARTIAL WIDTH FRONTAGE ROAD IMPROVEMENTS, EITHER MATCH TRANSVERSE JOINT SPACING OF EXISTING PAVEMENT WITH NEWLY INSTALLED TRANSVERSE JOINTS OR PLACE NEWLY INSTALLED TRANSVERSE JOINTS AT 15'-0" INTERVALS. PLACE NEWLY INSTALLED TRANSVERSE JOINTS AT THE GREATER OF THESE TWO INTERVALS. SEE DETAIL SHEETS RDT-18A AND RDT-18B FOR PCC BASE COURSE JOINT DETAILS. (INCLUDED IN THE COST OF 'PORTLAND CEMENT CONCRETE BASE COURSE 9"')

- NOTES:
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REVISIONS	
NAME	DATE
REVISOR	6/23/06

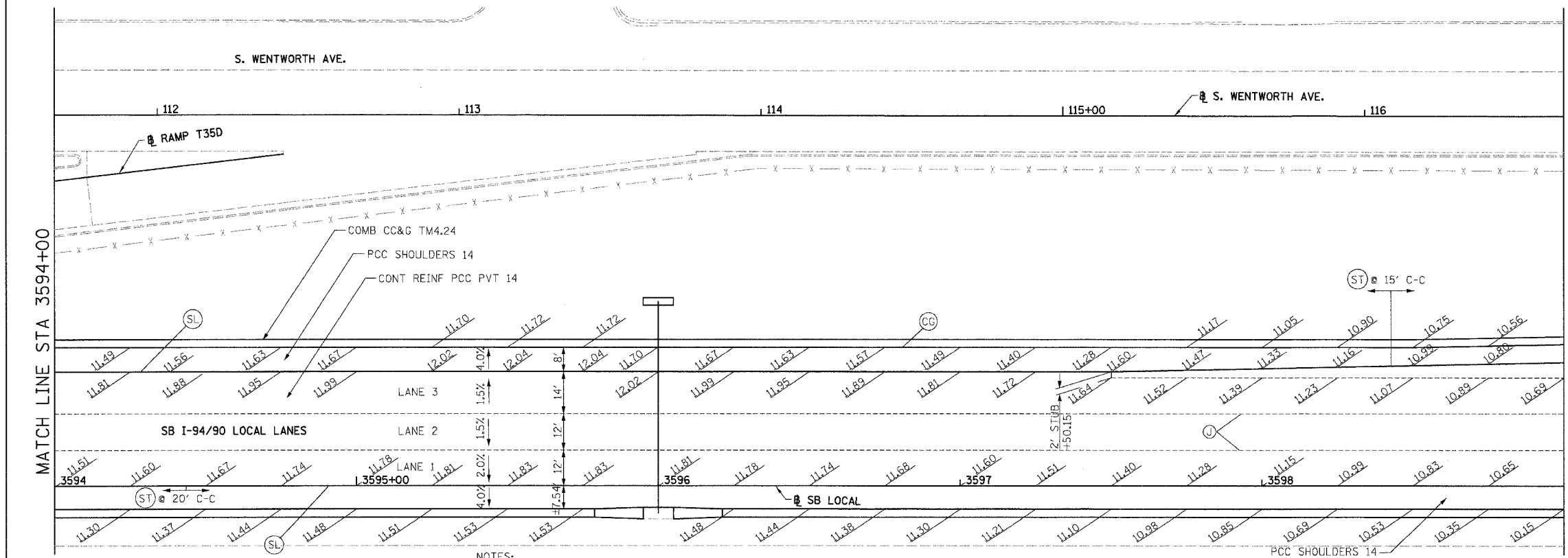
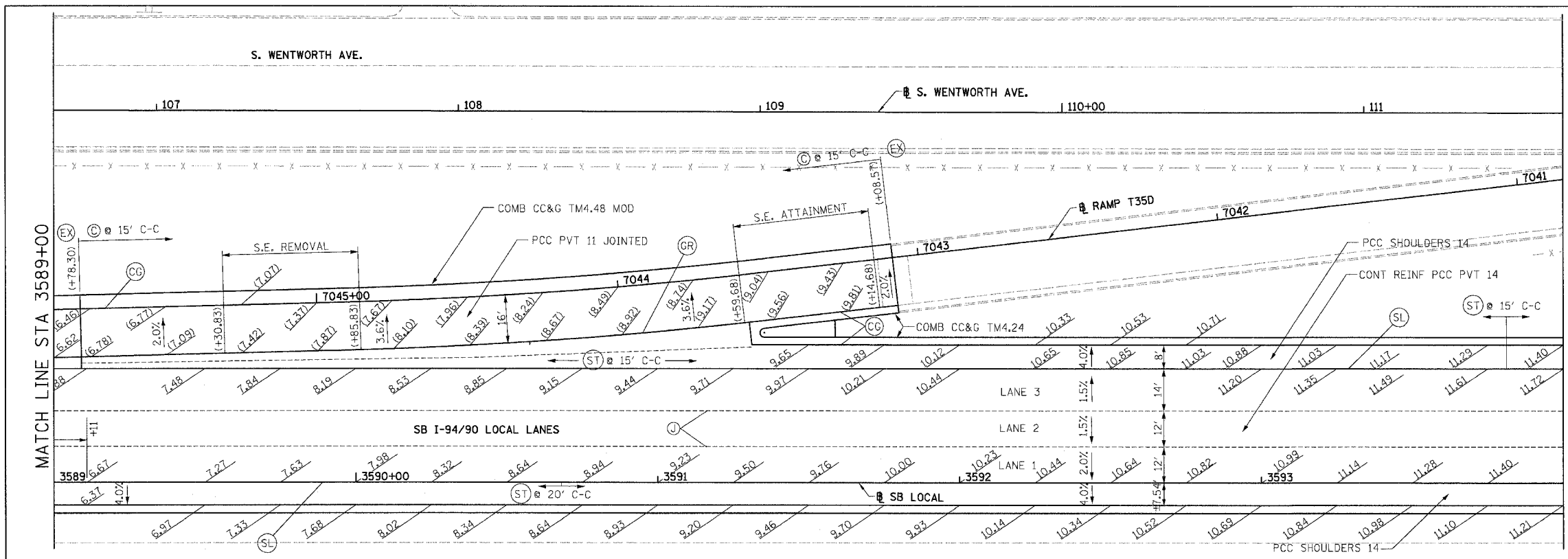
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
PAVEMENT JOINTING
AND ELEVATION PLANS
SCALE: 1"=20'
DATE: 06/09/06
DRAWN BY: JDC
CHECKED BY: RS

6/23/2006 11:26:07 AM

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	588	222
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62303	(2021-922 PT2 ETC 2324.6-1P) R-11			

LEGEND:

- (CG) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 606001 WITH DRILLED & GROUTED 24" LONG TIE BARS
- (C) SAWED TRANSVERSE CONTRACTION JOINT PER STANDARD 420001 WITH HOT POUR SEAL
- (EX) TRANSVERSE EXPANSION JOINT PER STANDARD 420001
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- (F) LONGITUDINAL CONSTRUCTION JOINT WITH DRILLED & GROUTED #8 DEFORMED EPOXY COATED TIE BARS, 24" LONG AT 24" C-C
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- (SL) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 483001 EXCEPT FOR DRILLED & GROUTED 30" LONG #8 TIE BARS
- (ST) SAWED TRANSVERSE SHOULDER CONTRACTION JOINT PER STANDARD 483001 (MATCH RAMP PAVEMENT JOINTS IN GORE AREAS)
 - SPACED 15' C-C ALONG OUTSIDE SHOULDER
 - SPACED 20' C-C AT ALL OTHER LOCATIONS



SWALE ELEVATIONS		
STA	OFFSET	ELEVATION
3589+00		+25
		+50
		+75
3590+00		+25
		+50
		+75
+3591+00		+25

FOR PARTIAL WIDTH FRONTAGE ROAD IMPROVEMENTS, EITHER MATCH TRANSVERSE JOINT SPACING OF EXISTING PAVEMENT WITH NEWLY INSTALLED TRANSVERSE JOINTS OR PLACE NEWLY INSTALLED TRANSVERSE JOINTS AT 15'-0" INTERVALS. PLACE NEWLY INSTALLED TRANSVERSE JOINTS AT THE GREATER OF THESE TWO INTERVALS. SEE DETAIL SHEETS RDT-18A AND RDT-18B FOR PCC BASE COURSE JOINT DETAILS. (INCLUDED IN THE COST OF 'PORTLAND CEMENT CONCRETE BASE COURSE 9"')

NOTES:

1. (***) ELEVATION STATIONED OFF OF NB I-94/90 LOCAL LANES OR LA SALLE ST.
2. (***) ELEVATION STATIONED OFF OF RAMP ALIGNMENT
3. SEE ALIGNMENT AND TIES SHEETS FOR CURVE INFORMATION
4. SEE ROADWAY PLAN SHEETS FOR BEGINNING AND END TAPER STATIONS AND TAPER RATES.
5. PAVEMENT ELEVATIONS ALONG EDGE OF PAVEMENTS, EDGE OF SHOULDERS, GORES, RAMPS AND IN AREAS OF SUPERELEVATION TRANSITION ARE PROVIDED AT 25' INTERVALS, FOR ALL ELEVATIONS, REFER TO THE PROFILES AND TYPICAL SECTIONS.
6. SEE ROADWAY DETAIL RDT-8 FOR THE TYING OF THE MEDIAN BARRIER BASE TO THE PCC SHOULDER.

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REVISIONS	
NAME	DATE
REVISED	6/23/06

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
PAVEMENT JOINTING
AND ELEVATION PLANS

SCALE: 1"=20'
DATE: 06/09/06

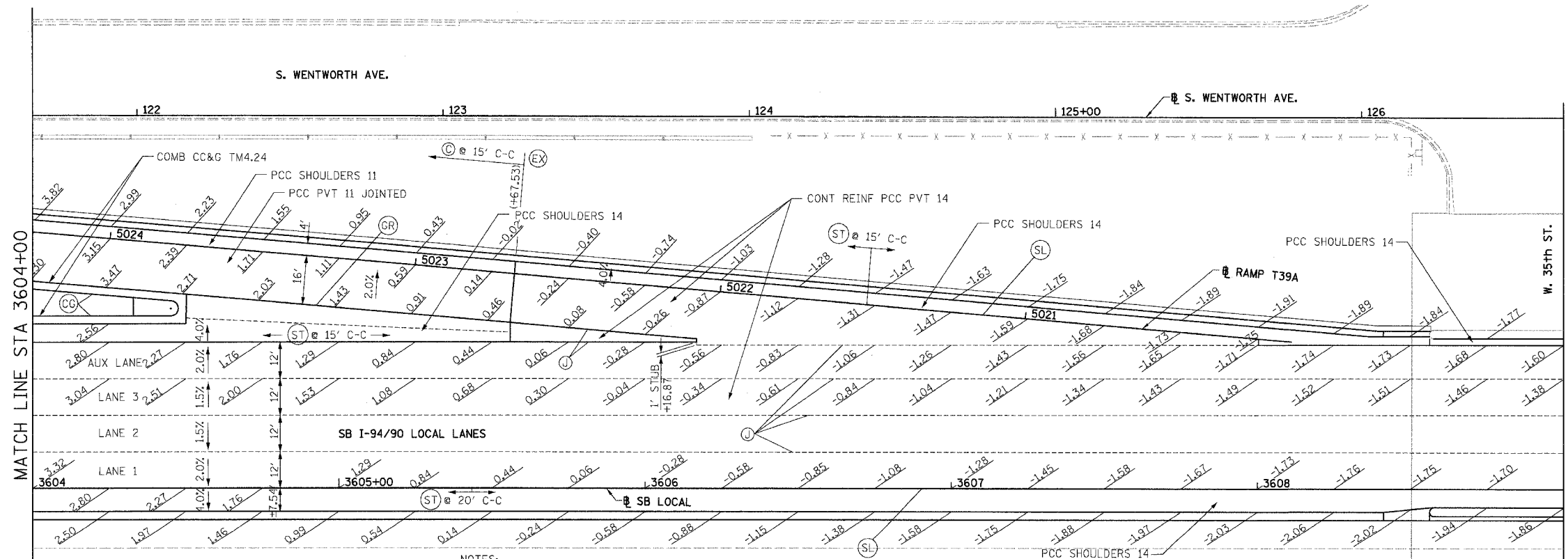
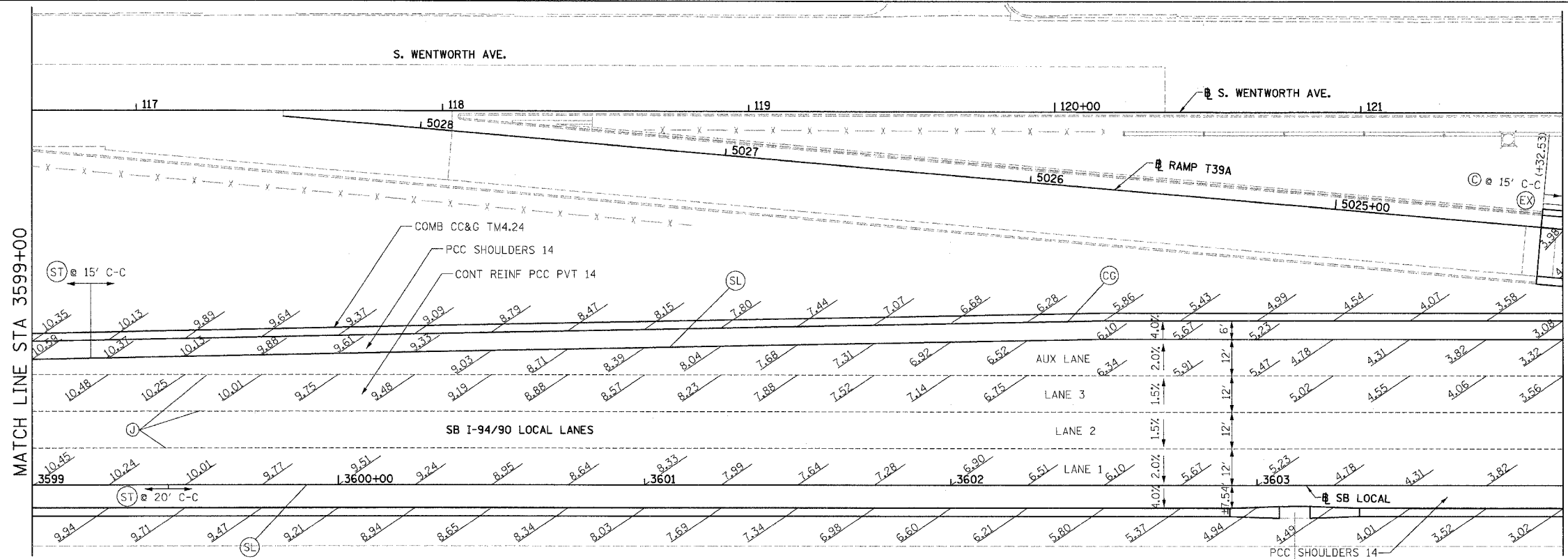
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6/23/2006 11:56:37 AM

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	588	223
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
62303	(2021-922 PT2 ETC 2324.6-1P) R-11			

- LEGEND:**
- (CG) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 606001 WITH DRILLED & GROUTED 24" LONG TIE BARS
 - (C) SAWED TRANSVERSE CONTRACTION JOINT PER STANDARD 420001 WITH HOT POUR SEAL
 - (EX) TRANSVERSE EXPANSION JOINT PER STANDARD 420001
 - (GR) NO BARS, KEYED LONGITUDINAL CONSTRUCTION JOINT WITH ALL KEYS FACING ONE DIRECTION ALONG INSIDE EDGE OF RAMP PAVEMENT AND SURROUNDING SHOULDER GORE
 - (F) LONGITUDINAL CONSTRUCTION JOINT WITH DRILLED & GROUTED #8 DEFORMED EPOXY COATED TIE BARS, 24" LONG AT 24" C-C
 - (J) LONGITUDINAL SAWED JOINT PER STANDARD 420001
 - (SL) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 483001 EXCEPT FOR DRILLED & GROUTED 24" LONG #8 TIE BARS. SEAL PER ASTM D 3405
 - (ST) SAWED TRANSVERSE SHOULDER CONTRACTION JOINT PER STANDARD 483001 (MATCH RAMP PAVEMENT JOINTS IN GORE AREAS)
 - SPACED 15' C-C ALONG OUTSIDE SHOULDER
 - SPACED 20' C-C AT ALL OTHER LOCATIONS



SWALE ELEVATIONS		
STA	OFFSET	ELEVATION
3604+50		
	+75	
3605+00		
	+25	
	+50	
	+75	

FOR PARTIAL WIDTH FRONTAGE ROAD IMPROVEMENTS, EITHER MATCH TRANSVERSE JOINT SPACING OF EXISTING PAVEMENT WITH NEWLY INSTALLED TRANSVERSE JOINTS OR PLACE NEWLY INSTALLED TRANSVERSE JOINTS AT 15'-0" INTERVALS. PLACE NEWLY INSTALLED TRANSVERSE JOINTS AT THE GREATER OF THESE TWO INTERVALS. SEE DETAIL SHEETS RDT-18A AND RDT-18B FOR PCC BASE COURSE JOINT DETAILS. (INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE BASE COURSE 9")

- NOTES:**
1. (***) ELEVATION STATIONED OFF OF NB I-94/90 LOCAL LANES OR LA SALLE ST.
 2. (***) ELEVATION STATIONED OFF OF RAMP ALIGNMENT
 3. SEE ALIGNMENT AND TIES SHEETS FOR CURVE INFORMATION
 4. SEE ROADWAY PLAN SHEETS FOR BEGINNING AND END TAPER STATIONS AND TAPER RATES.
 5. PAVEMENT ELEVATIONS ALONG EDGE OF PAVEMENTS, EDGE OF SHOULDERS, GORES, RAMPS AND IN AREAS OF SUPERELEVATION TRANSITION ARE PROVIDED AT 25' INTERVALS, FOR ALL ELEVATIONS, REFER TO THE PROFILES AND TYPICAL SECTIONS.
 6. SEE ROADWAY DETAIL RDT-8 FOR THE TYING OF THE MEDIAN BARRIER BASE TO THE PCC SHOULDER.

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REVISIONS	
NAME	DATE
REVISED	6/23/06

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
**PAVEMENT JOINTING
AND ELEVATION PLANS**

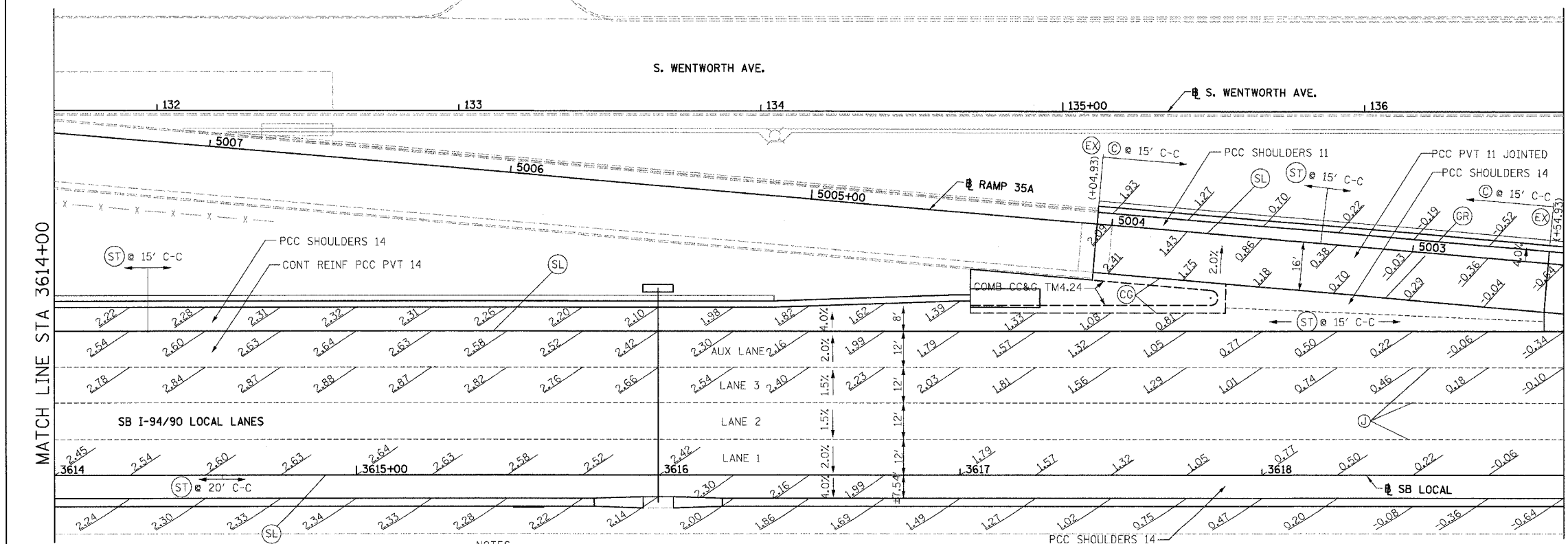
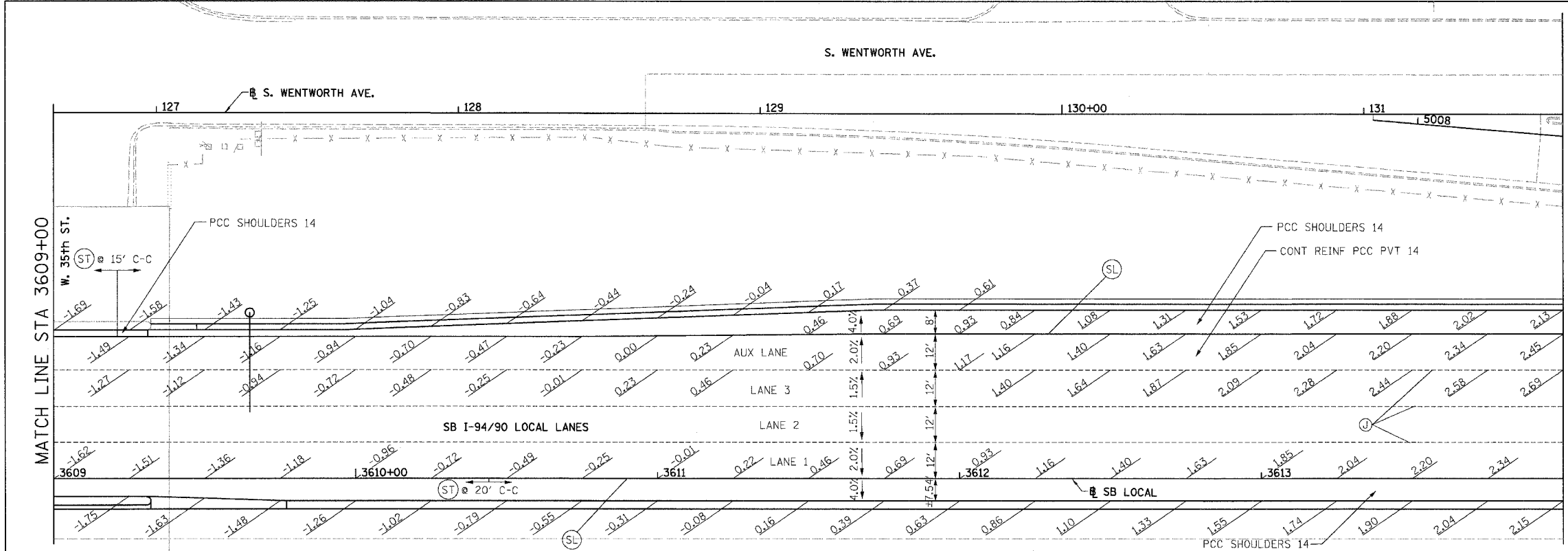
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CHECKED BY: RS

6/23/2006 11:26:56 AM

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	588	224
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
62303	(2021-922 PT2 ETC 2324.6-1P) R-11			

LEGEND:

- (CC) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 606001 WITH DRILLED & GROUTED 24" LONG TIE BARS
- (C) SAWED TRANSVERSE CONTRACTION JOINT PER STANDARD 420001 WITH HOT POUR SEAL
- (EX) TRANSVERSE EXPANSION JOINT PER STANDARD 420001
- (GR) NO BARS, KEYED LONGITUDINAL CONSTRUCTION JOINT WITH ALL KEYS FACING ONE DIRECTION ALONG INSIDE EDGE OF RAMP PAVEMENT AND SURROUNDING SHOULDER GORE
- (F) LONGITUDINAL CONSTRUCTION JOINT WITH DRILLED & GROUTED #8 DEFORMED EPOXY COATED TIE BARS, 24" LONG AT 24" C-C
- (J) LONGITUDINAL SAWED JOINT PER STANDARD 420001
- (SL) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 483001 EXCEPT FOR DRILLED & GROUTED 30" LONG #8 TIE BARS
- (ST) SAWED TRANSVERSE SHOULDER CONTRACTION JOINT PER STANDARD 483001 (MATCH RAMP PAVEMENT JOINTS IN GORE AREAS)
 - SPACED 15' C-C ALONG OUTSIDE SHOULDER
 - SPACED 20' C-C AT ALL OTHER LOCATIONS



SWALE ELEVATIONS		
STA	OFFSET	ELEVATION
3617+75		
3618+00		
	+25	
	+50	
	+75	
3619+00		

FOR PARTIAL WIDTH FRONTAGE ROAD IMPROVEMENTS, EITHER MATCH TRANSVERSE JOINT SPACING OF EXISTING PAVEMENT WITH NEWLY INSTALLED TRANSVERSE JOINTS OR PLACE NEWLY INSTALLED TRANSVERSE JOINTS AT 15'-0" INTERVALS. PLACE NEWLY INSTALLED TRANSVERSE JOINTS AT THE GREATER OF THESE TWO INTERVALS. SEE DETAIL SHEETS RDT-18A AND RDT-18B FOR PCC BASE COURSE JOINT DETAILS. (INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE BASE COURSE 9")

NOTES:

1. (***) ELEVATION STATIONED OFF OF NB I-94/90 LOCAL LANES OR LA SALLE ST.
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NAME	DATE
REVISED	6/23/06

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
PAVEMENT JOINTING
AND ELEVATION PLANS

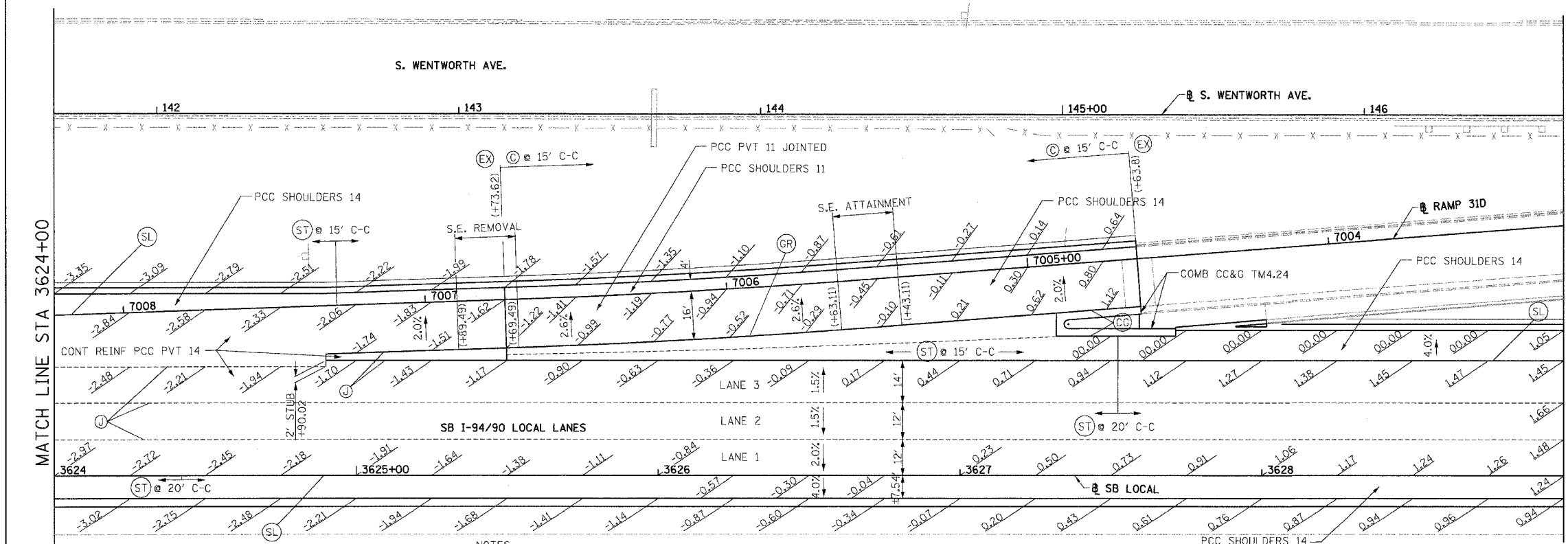
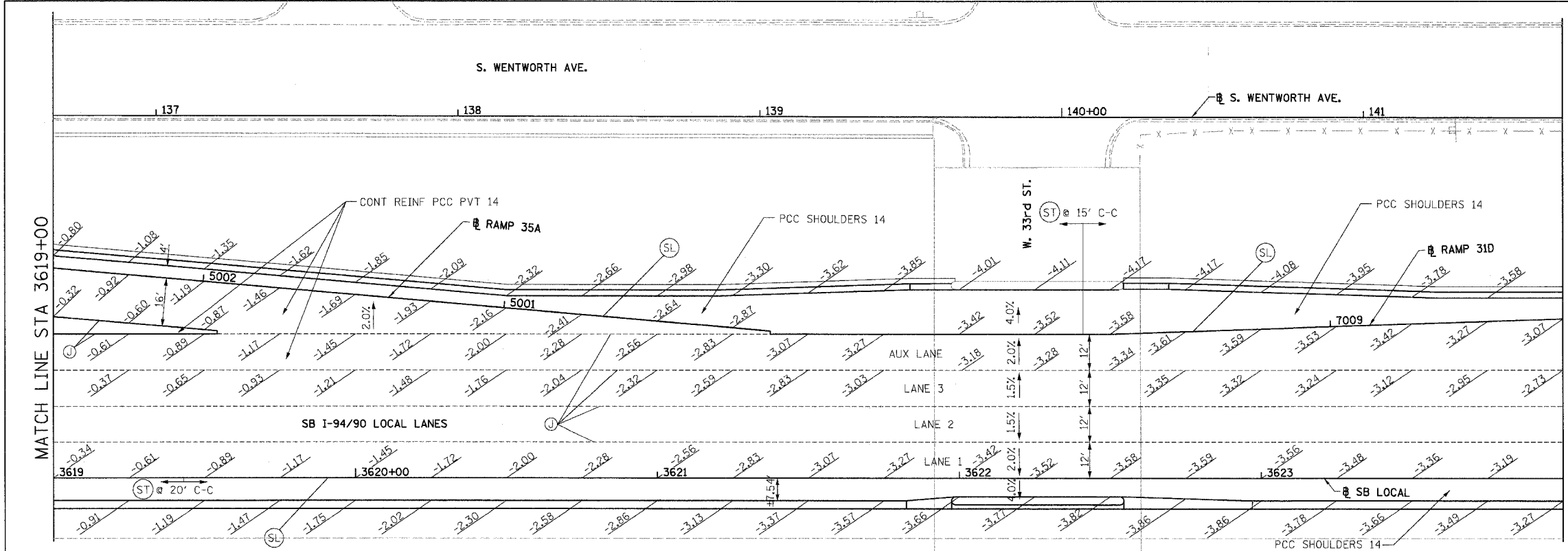
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DATE: 06/09/06

DRAWN BY: JDC
CHECKED BY: RS

6/23/2006 11:27:43 AM

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	588	225
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
62303	(2021-922 PT2 ETC 2324.6-1P) R-11			

- LEGEND:**
- (CC) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 606001 WITH DRILLED & GROUTED 24" LONG TIE BARS
 - (C) SAWED TRANSVERSE CONTRACTION JOINT PER STANDARD 420001 WITH HOT POUR SEAL
 - (EX) TRANSVERSE EXPANSION JOINT PER STANDARD 420001
 - (GR) NO BARS, KEYED LONGITUDINAL CONSTRUCTION JOINT WITH ALL KEYS FACING ONE DIRECTION ALONG INSIDE EDGE OF RAMP PAVEMENT AND SURROUNDING SHOULDER GORE
 - (F) LONGITUDINAL CONSTRUCTION JOINT WITH DRILLED & GROUTED #8 DEFORMED EPOXY COATED TIE BARS, 24" LONG AT 24" C-C
 - (J) LONGITUDINAL SAWED JOINT PER STANDARD 420001
 - (SL) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 420001 EXCEPT FOR DRILLED & GROUTED 24" LONG #8 TIE BARS. SEAL PER ASTM D 3405
 - (SL) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 483001 EXCEPT FOR DRILLED & GROUTED 30" LONG #8 TIE BARS
 - (ST) SAWED TRANSVERSE SHOULDER CONTRACTION JOINT PER STANDARD 483001 (MATCH RAMP PAVEMENT JOINTS IN GORE AREAS)
 - SPACED 15' C-C ALONG OUTSIDE SHOULDER
 - SPACED 20' C-C AT ALL OTHER LOCATIONS



SWALE ELEVATIONS		
STA	OFFSET	ELEVATION
3625+50		
	+75	
3626+00		
	+25	
	+50	
	+75	
3627+00		
	+25	
	+50	

FOR PARTIAL WIDTH FRONTAGE ROAD IMPROVEMENTS, EITHER MATCH TRANSVERSE JOINT SPACING OF EXISTING PAVEMENT WITH NEWLY INSTALLED TRANSVERSE JOINTS OR PLACE NEWLY INSTALLED TRANSVERSE JOINTS AT 15'-0" INTERVALS. PLACE NEWLY INSTALLED TRANSVERSE JOINTS AT THE GREATER OF THESE TWO INTERVALS. SEE DETAIL SHEETS RDT-18A AND RDT-18B FOR PCC BASE COURSE JOINT DETAILS. (INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE BASE COURSE 9")

- NOTES:**
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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
**PAVEMENT JOINTING
AND ELEVATION PLANS**

SCALE: 1"=20'
DATE: 06/09/06

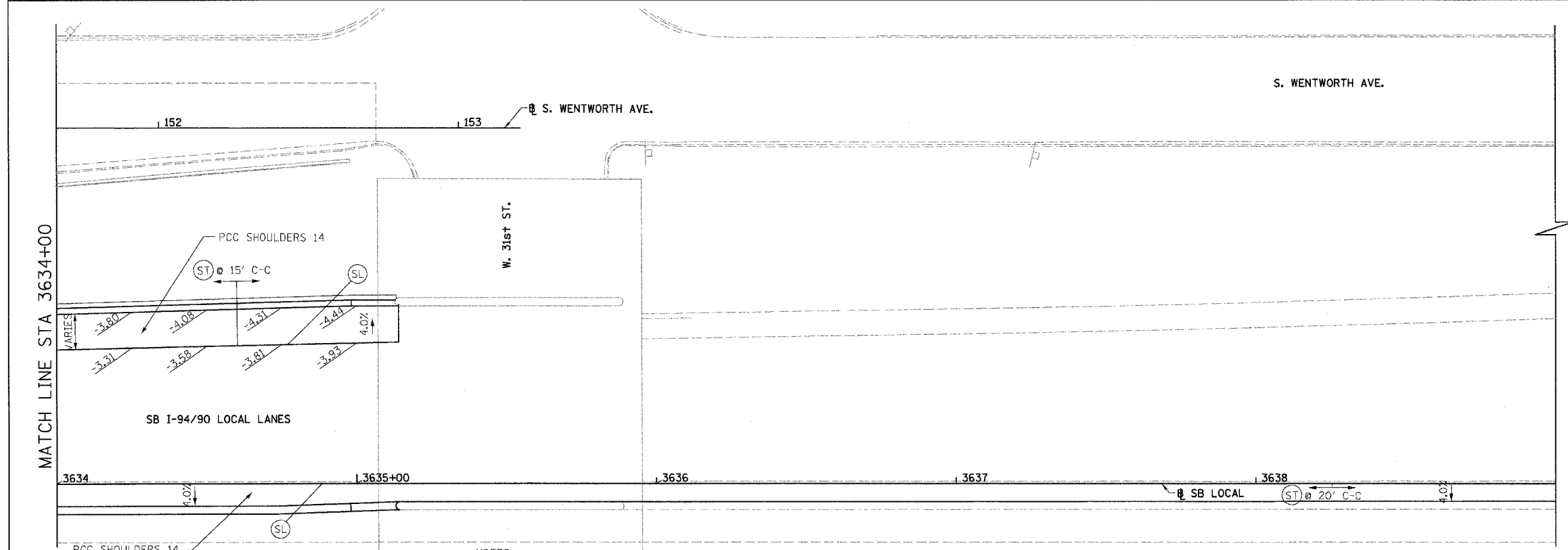
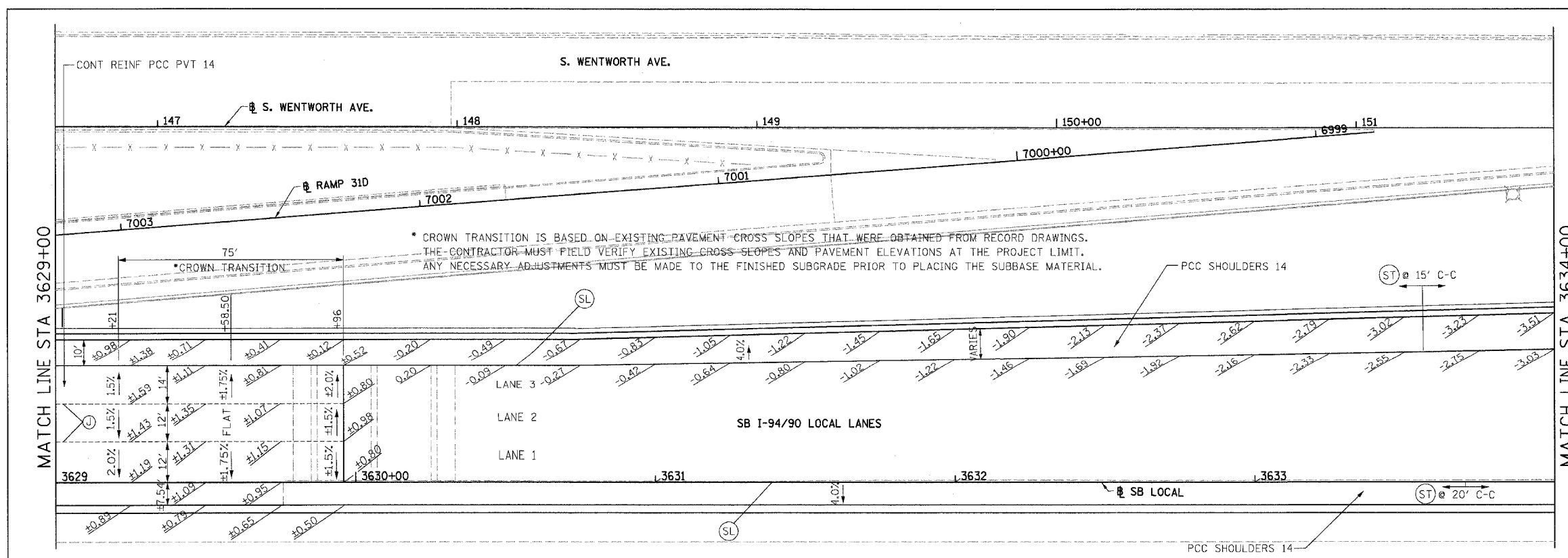
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F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	588	226
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62303 • (2021-922 PT2 ETC 2324.6-1P) R-11				

LEGEND:

- (CG) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 606001 WITH DRILLED & GROUTED 24" LONG TIE BARS
- (C) SAWED TRANSVERSE CONTRACTION JOINT PER STANDARD 420001 WITH HOT POUR SEAL
- (EX) TRANSVERSE EXPANSION JOINT PER STANDARD 420001
- (GR) NO BARS, KEYED LONGITUDINAL CONSTRUCTION JOINT WITH ALL KEYS FACING ONE DIRECTION ALONG INSIDE EDGE OF RAMP PAVEMENT AND SURROUNDING SHOULDER GORE
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- (L) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 420001 EXCEPT FOR DRILLED & GROUTED 24" LONG #8 TIE BARS. SEAL PER ASTM D 3405
- (SL) LONGITUDINAL CONSTRUCTION JOINT PER STANDARD 483001 EXCEPT FOR DRILLED & GROUTED 30" LONG #8 TIE BARS
- (ST) SAWED TRANSVERSE SHOULDER CONTRACTION JOINT PER STANDARD 483001 (MATCH RAMP PAVEMENT JOINTS IN GORE AREAS)
 - SPACED 15' C-C ALONG OUTSIDE SHOULDER
 - SPACED 20' C-C AT ALL OTHER LOCATIONS



NOTES:

1. (***) ELEVATION STATIONED OFF OF NB I-94/90 LOCAL LANES OR LA SALLE ST.
2. (***). ELEVATION STATIONED OFF OF RAMP ALIGNMENT
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6. SEE ROADWAY DETAIL RDT-8 FOR THE TYING OF THE MEDIAN BARRIER BASE TO THE PCC SHOULDER.

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NAME	DATE
REVISED	6/23/06

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)

**PAVEMENT JOINTING
AND ELEVATION PLANS**

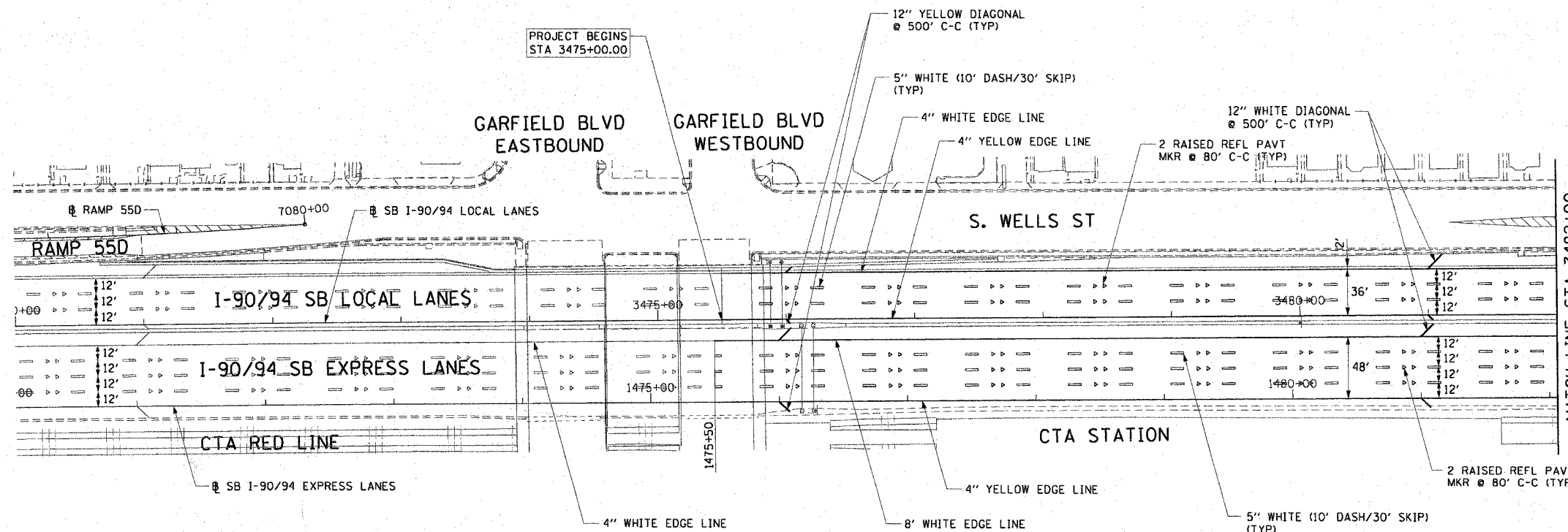
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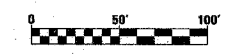
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	588	227
STA. 3475+50		TO STA. 3482+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
62303		* (2021-922 PT2 ETC 2324.6-1P) R-11		

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- NOTES:**
1. ALL PAVEMENT MARKINGS SHALL BE POLYUREA.
 2. FOR PAVEMENT MARKING DETAILS, SEE DISTRICT 1 STANDARDS TC-12 AND TC-13.
 3. PAVEMENT MARKINGS SHALL MATCH THOSE OF CONTRACT 3475+50.
 4. SHOULDER DIAGONAL SPACING AND RAISED REFLECTIVE PAVMENT MARKING SPACING SHALL BE COORDINATED WITH THE SPACING OF CONTRACT 60A63.



REVISIONS	
NAME	DATE

PM-1

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)

PROPOSED PAVEMENT MARKING PLANS

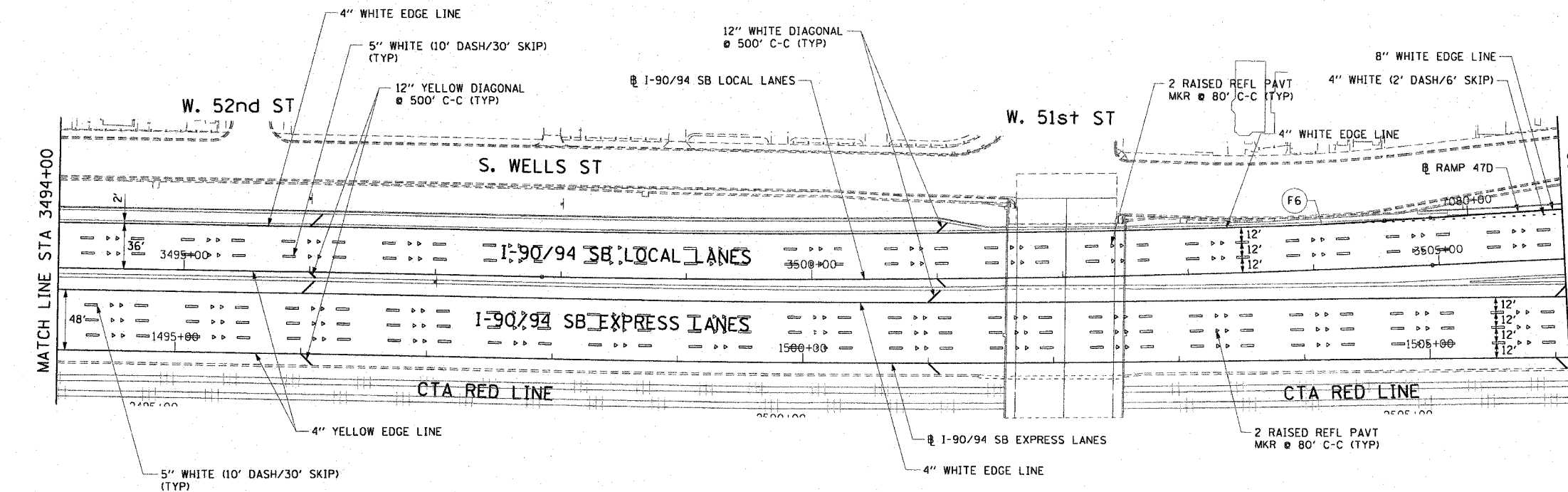
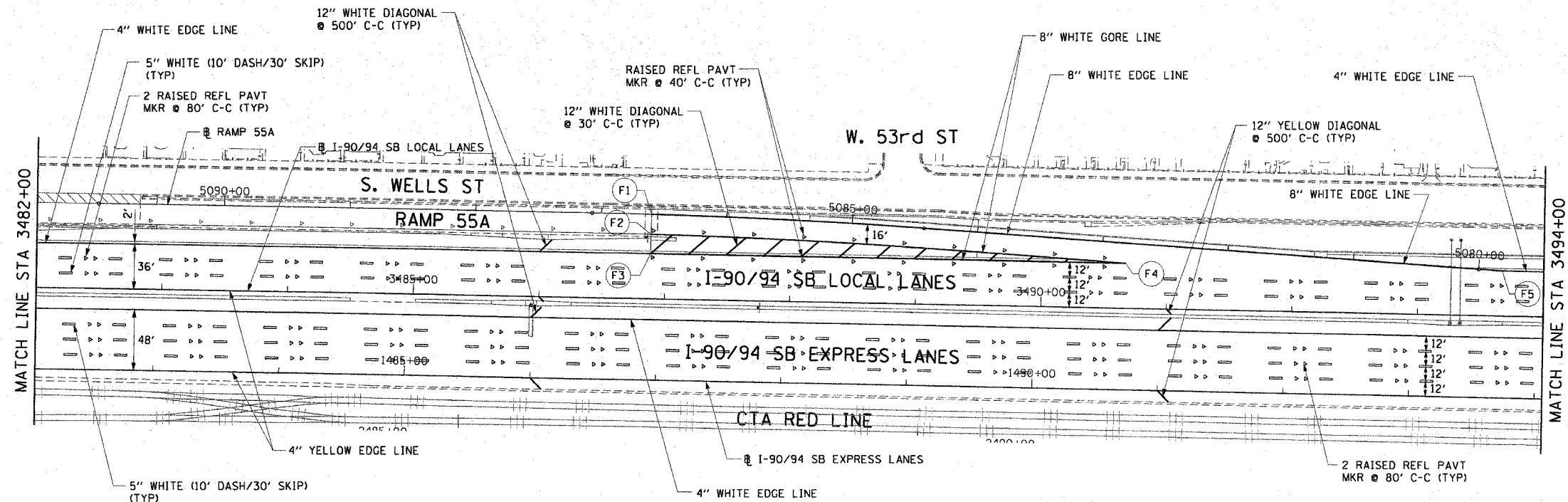
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CTE | AECOM

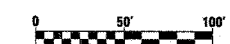
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	588	228
STA. 3482+00		TO STA. 3506+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
62303 • (2021-922 PT2 ETC 2324.6-1P) R-11				



- NOTES:
1. ALL PAVEMENT MARKINGS SHALL BE POLYUREA.
 2. FOR PAVEMENT MARKING DETAILS, SEE DISTRICT 1 STANDARDS TC-12 AND TC-13.
 3. THE PAVEMENT MARKINGS SHALL MATCH THOSE OF CONTRACT 62799 AT RAMP 55A.

PT.	STATION	OFFSET
F1	3486+88.85	67.50' LT
F2	3486+88.69	51.50' LT
F3	3486+88.53	36.00' LT
F4	3490+67.06	36.00' LT
F5	3493+66.86	36.00' LT
F6	3504+08.17	36.00' LT

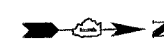
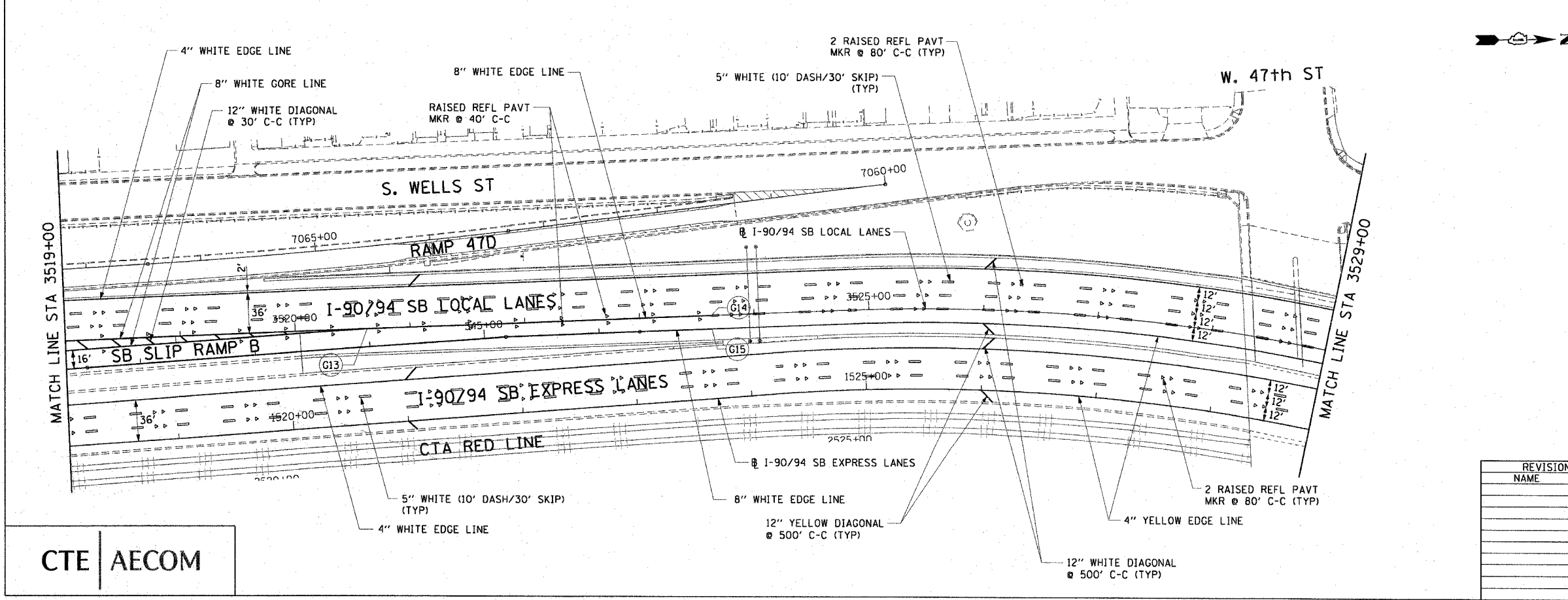
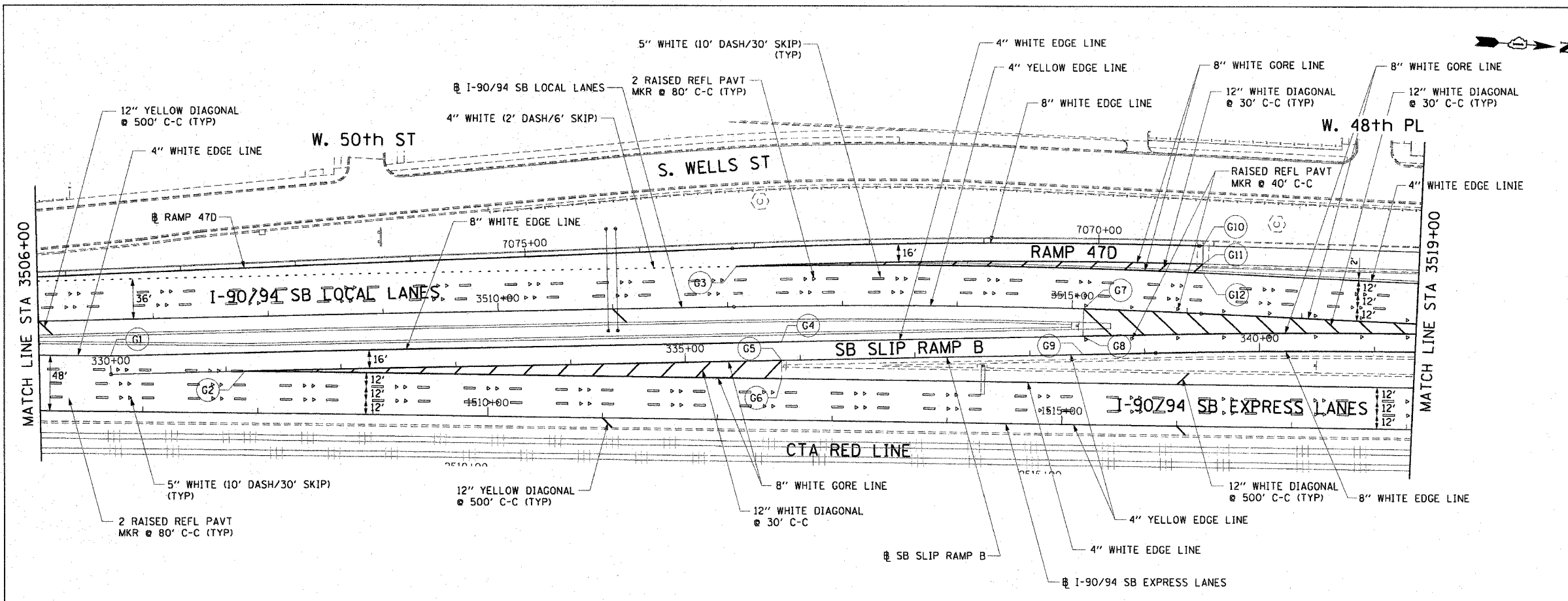


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
PROPOSED PAVEMENT MARKING PLANS
 SCALE: 1"=50'
 DATE: June 9, 2006
 DRAWN BY: PHP
 CHECKED BY: NJH

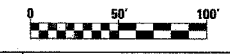
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- NOTES:
1. ALL PAVEMENT MARKINGS SHALL BE POLYUREA.
 2. FOR PAVEMENT MARKING DETAILS, SEE DISTRICT 1 STANDARDS TC-12 AND TC-13.
 3. THE PAVEMENT MARKINGS SHALL MATCH THOSE OF CONTRACT 62799 AT RAMP 47D.

PT.	STATION	OFFSET
G1	330+00.00	16.00' LT
G2	1507+88.47	36.00' LT
G3	3512+08.62	36.00' LT
G4	335+84.00	16.00' LT
G5	1512+55.63	52.00' LT
G6	1512+55.63	36.00' LT
G7	3515+10.04	0.00'
G8	3515+10.04	24.01' RT
G9	338+46.45	0.00'
G10	3516+11.51	60.00' LT
G11	3516+11.82	44.00' LT
G12	3516+12.45	36.00' LT
G13	3520+62.80	0.00'
G14	3523+62.80	0.00'
G15	3523+62.80	12.00' RT



PM-3

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)

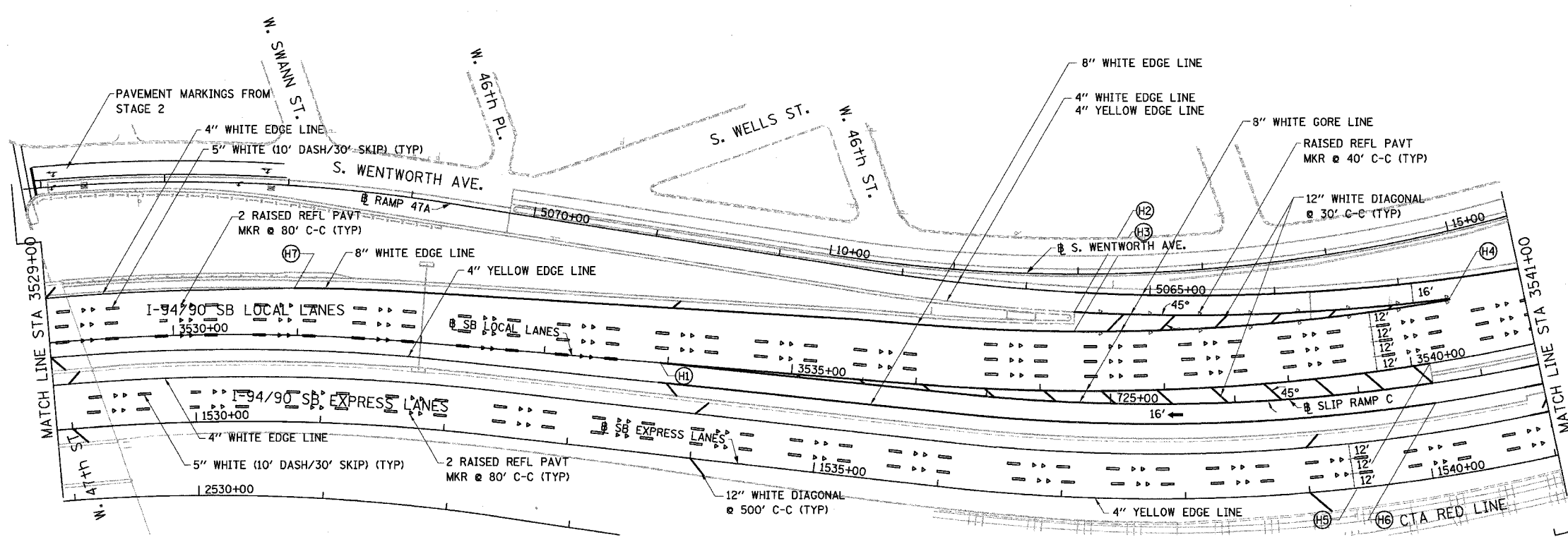
PROPOSED PAVEMENT MARKING PLANS

SCALE: 1"=50'
DATE: June 9, 2006
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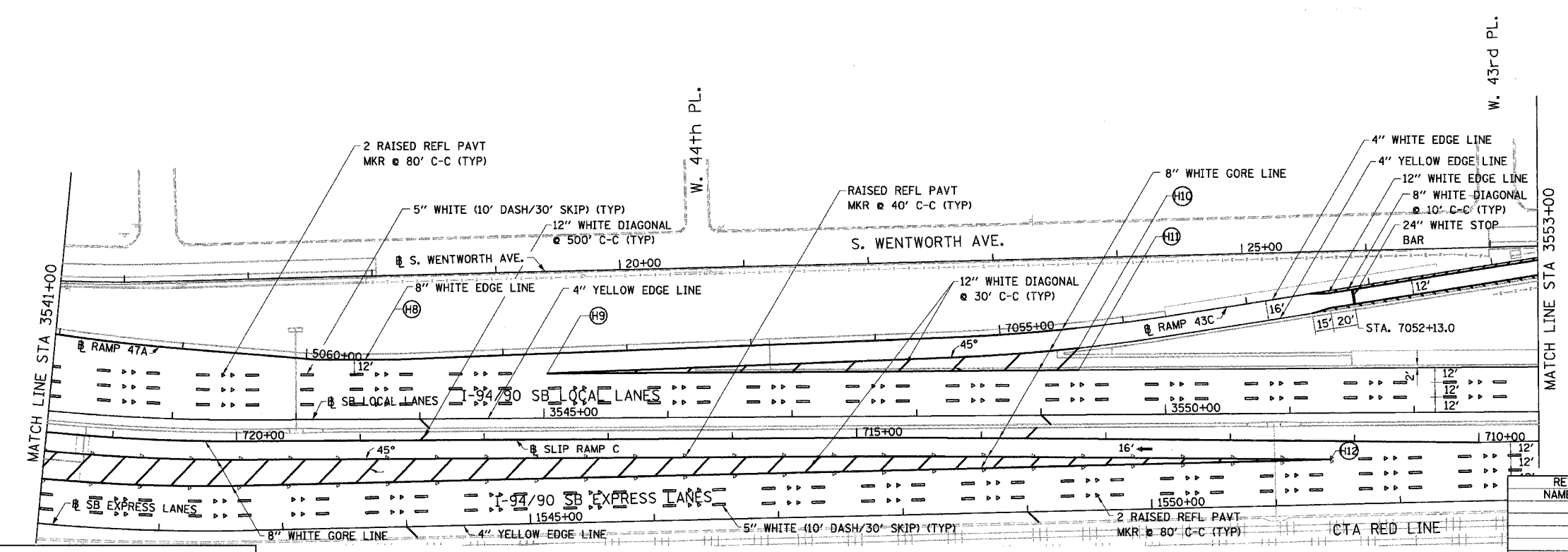
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F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	230
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
62303	*I2021-922 PT2 ETC 2324.6-1P) R-11			

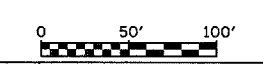


PI	STATION	OFFSET
H1	3533+93.97	00.00' RT
H2	5065+60.07	16.00' LT
H3	3537+27.00	48.00' LT
H4	3540+39.3	48.00' LT
H5	3540+14.78	00.00' RT
H6	0722+39.74	16.00' LT
H7	3530+96.50	38.00' LT

- NOTES:
1. ALL PAVEMENT MARKINGS MUST BE POLYUREA
 2. FOR PAVEMENT MARKING DETAILS, SEE DISTRICT 1 STANDARDS TC-12 AND TC-13.



PI	STATION	OFFSET
H8	3543+19.83	48.00' LT
H9	3545+02.85	36.00' LT
H10	7054+38.15	16.00' LT
H11	3549+30.38	36.00' LT
H12	1551+44.57	36.00' LT



PM-04

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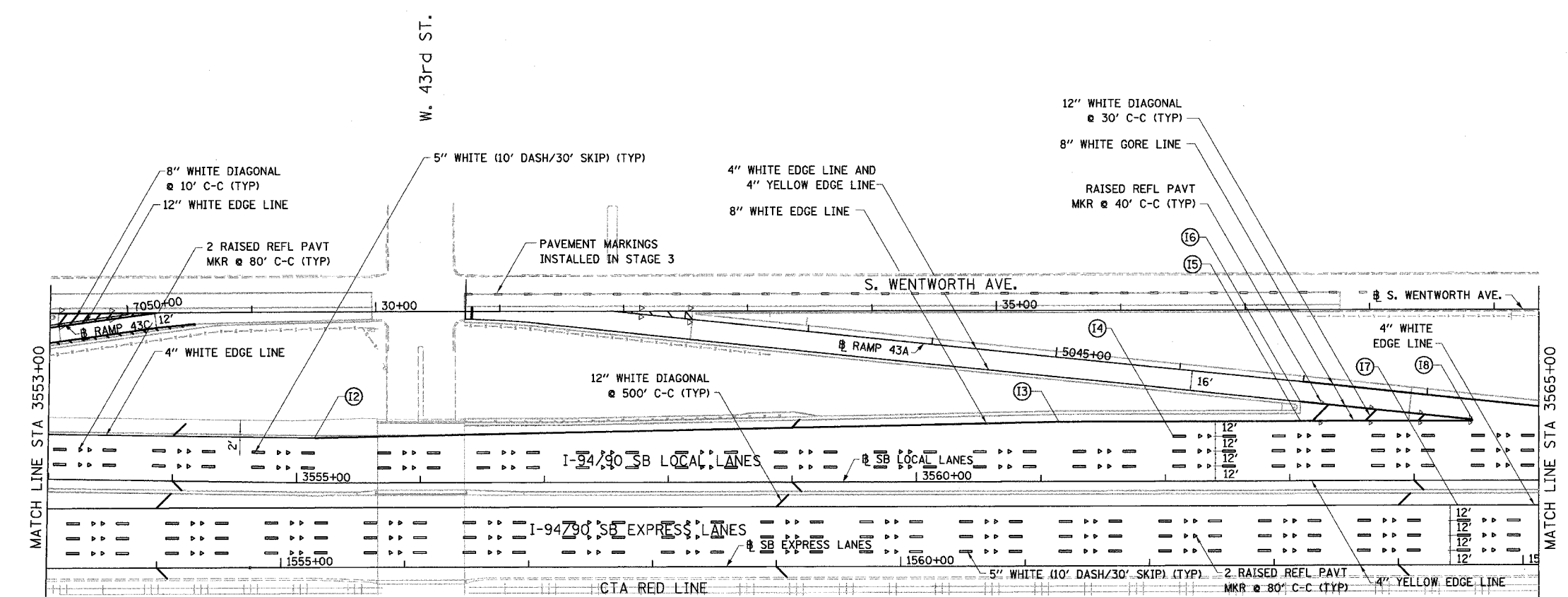
REVISIONS	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
PROPOSED PAVEMENT MARKING PLANS

SCALE: 1"=50'
DATE: 06/09/06
DRAWN BY: RA
CHECKED BY: RS

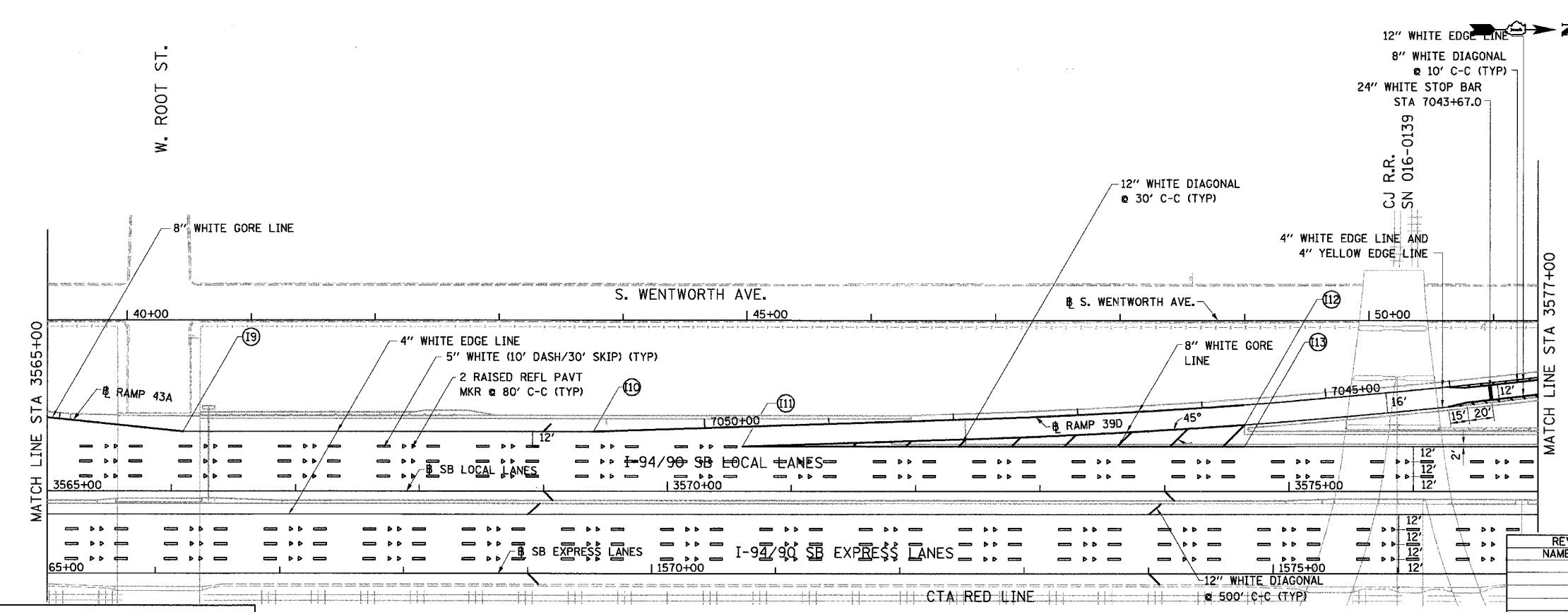
6/8/2006

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	588	231
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62303	*(2021-922 PT2 ETC 2324.6-1P) R-11			

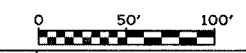


PI	STATION	OFFSET
I1	1554+44.57	36.00' LT
I2	3555+14.55	36.00' LT
I3	3561+14.46	48.00' LT
I4	3562+06.32	36.00' LT
I5	3563+08.60	48.00' LT
I6	5043+00.73	16.00' LT
I7	1564+47.53	48.00' LT
I8	3564+46.71	49.00' LT

- NOTES:
1. ALL PAVEMENT MARKINGS MUST BE POLYUREA
 2. FOR PAVEMENT MARKING DETAILS, SEE DISTRICT 1 STANDARDS TC-12 AND TC-13.



PI	STATION	OFFSET
I1	3566+09.35	48.00' LT
I2	3569+40.32	48.00' LT
I3	3570+60.58	48.00' LT
I4	7045+66.83	16.00' LT
I5	3574+64.20	36.00' LT



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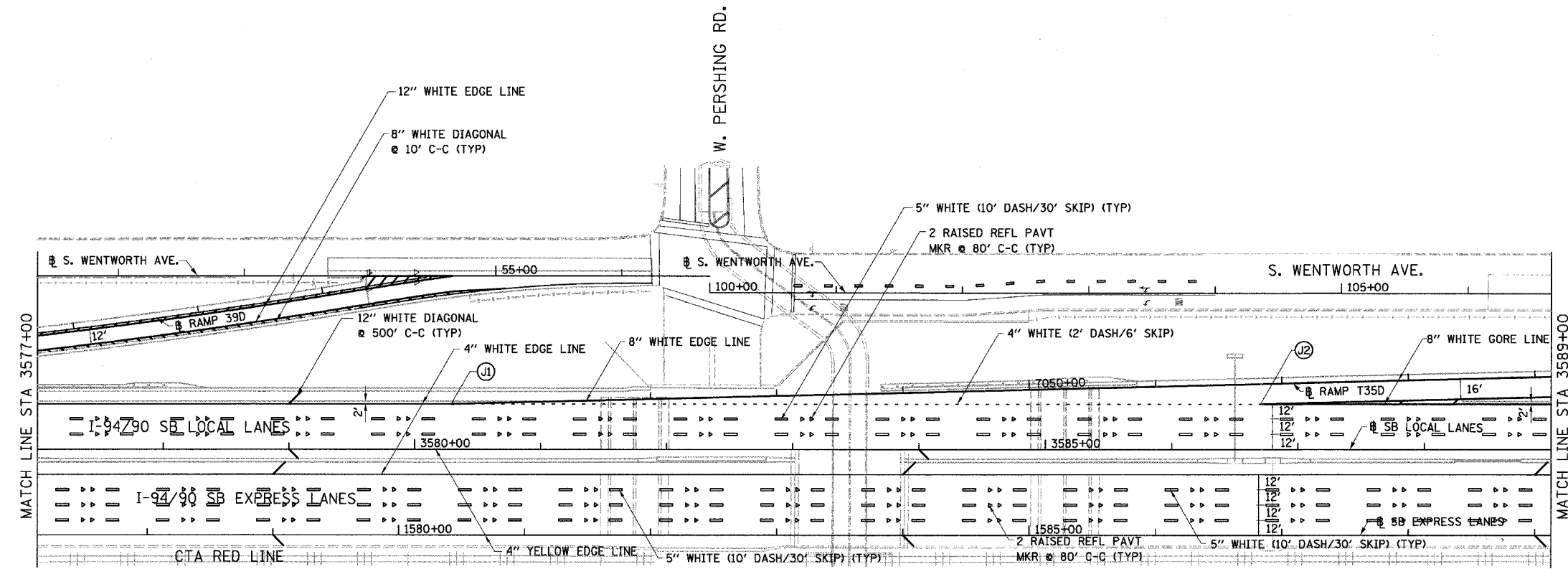
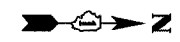
REVISIONS	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
PROPOSED PAVEMENT MARKING PLANS

SCALE: 1"=50'
DATE: 06/09/06
DRAWN BY: RA
CHECKED BY: RS

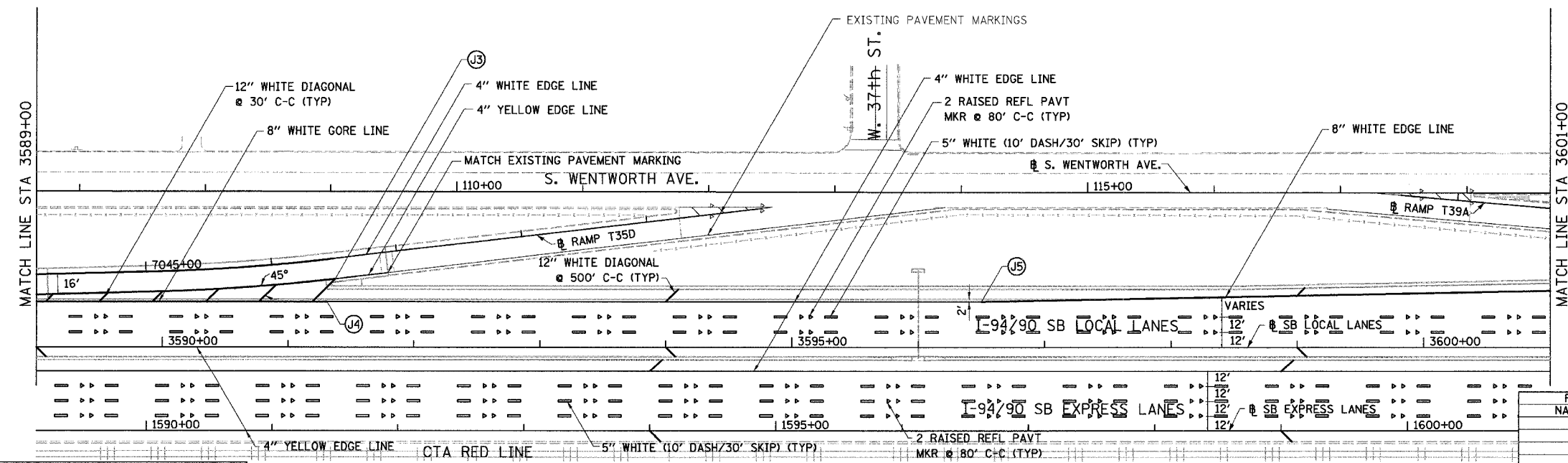
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F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	588	232
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62303	*(2021-922 PT2 ETC 2324.6-1P) R-11			

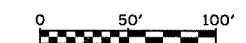


PI	STATION	OFFSET
J1	3580+29.14	36.00' LT
J2	3586+70.26	36.00' LT

- NOTES:
1. ALL PAVEMENT MARKINGS MUST BE POLYUREA
 2. FOR PAVEMENT MARKING DETAILS, SEE DISTRICT 1 STANDARDS TC-12 AND TC-13.
 3. PAVEMENT MARKINGS MUST MATCH THOSE OF CONTRACT 62585 AT RAMP T35D.



PI	STATION	OFFSET
J3	7043+50.68	16.00' LT
J4	3591+31.27	36.00' LT
J5	3596+50.14	36.00' LT



PM-06

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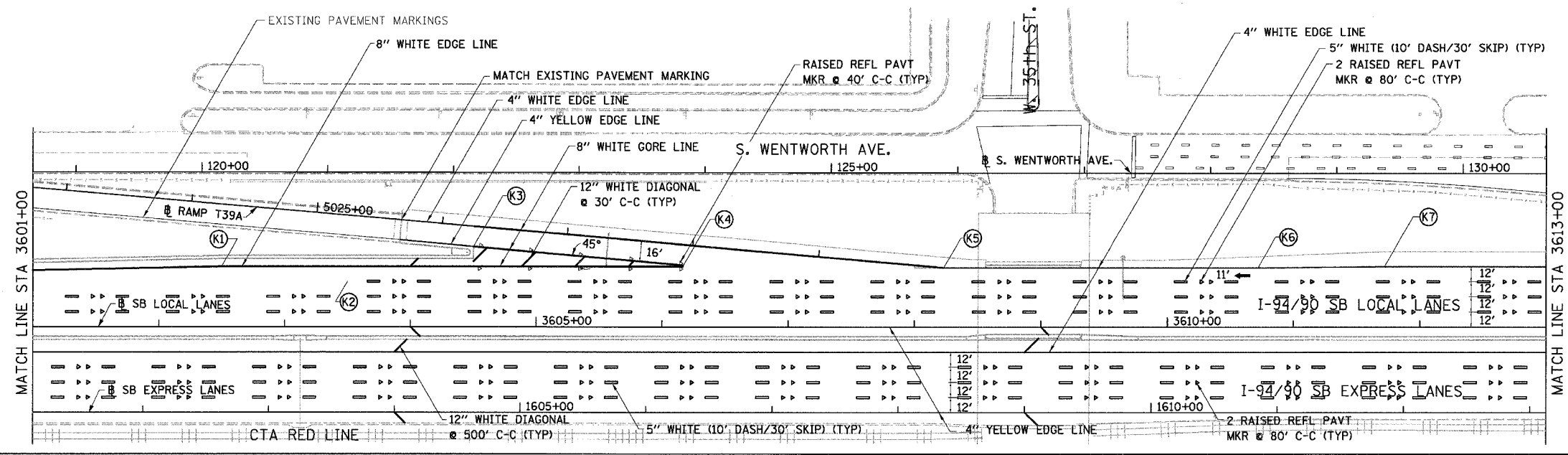
REVISIONS	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
PROPOSED PAVEMENT MARKING PLANS

SCALE: 1"=50'
DATE: 06/09/06
DRAWN BY: RA
CHECKED BY: RS

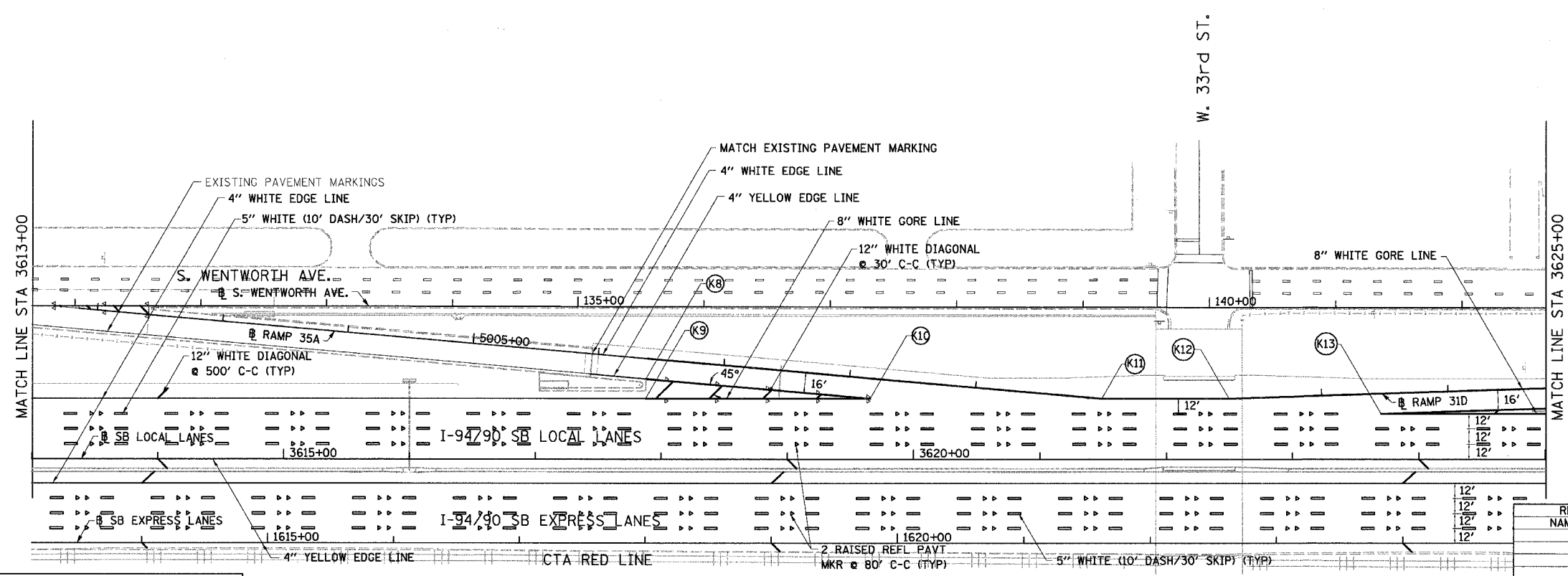
6/8/2006

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	588	233
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62303	*I2021-922 PT2 ETC 2324.6-1P) R-11			

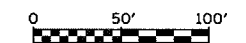


PI	STATION	OFFSET
K1	3602+50.04	48.00' LT
K2	3603+50.06	36.00' LT
K3	5023+73.67	16.00' LT
K4	3606+16.75	48.00' LT
K5	3608+23.31	47.00' LT
K6	3610+72.00	47.00' LT
K7	3611+72.00	48.00' LT

- NOTES:
1. ALL PAVEMENT MARKINGS MUST BE POLYUREA
 2. FOR PAVEMENT MARKING DETAILS, SEE DISTRICT 1 STANDARDS TC-12 AND TC-13.
 3. PAVEMENT MARKINGS MUST MATCH THOSE OF CONTRACT 62585 AT RAMPS T39A AND 35A.



PI	STATION	OFFSET
K8	5003+60.75	16.00' LT
K9	3617+87.95	48.00' LT
K10	3619+65.76	48.00' LT
K11	3621+48.90	48.00' LT
K12	3622+49.74	48.00' LT
K13	3623+70.00	36.00' LT



PM-07

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
 PROPOSED PAVEMENT MARKING PLANS

SCALE: 1"=50'
 DATE: 06/09/06

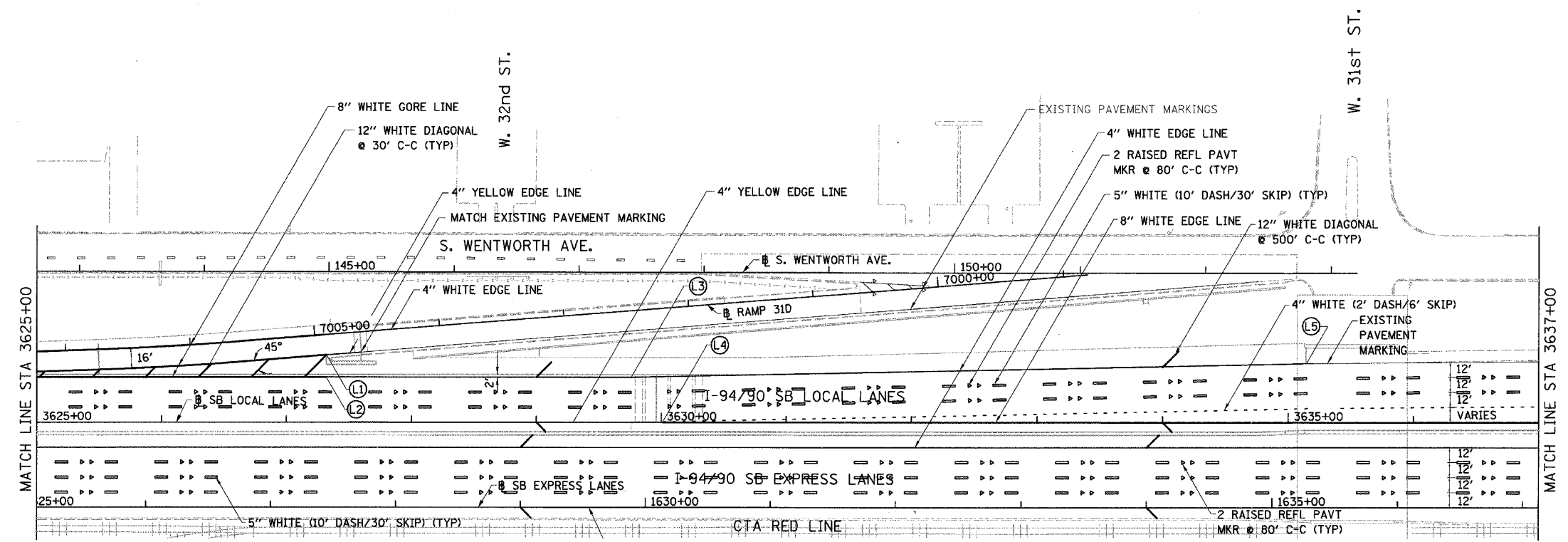
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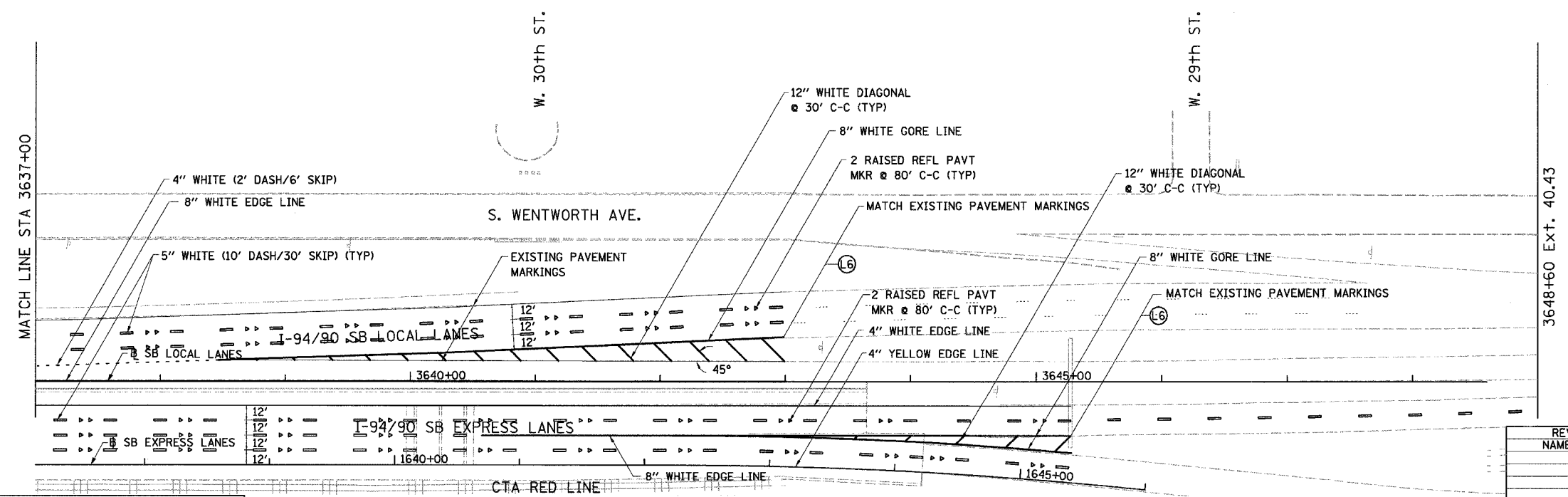
12/04/03 PM 5/27/2006

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	588	234
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62303	*(2021-922 PT2 ETC 2324.6-1P) R-11			

PI	STATION	OFFSET
L1	7004+91.72	16.00' LT
L2	3627+31.94	36.00' LT
L3	3629+75.97	36.00' LT
L4	3630+01.00	00.00' LT
L5	3635+14.48	47.05' LT



- NOTES:
1. ALL PAVEMENT MARKINGS MUST BE POLYUREA
 2. FOR PAVEMENT MARKING DETAILS, SEE DISTRICT 1 STANDARDS TC-12 AND TC-13.
 3. PAVEMENT MARKINGS MUST MATCH THOSE OF CONTRACT 52585 AT RAMP 31D.



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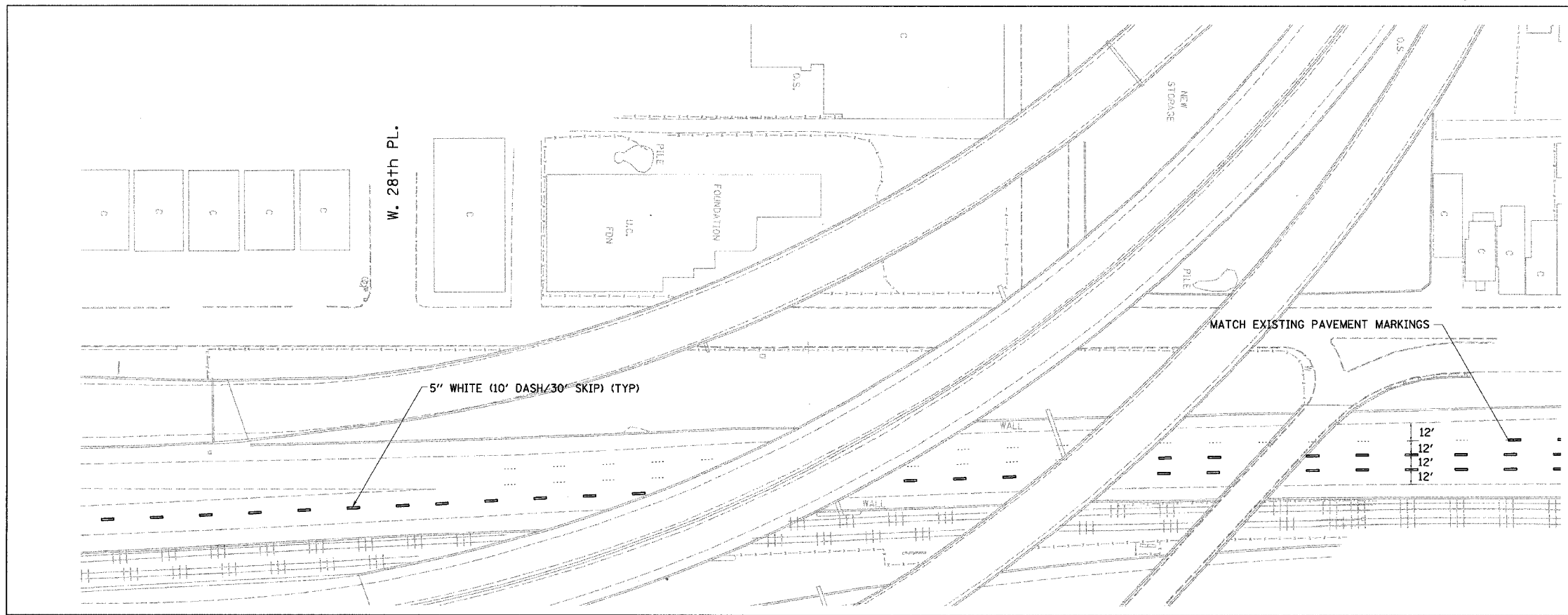
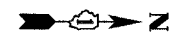
REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
PROPOSED PAVEMENT MARKING PLANS

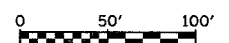
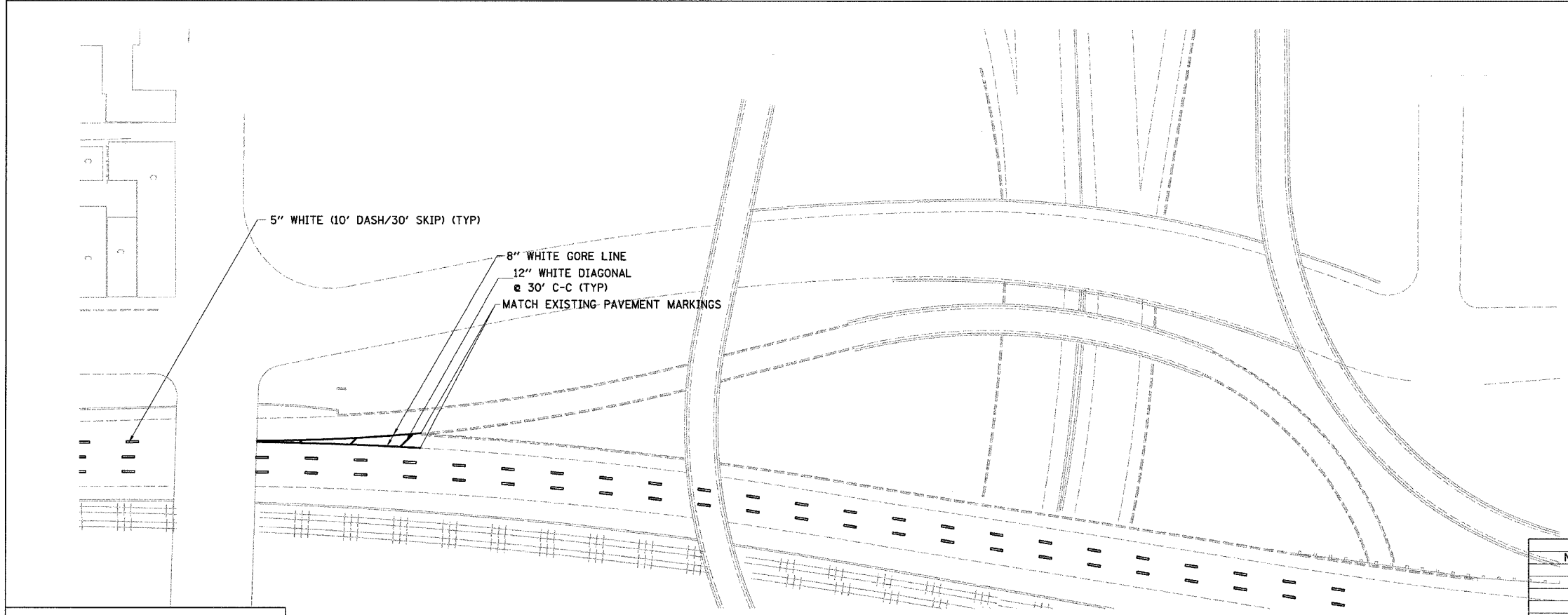
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DATE: 06/09/06
DRAWN BY: RA
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12/01/06 PM

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	235
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62303	*(2021-922 PT2 ETC 2324.6-1P) R-11			



- NOTES:
1. ALL PAVEMENT MARKINGS MUST BE POLYUREA
 2. FOR PAVEMENT MARKING DETAILS, SEE DISTRICT 1 STANDARDS TC-12 AND TC-13.



PM-09

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
 PROPOSED PAVEMENT MARKING PLANS

SCALE: 1"=50'
 DATE: 06/09/06
 DRAWN BY: RA
 CHECKED BY: RS

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12/01/04 PM 6/8/2006

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	236
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62303	(2021-922 PT2 ETC 2324.6-1P) R-11			

SHEET	SIGN CALLOUT	SIGN PANEL TYPE 1	SIGN PANEL TYPE 2	SIGN PANEL TYPE 3	REMOVE SIGN PANEL ASSEMBLY - TYPE B	REMOVE SIGN PANEL - TYPE 3	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	TELESCOPING STEEL SIGN SUPPORT	METAL POST - TYPE B	BASE FOR TELESCOPING STEEL SIGN SUPPORT	WOOD SIGN SUPPORT	OVERHEAD SIGN STRUCTURE-SPAN, TYPE I-A (4'-0" X 4'-6")	OVERHEAD SIGN STRUCTURE-SPAN, TYPE II-A (4'-6" X 5'-3")	OVERHEAD SIGN STRUCTURE-SPAN, TYPE III-A (5'-0" X 7'-0")	OVERHEAD SIGN STRUCTURE-CANTILEVER, TYPE III-C-A (24'-0" X 7'-0")	OVERHEAD SIGN STRUCTURE-BRIDGE MOUNTED	OVERHEAD SIGN STRUCTURE WALKWAY	CONCRETE FOUNDATIONS	DRILLED SHAFT CONCRETE FOUNDATIONS	REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER	REMOVE OVERHEAD SIGN STRUCTURE-BRIDGE MOUNTED	REMOVE GROUND-MOUNTED SIGN SUPPORT	REMOVE CONCRETE FOUNDATION-GROUND MOUNT	REMOVE CONCRETE FOUNDATION-OVERHEAD	REMOVE AND RE-ERECT EXISTING SIGN
		SQ FT	SQ FT	SQ FT	EACH	SQ FT	POUND	FOOT	FOOT	EACH	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	CU YD	CU YD	EACH	EACH	EACH	EACH	EACH
SG-01	PS01-04													49.5			39		27.3						
SG-01	PS01-05		12																						
SG-01	PS01-06	20						10.5		1															
SG-02	GS02-01				1																				
SG-02	GS02-02					103																	2	2	
SG-02	PS02-01		16.3					15.25		1															
SG-02	PS02-02	4						8		1															
SG-02	PS02-03			220													40		13.5						
SG-02	PS02-04		12								15														
SG-02	PS02-05	20						10.5		1															
SG-02	PS02-06	24.5									19														
SG-03	GS03-02					300																2	2		
SG-03	GS03-03				1																				
SG-03	GS03-04				1																				
SG-03	PS03-01			112			651.6											1.4							
SG-03	PS03-02			390.5									90				54		20.8						
SG-03	PS03-03		16					12		1															
SG-03	PS03-04	4						8		1															
SG-03	PS03-05		16								17														
SG-03	PS03-06			581.3									83				55.5		22.3						
SG-04	PS04-01			581.25									85				60.25		10						
SG-04	W4-2		16						32																
SG-04	PS04-02			45							36														
SG-04	ES04-01				1																				
SG-04	W13-3		12								15														
SG-04	PS04-04	4						8		1															
SG-04	ES04-04										32														1
SG-04	PS04-03			521									81				56.5		10						
SG-04	R2-1		12								15														
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SG-04	ES04-02					132																2	2		
SG-04	W4-3		16						32		16														
SG-04	ES04-06										15														1
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SG-04	ES04-08					137																			
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SG-05	ES05-01					88																			
SG-05	ES05-06										15														1
SG-05	R2-1		12								15														

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REVISIONS	
NAME	DATE
REVISED SHEET	6/23/06

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)

SIGNING SCHEDULE

SCALE: NTS
DATE: 06/09/06
DRAWN BY: RA
CHECKED BY: RS

CSGS-1

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F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	237
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62303	(2021-922 PT2 ETC 2324.6-1P) R-11			

SHEET	SIGN CALLOUT	SIGN PANEL TYPE 1	SIGN PANEL TYPE 2	SIGN PANEL TYPE 3	REMOVE SIGN PANEL ASSEMBLY - TYPE B	REMOVE SIGN PANEL - TYPE 3	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	TELESCOPING STEEL SIGN SUPPORT	METAL POST - TYPE B	BASE FOR TELESCOPING STEEL SIGN SUPPORT	WOOD SIGN SUPPORT	OVERHEAD SIGN STRUCTURE-SPAN, TYPE I-A (4'-0" X 4'-6")	OVERHEAD SIGN STRUCTURE-SPAN, TYPE II-A (4'-6" X 5'-3")	OVERHEAD SIGN STRUCTURE-SPAN, TYPE III-A (5'-0" X 7'-0")	OVERHEAD SIGN STRUCTURE-CANTILEVER, TYPE III-C-A (24'-0" X 7'-0")	OVERHEAD SIGN STRUCTURE-BRIDGE MOUNTED	OVERHEAD SIGN STRUCTURE WALKWAY	CONCRETE FOUNDATIONS	DRILLED SHAFT CONCRETE FOUNDATIONS	REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER	REMOVE OVERHEAD SIGN STRUCTURE-BRIDGE MOUNTED	REMOVE GROUND-MOUNTED SIGN SUPPORT	REMOVE CONCRETE FOUNDATION-GROUND MOUNT	REMOVE CONCRETE FOUNDATION-OVERHEAD	REMOVE AND RE-ERECT EXISTING SIGN
		SQ FT	SQ FT	SQ FT	EACH	SQ FT	POUND	FOOT	FOOT	EACH	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	CU YD	CU YD	EACH	EACH	EACH	EACH	EACH	EACH
SG-05	R5-1	18									28														
SG-05	W4-2		16								16														
SG-05	R5-1a	12									26														
SG-05	ES05-02				1																				
SG-05	PS05-01			45							36														
SG-05	ES05-07										16														1
SG-05	W13-3		12								15														
SG-05	ES05-08										32														1
SG-05	PS05-02**			402								75					52		6.2					1	
SG-05	ES05-07					99																2	2		1
SG-05	ES05-03																								
SG-05	PS05-03	4						8		1													2	2	
SG-05	R2-1		12								15														
SG-05	W4-3		16						32																
SG-05	ES05-04					107.5																	2	2	
SG-05	ES05-09				1																				
SG-05	ES05-10				1																				
SG-06	ES06-04																								1
SG-06	PS06-1										32			83			59.5		10.7						
SG-06	ES06-03																								1
SG-06	W4-1		16						32																
SG-06	W13-3		12								15														
SG-06	ES06-01					107.5																	2	2	
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SG-07	R5-1	18									28														
SG-07	R5-1a	12									28														
SG-07	W4-2		16						32																
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SG-07	ES07-02				1																				
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SG-08	W4-3		16								15														
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SG-08	PS08-02			483																					
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SG-10	PS10-02			483																					
SG-12	PS12-01			460																					
TOTALS		179	280	7,098	13	1,922	652	96	160	10	874	448	173	133	26	104	531	1	140	1	1	18	18	5	14

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** REQUIRES 1.52 CU YD, ROCK EXCAVATION

REVISIONS	
NAME	DATE
REVISED SHEET	6/23/06

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)

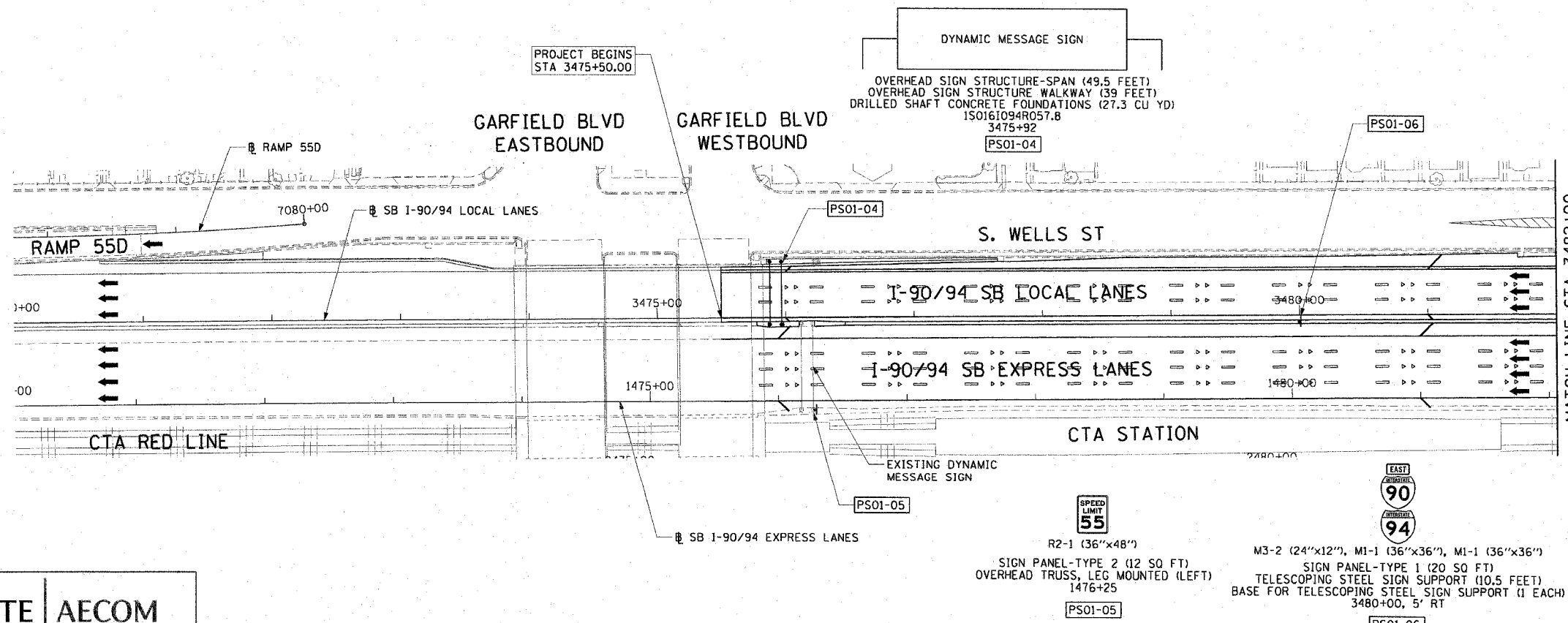
SIGNING SCHEDULE

SCALE: NTS
DATE: 06/09/06
DRAWN BY: RA
CHECKED BY: RS

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6/23/2006 2:40:39 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	588	238
STA. 3475+50	TO STA. 3482+00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
62303	* (2021-922 PT2 ETC 2324.6-1P) R-11			

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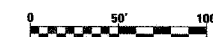


LEGEND:

- ESXX-XX EXISTING OVERHEAD OR CANTILEVER SIGNS
- GSXX-XX EXISTING POST MOUNTED SIGNS
- PSXX-XX PROPOSED SIGNS

NOTES:

1. FOR DETAILS OF THE DYNAMIC MESSAGE SIGN TRUSS SEE OVERHEAD SIGN STRUCTURE DETAIL SHEETS.
2. THE DYNAMIC MESSAGE SIGN WILL BE PROCURED BY IDOT CONTRACT 62947.
3. THE DYNAMIC MESSAGE SIGN WILL BE SUPPLIED BY IDOT CONTRACT 62583.
4. THE DYNAMIC MESSAGE SIGN SHALL BE FASTENED TO THE SIGN TRUSS BY THE CONTRACT 62303 CONTRACTOR. THE CONTRACTOR SHALL COORDINATE THE ERECTION OF THE SIGN TRUSS WITH CONTRACT 62583



SG-01

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)

PROPOSED SIGNING PLANS

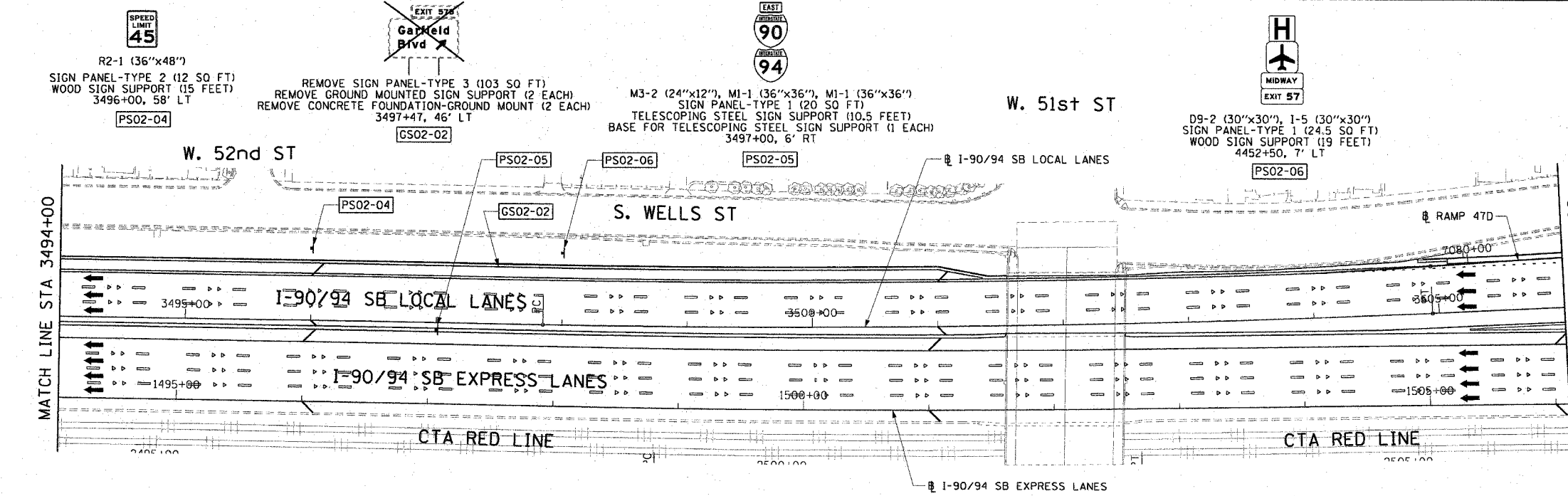
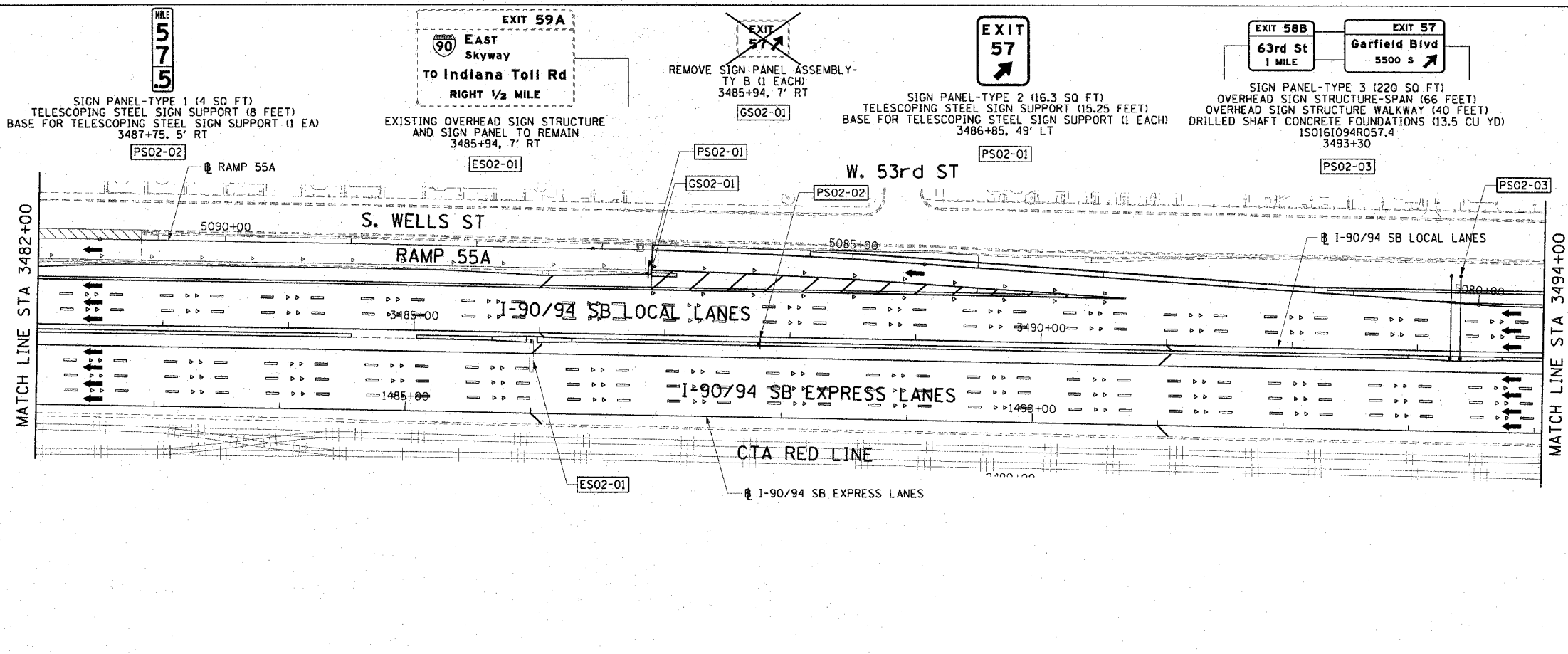
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DATE: June 9, 2006

DRAWN BY: PHP
CHECKED BY: RMG

CTE | AECOM

6/7/2006 1:29:45 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	588	239
STA. 3482+00		TO STA. 3506+00		
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT
62303		(2021-922 PT2 ETC 2324.6-1P)		R-11



- LEGEND:
- ESXX-XX EXISTING OVERHEAD OR CANTILEVER SIGNS
 - GSXX-XX EXISTING POST MOUNTED SIGNS
 - PSXX-XX PROPOSED SIGNS

- NOTES:
1. FOR SIGN PANEL AND TRUSS DETAILS SEE OVERHEAD SIGN STRUCTURE DETAIL SHEETS.
 2. FOR GROUND AND BARRIER WALL MOUNTED SIGNS SEE THE PROPOSED SIGN PANEL DETAIL SHEETS
 3. SEE ROADWAY DETAILS FOR MOUNTING OF PROPOSED SIGN PS02-01.



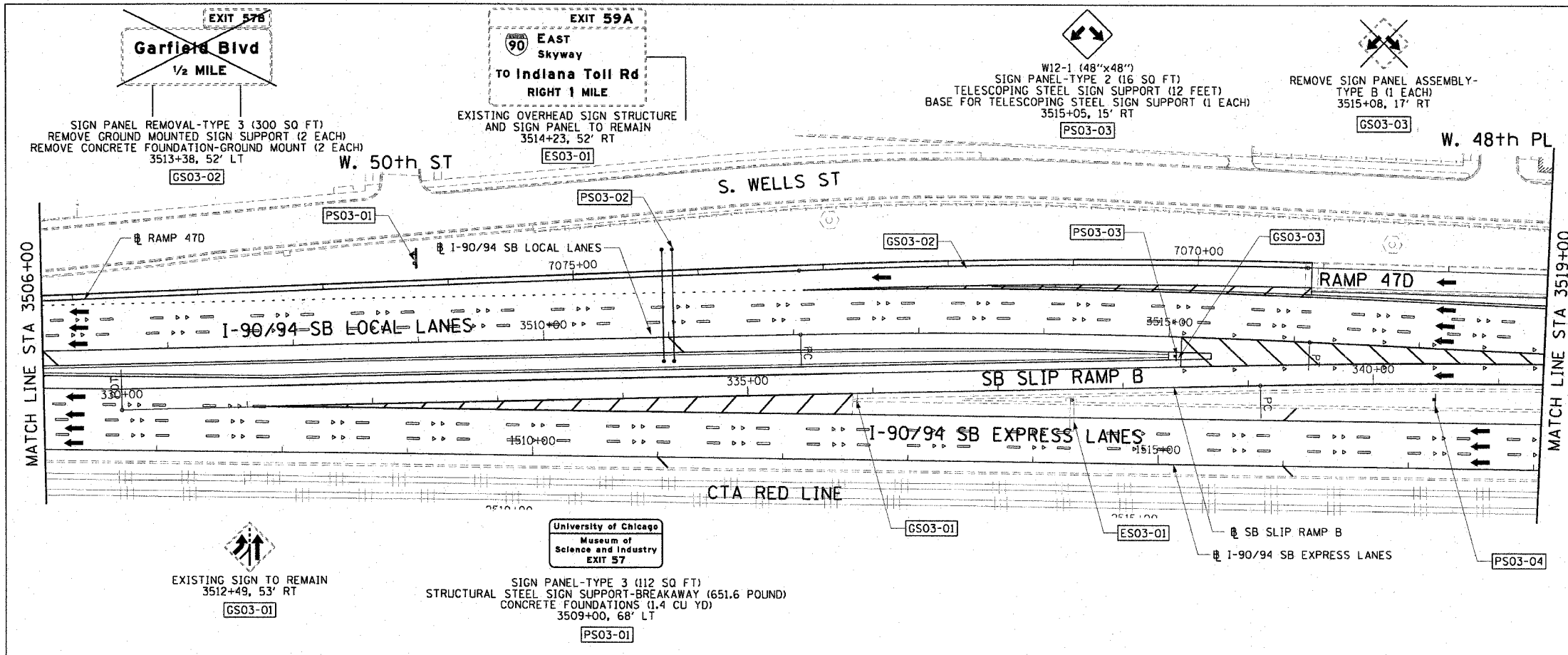
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 90/94 (DAN RYAN EXPRESSWAY) GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES) PROPOSED SIGNING PLANS
NAME	DATE	

CTE | AECOM

SCALE: 1"=50'
DATE: June 9, 2006
DRAWN BY: PHP
CHECKED BY: RMG

I:\projects\9094\signing\plans\sg02.dwg 1/23/06 11:29:21 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	588	240
STA. 3506+00 TO STA. 3529+00		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		
62303		• (2021-922 PT2 ETC 2324.6-1P) R-11		



EXIT 57A
EAST Skyway
TO Indiana Toll Rd
RIGHT 1 MILE

EXIT 57
Garfield Blvd
1/2 MILE

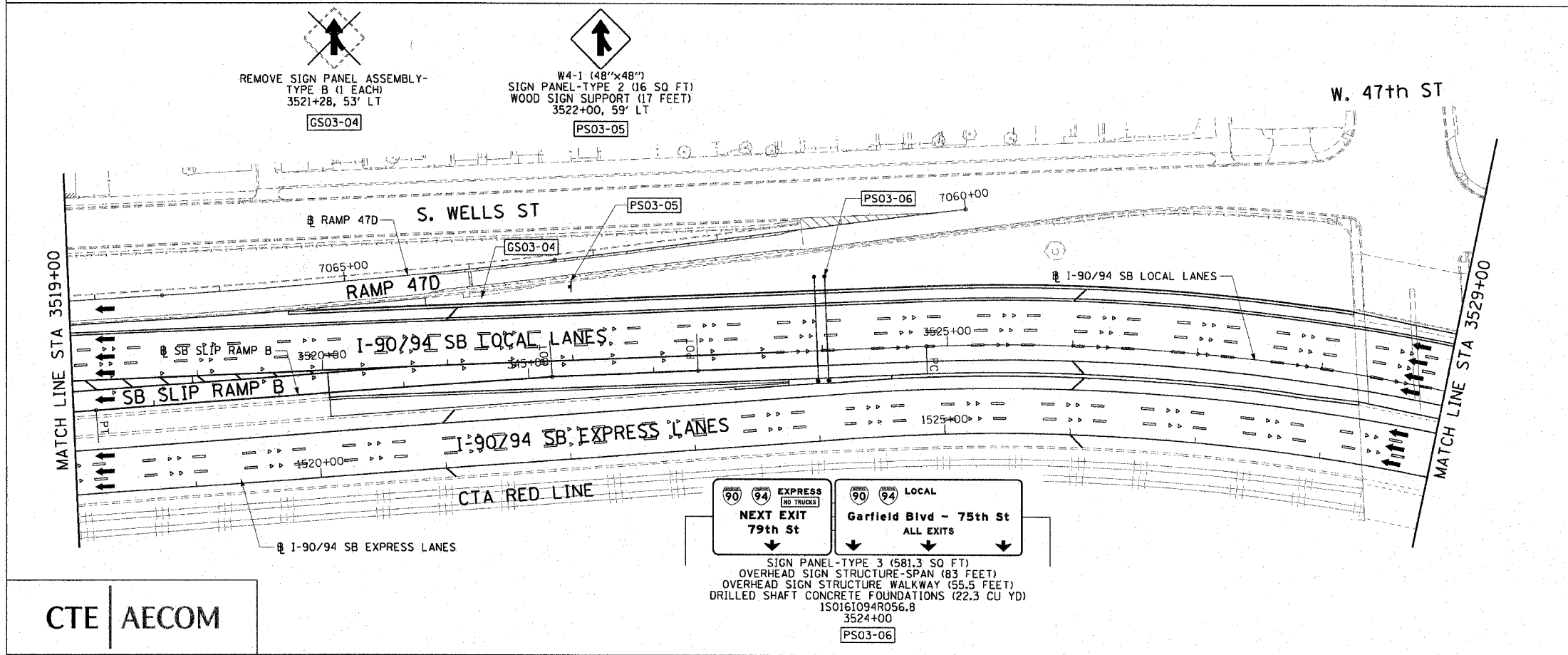
EXIT 57A
EAST Skyway
TO Indiana Toll Rd
LEFT 2 MILES

EXIT 57
Garfield Blvd
1/2 MILE

SIGN PANEL-TYPE 3 (390.5 SQ FT)
OVERHEAD SIGN STRUCTURE-SPAN (90 FEET)
OVERHEAD SIGN STRUCTURE WALKWAY (54 FEET)
DRILLED SHAFT CONCRETE FOUNDATIONS (20.8CU YD)
ISO161094R057.1
3511+00
PS03-02

MILE
570

SIGN PANEL-TYPE 1 (4 SQ FT)
TELESCOPING STEEL SIGN SUPPORT (8 FEET)
BASE FOR TELESCOPING STEEL SIGN SUPPORT (1 EA)
1517+20, 54' LT
PS03-04



LEGEND:

- ESXX-XX EXISTING OVERHEAD OR CANTILEVER SIGNS
- GSXX-XX EXISTING POST MOUNTED SIGNS
- PSXX-XX PROPOSED SIGNS

NOTES:

1. FOR SIGN PANEL AND TRUSS DETAILS SEE OVERHEAD SIGN STRUCTURE DETAIL SHEETS.
2. FOR THE GROUND AND BARRIER WALL MOUNTED SIGNS SEE THE PROPOSED SIGN PANEL DETAIL SHEETS.

SCALE: 1"=50'

DATE: June 9, 2006

DRAWN BY: PHP
CHECKED BY: RMG

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
PROPOSED SIGNING PLANS

SG-03

CTE | AECOM

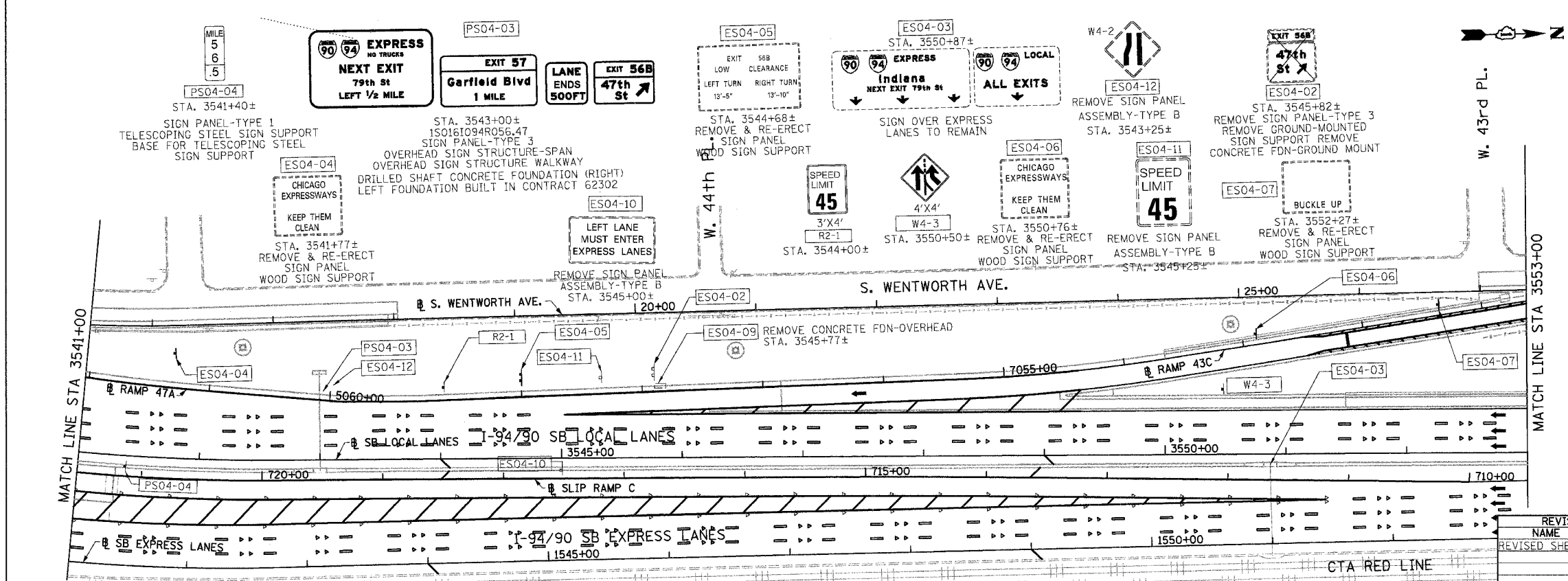
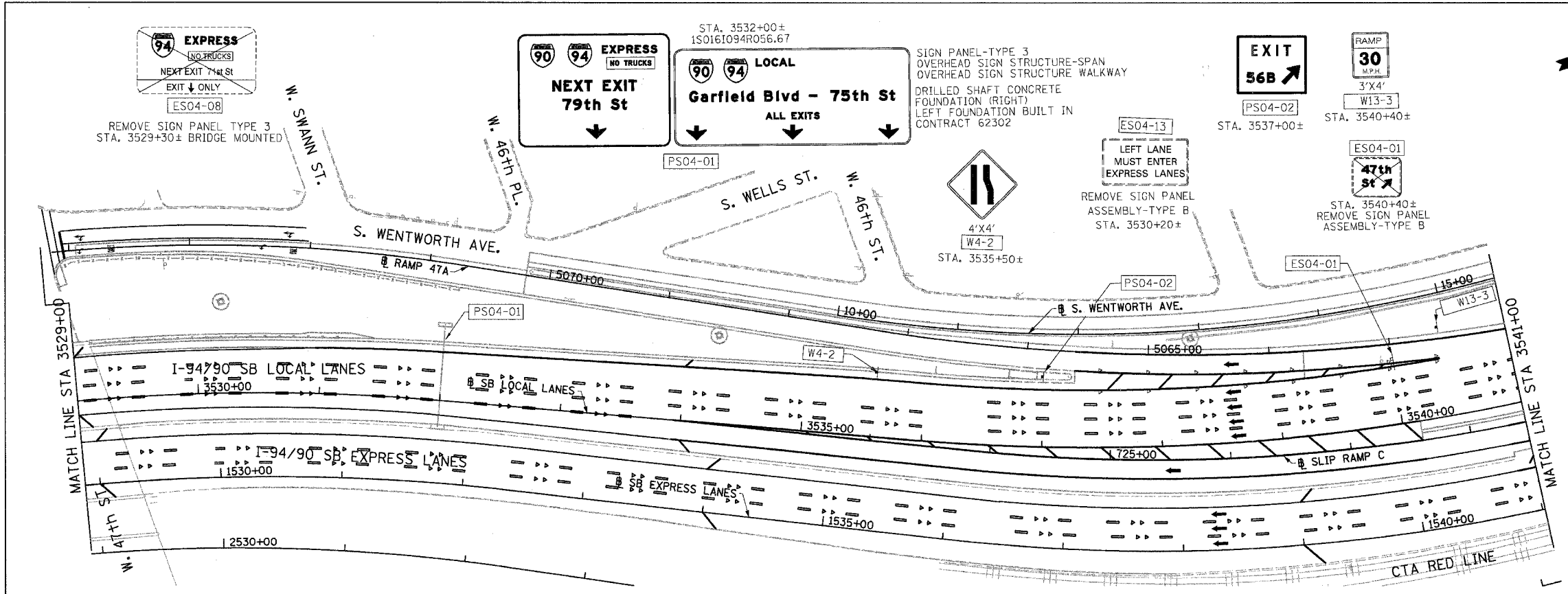
90 94 EXPRESS
NEXT EXIT
79th St

90 94 LOCAL
Garfield Blvd - 75th St
ALL EXITS

SIGN PANEL-TYPE 3 (581.3 SQ FT)
OVERHEAD SIGN STRUCTURE-SPAN (83 FEET)
OVERHEAD SIGN STRUCTURE WALKWAY (55.5 FEET)
DRILLED SHAFT CONCRETE FOUNDATIONS (22.3 CU YD)
ISO161094R056.8
3524+00
PS03-06

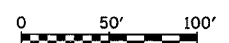
P:\P\046\CONVING-contrs JB & P\staff\09\signing plans\9094\SG-03.dwg 6/7/2006 12:29:23 PM

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	241
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62303 * (2021-922 PT2 ETC 2324.6-1P) R-11				



LEGEND:

ESXX-XX	EXISTING OVERHEAD OR CANTILEVER SIGNS
GSXX-XX	EXISTING POST MOUNTED SIGNS
PSXX-XX	PROPOSED SIGNS



REVISIONS	NAME	DATE
1	REVISED SHEET	6/23/06

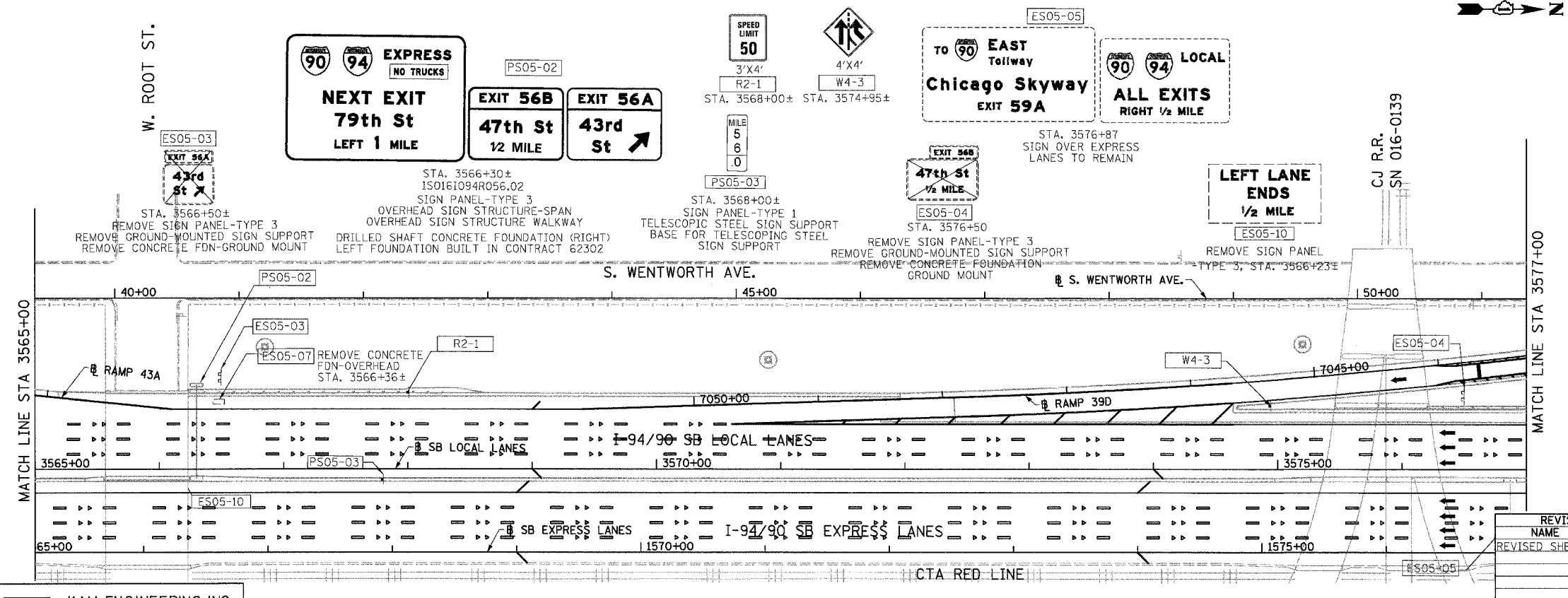
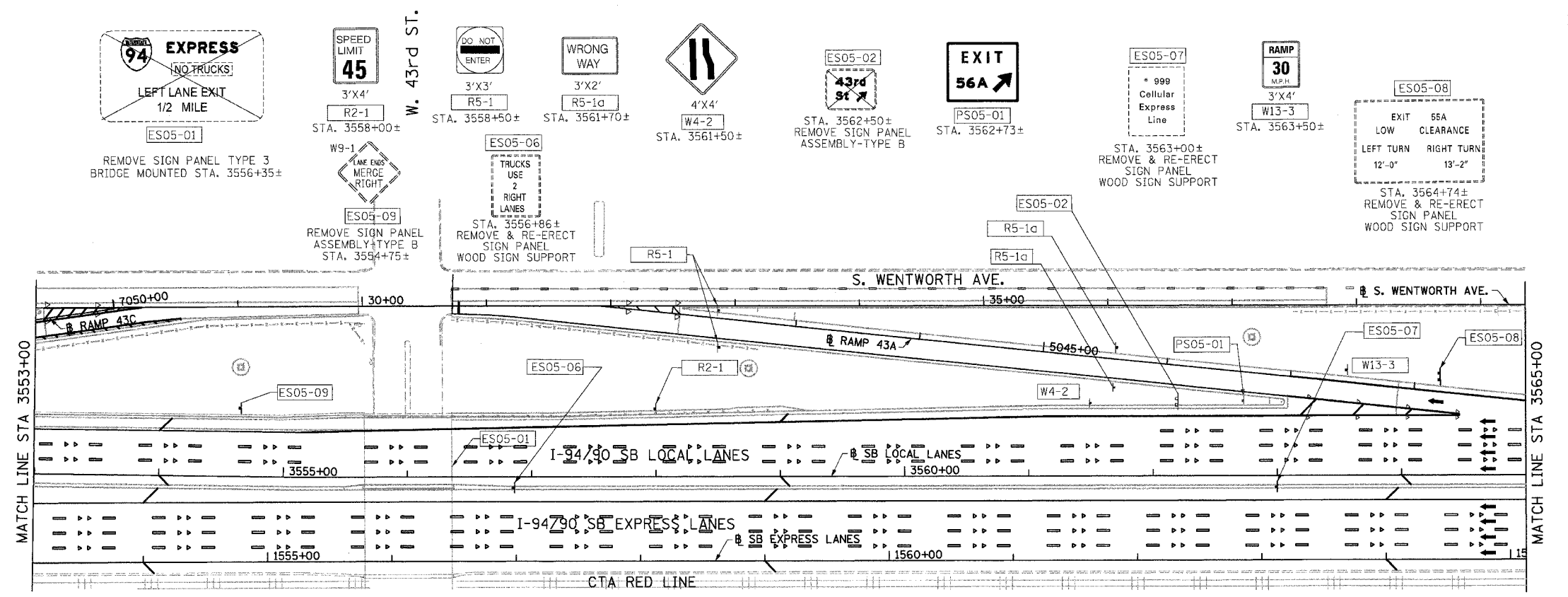
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
 PROPOSED SIGNING PLANS

SCALE: 1"=50'
 DATE: 06/09/06
 DRAWN BY: RV
 CHECKED BY: MSA

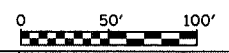
K&E KAM ENGINEERING, INC.
 CONSULTING ENGINEERS
 707A Davis Road, Suite 205
 Elgin, Illinois 60123-1369

6/23/2006 11:47 PM SG-04

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	588	242
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
62303	(2021-922 PT2 ETC 2324.6-1P) R-11			



- LEGEND:
- ESXX-XX EXISTING OVERHEAD OR CANTILEVER SIGNS
 - GSXX-XX EXISTING POST MOUNTED SIGNS
 - PSXX-XX PROPOSED SIGNS



REVISIONS	NAME	DATE
1	REVISED SHEET	6/23/06

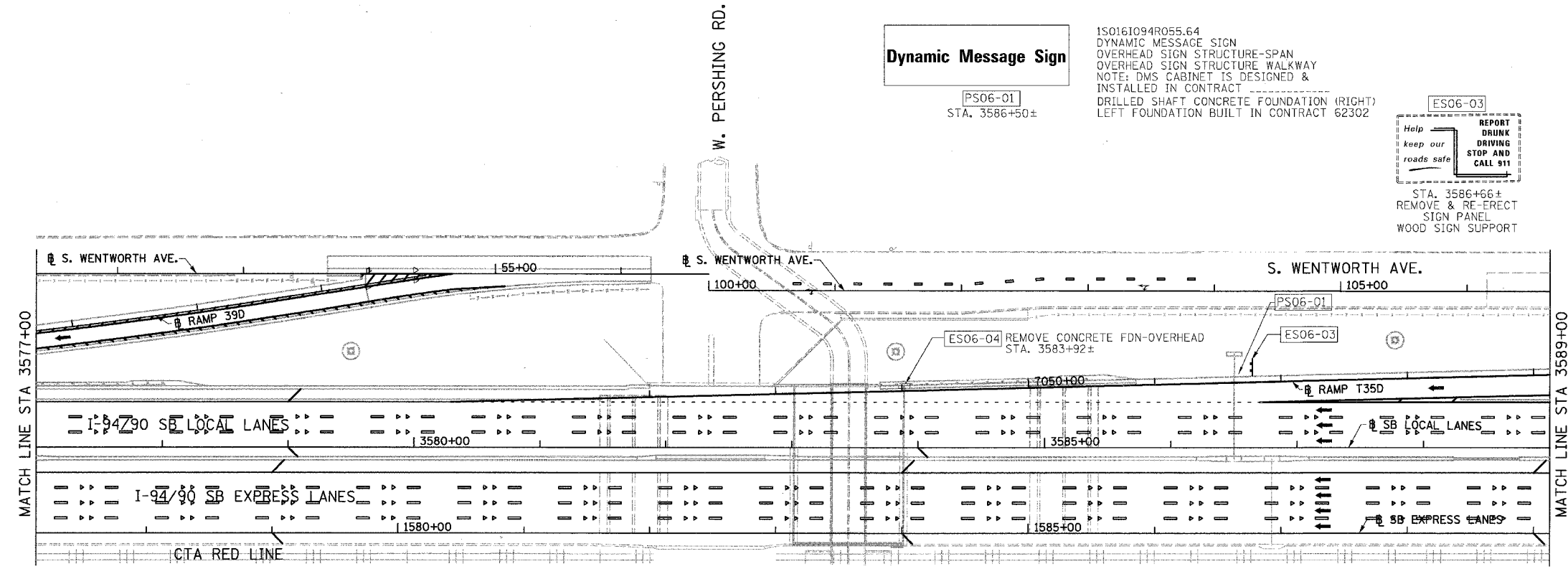
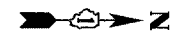
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
 PROPOSED SIGNING PLANS

SCALE: 1"=50'
 DATE: 06/09/06
 DRAWN BY: RV
 CHECKED BY: MSA

K&E KAM ENGINEERING, INC.
 CONSULTING ENGINEERS
 707A Davis Road, Suite 205
 Elgin, Illinois 60123-1369

6/23/2006 11:30 PM

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	588	243
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
62303		(2021-922 PT2 ETC 2324.6-1P) R-11		

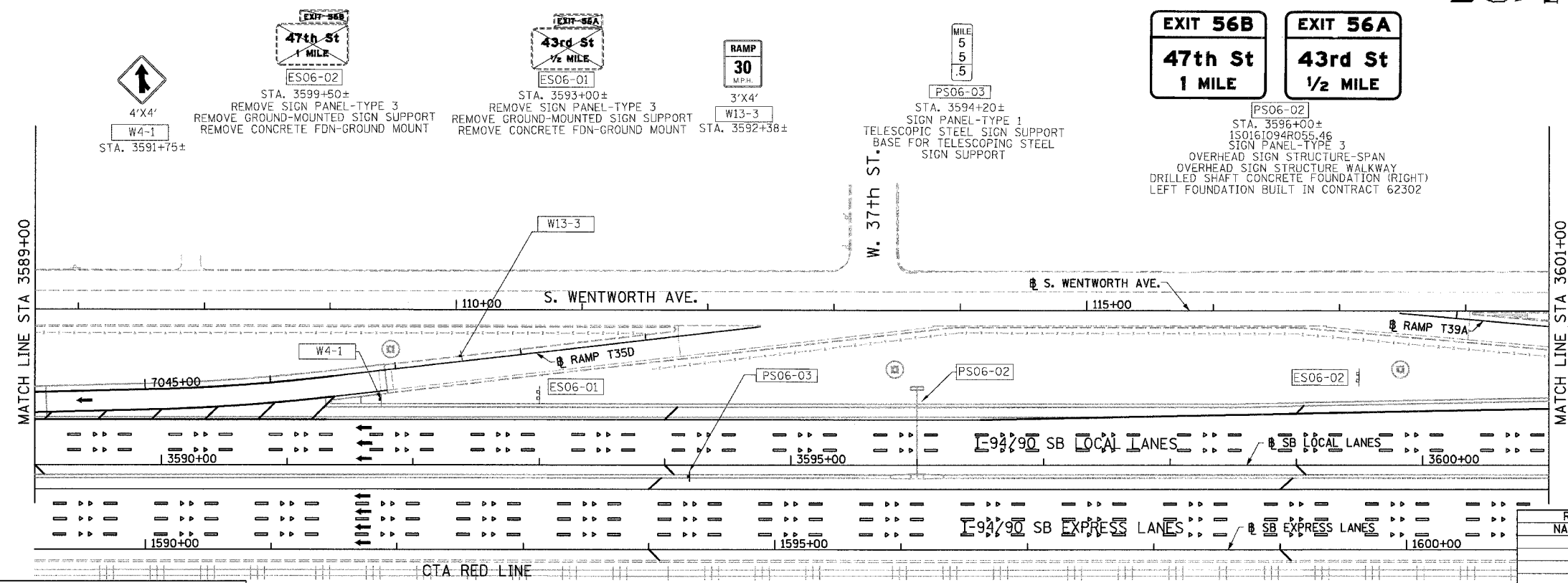


Dynamic Message Sign

150161094R055.64
 DYNAMIC MESSAGE SIGN
 OVERHEAD SIGN STRUCTURE-SPAN
 OVERHEAD SIGN STRUCTURE WALKWAY
 NOTE: DMS CABINET IS DESIGNED &
 INSTALLED IN CONTRACT
 DRILLED SHAFT CONCRETE FOUNDATION (RIGHT)
 LEFT FOUNDATION BUILT IN CONTRACT 62302

ES06-03
 Help keep our roads safe
 REPORT DRUNK DRIVING STOP AND CALL 911

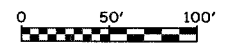
STA. 3586+66±
 REMOVE & RE-ERECT SIGN PANEL
 WOOD SIGN SUPPORT



EXIT 56B
 47th St
 1 MILE

EXIT 56A
 43rd St
 1/2 MILE

LEGEND:
 ESXX-XX EXISTING OVERHEAD OR CANTILEVER SIGNS
 GSXX-XX EXISTING POST MOUNTED SIGNS
 PSXX-XX PROPOSED SIGNS



REVISIONS	NAME	DATE

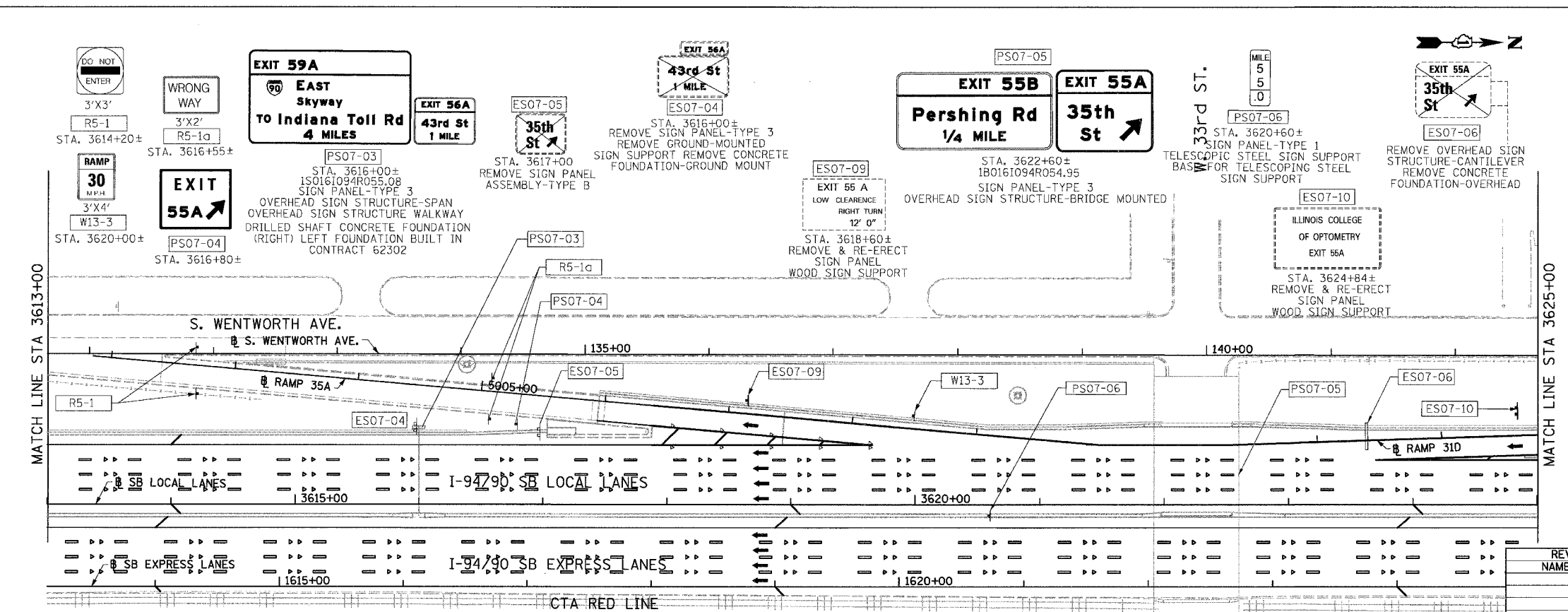
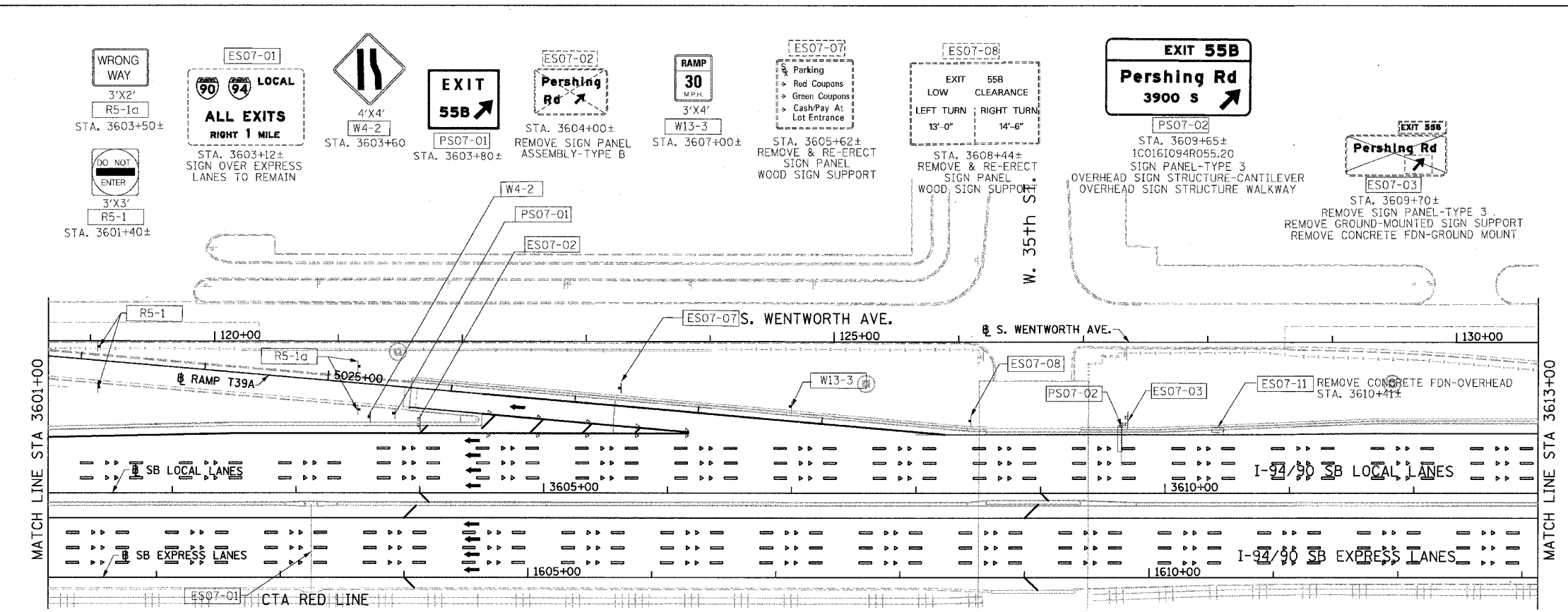
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
 PROPOSED SIGNING PLANS

SCALE: 1"=50'
 DATE: 06/09/06
 DRAWN BY: RV
 CHECKED BY: MSA

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 CONSULTING ENGINEERS
 707A Davis Road, Suite 205
 Elgin, Illinois 60123-1369

6/9/2006 4:27:34 PM SG-06

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	588	244
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62303	(2021-922 PT2 ETC 2324.6-1P)	R-11		



- LEGEND:
- ESXX-XX EXISTING OVERHEAD OR CANTILEVER SIGNS
 - GSXX-XX EXISTING POST MOUNTED SIGNS
 - PSXX-XX PROPOSED SIGNS

KAM ENGINEERING, INC.
 CONSULTING ENGINEERS
 7074 Davis Road, Suite 205
 Eglon, Illinois 60123-1369

REVISIONS	NAME	DATE

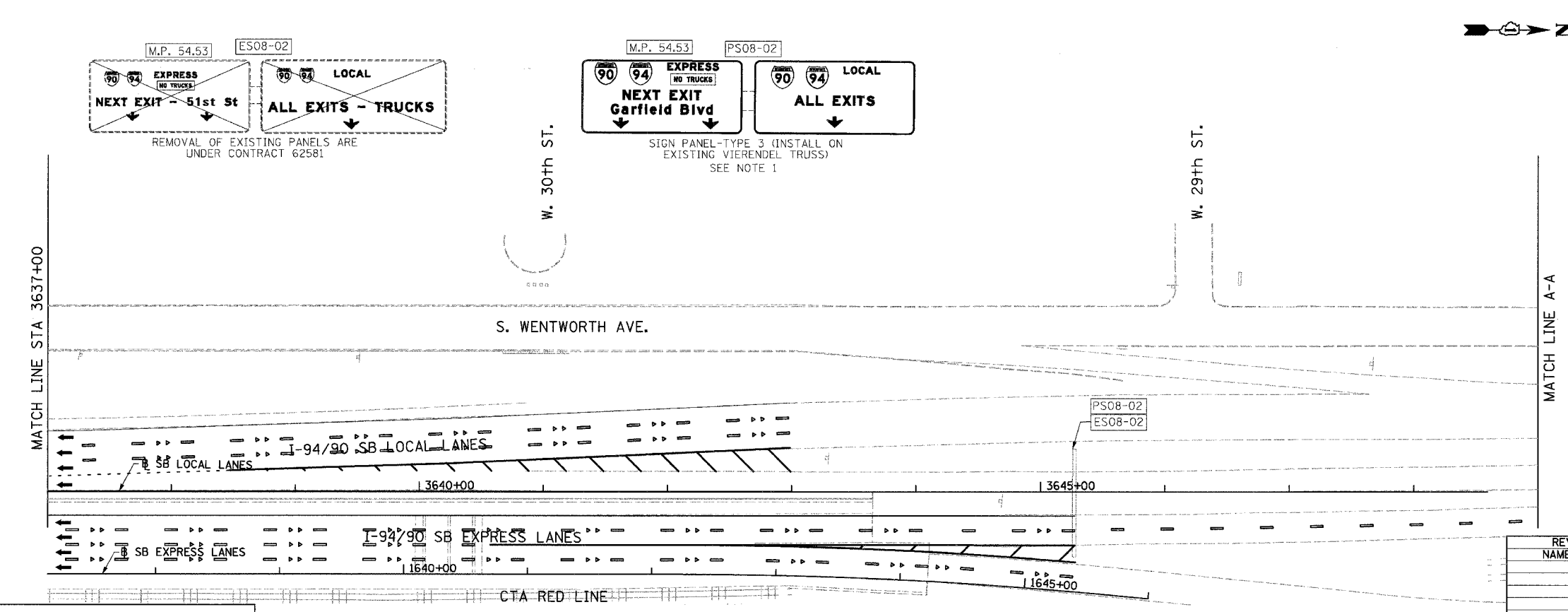
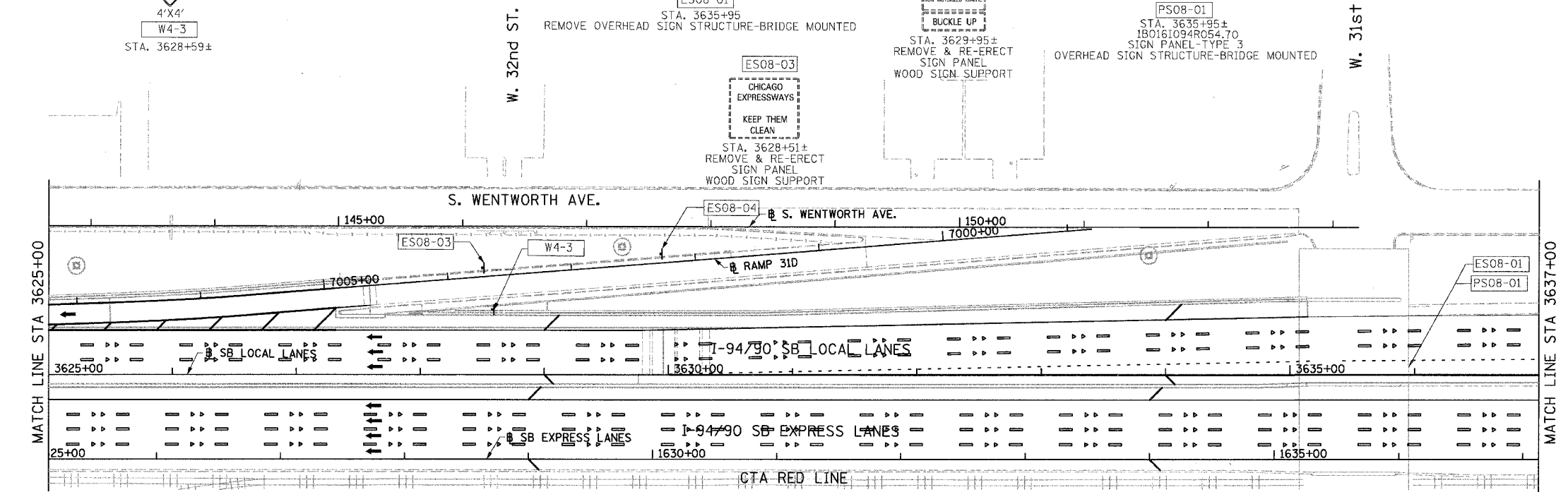
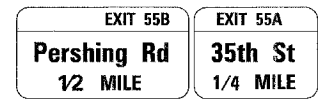
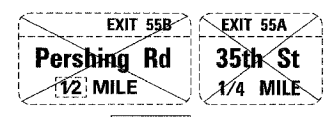
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
 PROPOSED SIGNING PLANS

SCALE: 1"=50'
 DATE: 06/09/06

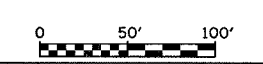
DRAWN BY: RV
 CHECKED BY: MSA

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
 PROPOSED SIGNING PLANS
 6/9/2006

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	245
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62303	12021-922 PT2 ETC 2324.6-1P) R-11			



- LEGEND:
- ESXX-XX EXISTING OVERHEAD OR CANTILEVER SIGNS
 - GSXX-XX EXISTING POST MOUNTED SIGNS
 - PSXX-XX PROPOSED SIGNS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
 PROPOSED SIGNING PLANS

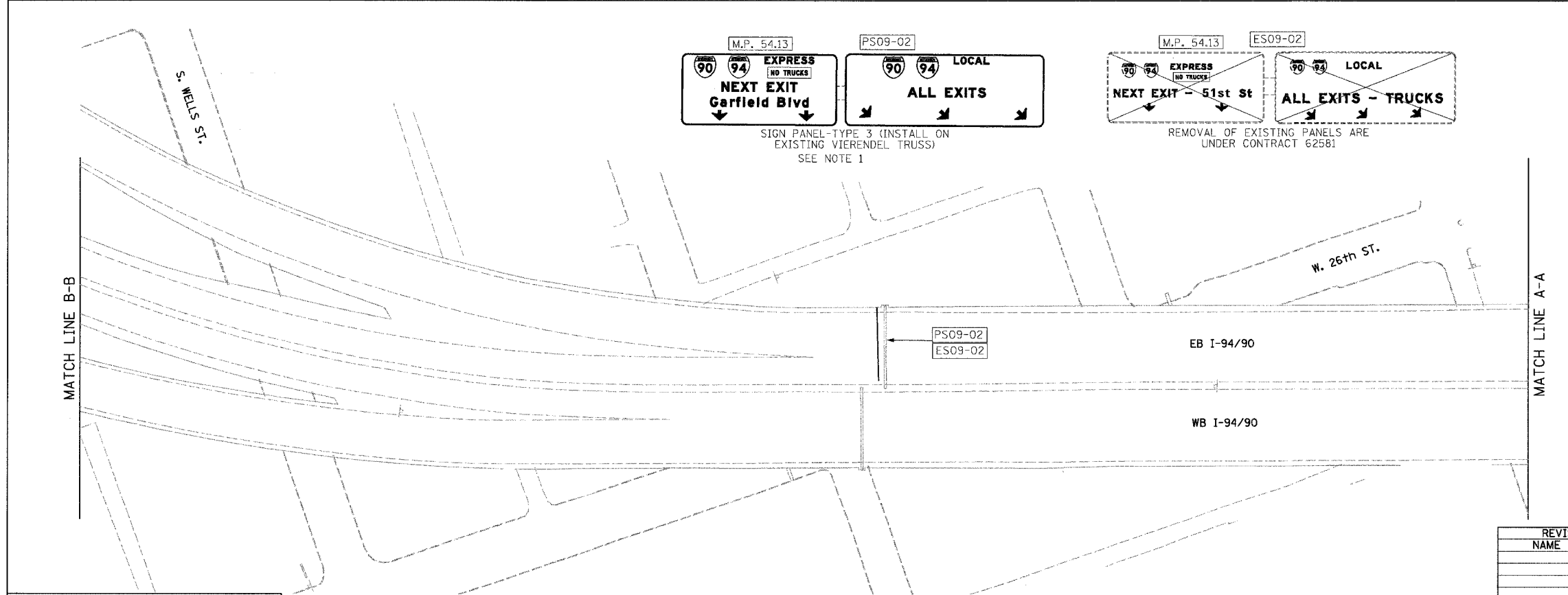
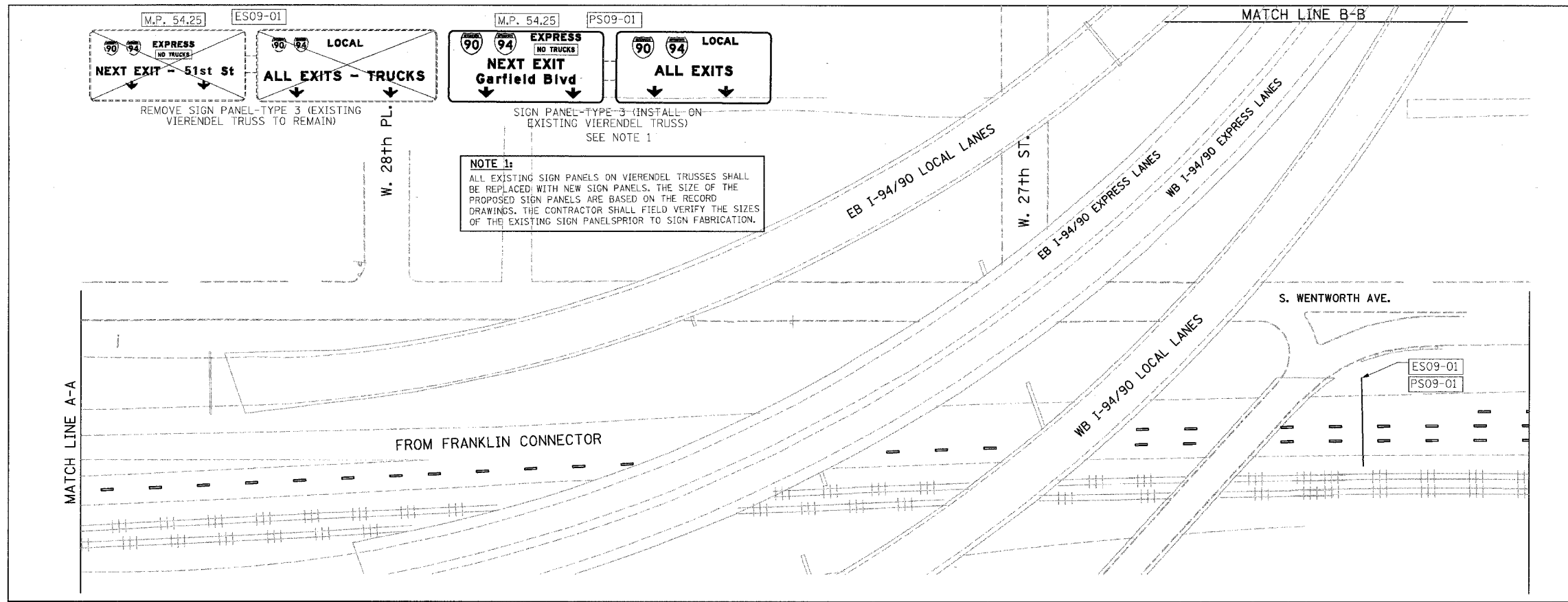
SCALE: 1"=50'
 DATE: 06/09/06

DRAWN BY: RV
 CHECKED BY: MSA

K&E KAM ENGINEERING, INC.
 CONSULTING ENGINEERS
 707A Davis Road, Suite 205
 Elgin, Illinois 60123-1369

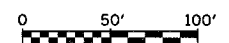
SG-08
4/28/04 PM
6/8/2006

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	588	246
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
62303		(2021-922 PT2 ETC 2324.6-IP) R-11		



LEGEND:

ESXX-XX	EXISTING OVERHEAD OR CANTILEVER SIGNS
GSXX-XX	EXISTING POST MOUNTED SIGNS
PSXX-XX	PROPOSED SIGNS



K&E KAM ENGINEERING, INC.
CONSULTING ENGINEERS
7074 Davis Road, Suite 205
Egton, Illinois 60123-1369

REVISIONS	NAME	DATE

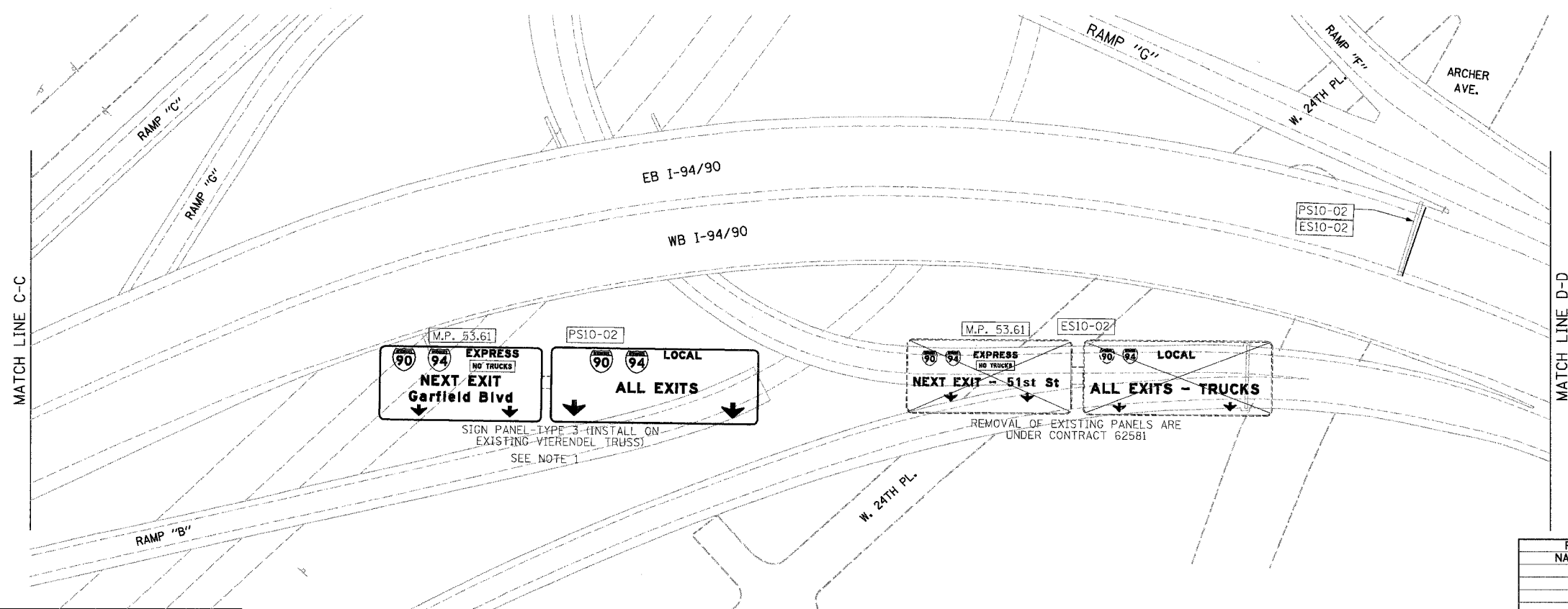
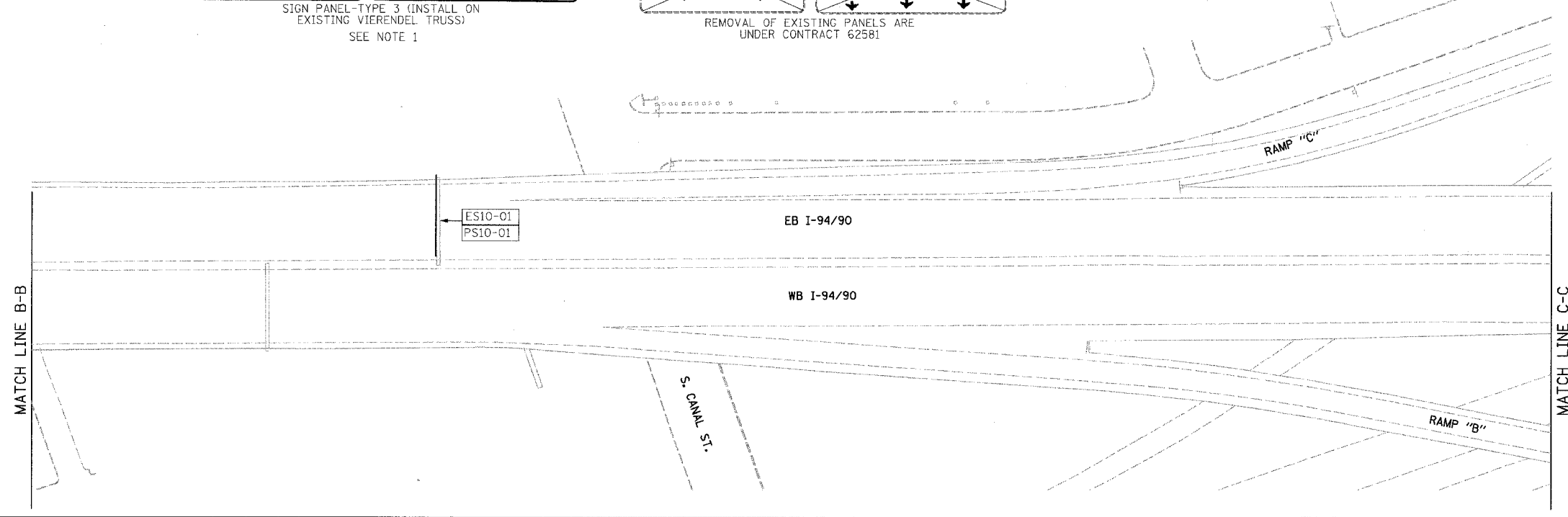
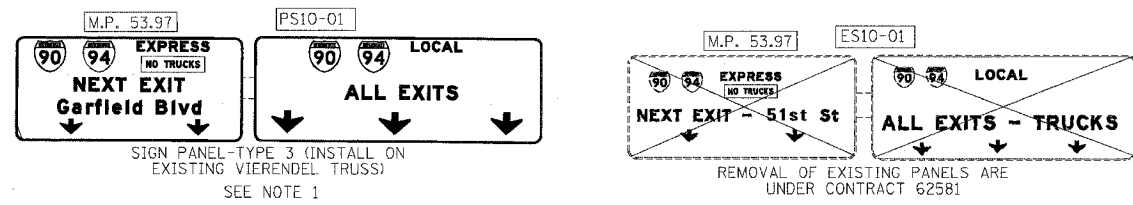
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
PROPOSED SIGNING PLANS

SCALE: 1"=50'
DATE: 06/09/06

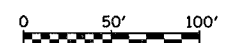
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CHECKED BY: MSA

SG-09
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6/9/2006

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	588	247
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
62303	(2021-922 PT2 ETC 2324.6-1P) R-11			



- LEGEND:
- ESXX-XX EXISTING OVERHEAD OR CANTILEVER SIGNS
 - GSXX-XX EXISTING POST MOUNTED SIGNS
 - PSXX-XX PROPOSED SIGNS



SG-10

REVISIONS	
NAME	DATE

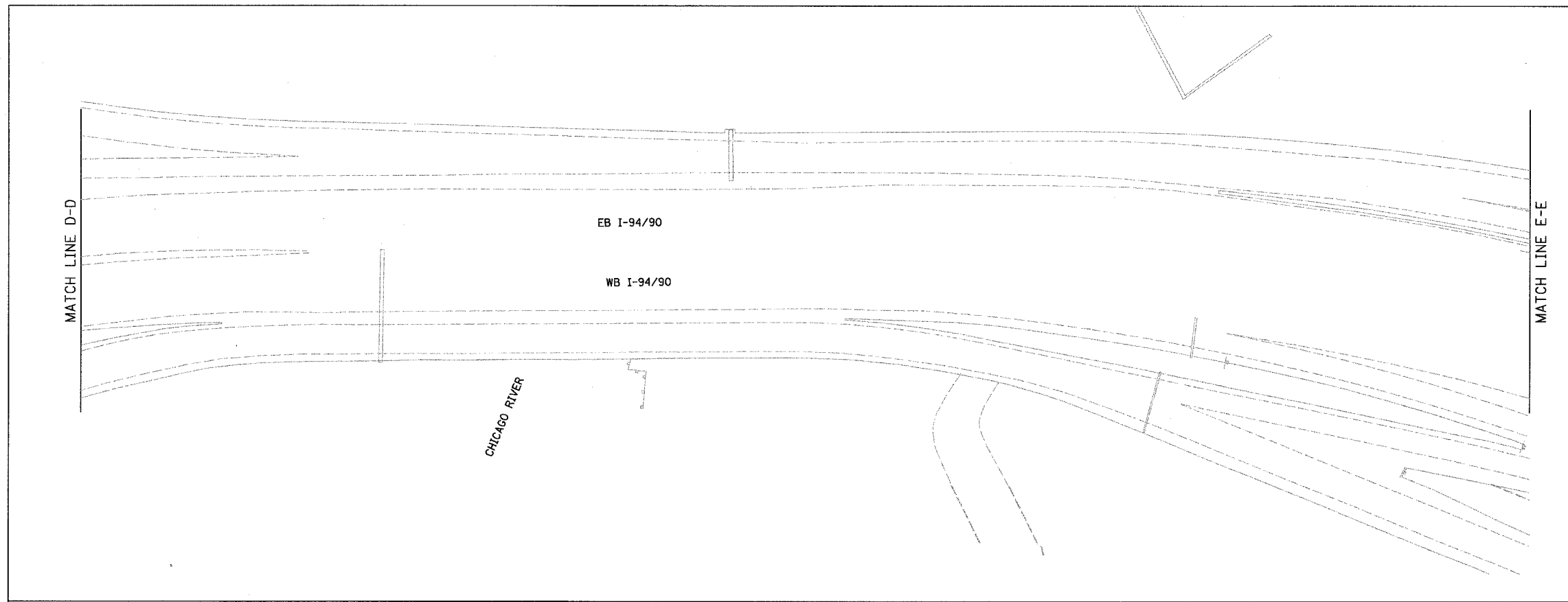
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
 PROPOSED SIGNING PLANS

SCALE: 1"=50'
 DATE: 06/09/06
 DRAWN BY: RV
 CHECKED BY: MSA

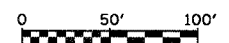
K&E KAM ENGINEERING, INC.
 CONSULTING ENGINEERS
 707A Davis Road, Suite 205
 Elgin, Illinois 60123-1369

4/28/2006 6/8/2006

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	588	248
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62303		(2021-922 PT2 ETC 2324.6-IP) R-11		



- LEGEND:
- ESXX-XX EXISTING OVERHEAD OR CANTILEVER SIGNS
 - GSXX-XX EXISTING POST MOUNTED SIGNS
 - PSXX-XX PROPOSED SIGNS



K&E KAM ENGINEERING, INC.
 CONSULTING ENGINEERS
 707A Davis Road, Suite 205
 Egin, Illinois 60123-1369

REVISIONS	NAME	DATE

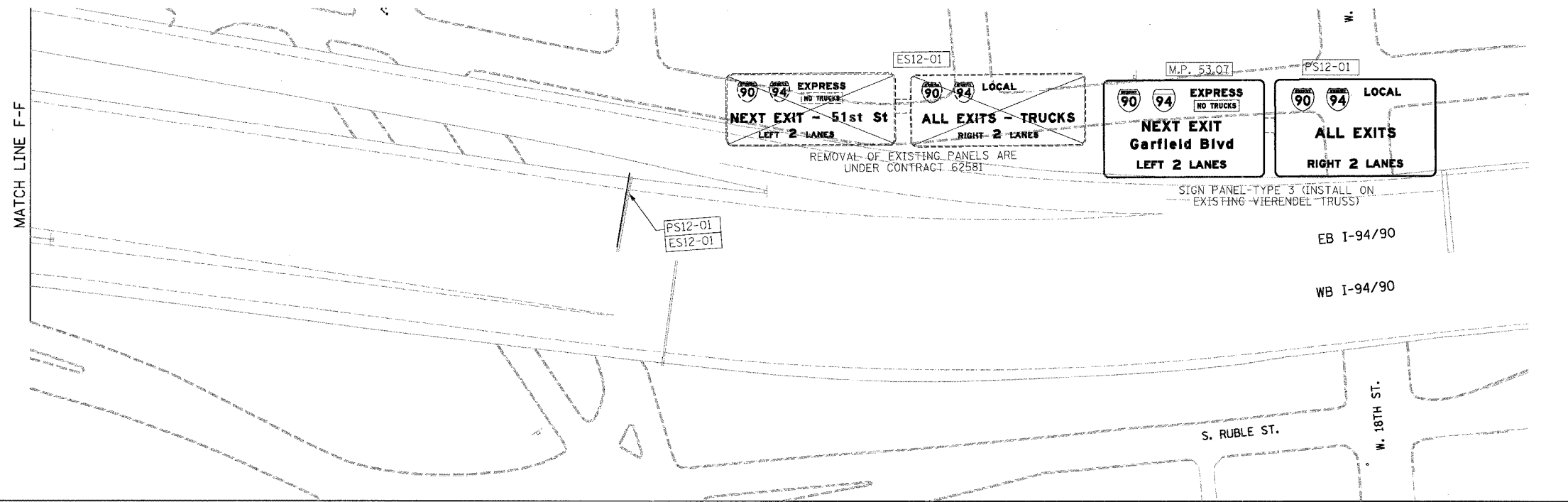
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
 PROPOSED SIGNING PLANS

SCALE: 1"=50'
 DATE: 06/09/06

DRAWN BY: RV
 CHECKED BY: MSA

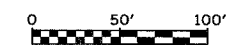
SG-11
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 6/8/2006

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	249
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62303 • (2021-922 PT2 ETC 2324.6-1P) R-11				



LEGEND:

- ESXX-XX EXISTING OVERHEAD OR CANTILEVER SIGNS
- GSXX-XX EXISTING POST MOUNTED SIGNS
- PSXX-XX PROPOSED SIGNS



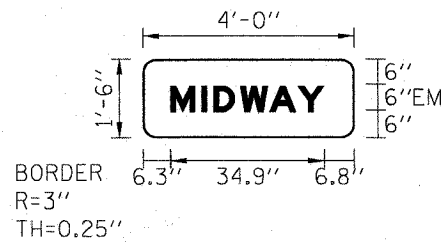
KAM ENGINEERING, INC.
CONSULTING ENGINEERS
7074 Davis Road, Suite 205
Elgin, Illinois 60123-1369

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
PROPOSED SIGNING PLANS
SCALE: 1"=50'
DATE: 06/09/06
DRAWN BY: RV
CHECKED BY: AS

SG-12
4/29/06
6/8/2006

SIGN DETAIL

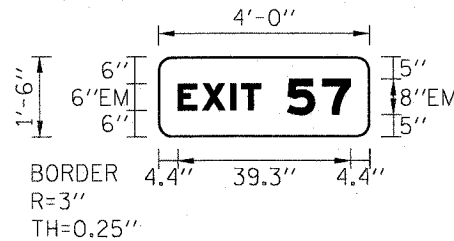


SIGN NUMBER	PS06-06
WIDTH x HEIGHT	4'-0" x 1'-6"
BORDER WIDTH	0.25"
CORNER RADIUS	3"
MOUNTING	GROUND
BACKGROUND	TYPE: REFLECTIVE
	COLOR: BLUE
LEGEND/BORDER	TYPE: REFLECTIVE
	COLOR: WHITE

DIMENSIONS ARE IN INCHES.TENTHS LETTER LOCATIONS ARE PANEL EDGE TO LOWER LEFT CORNER

LETTER POSITIONS (X)						LENGTH SERIES, SIZE	
M	I	D	W	A	Y		
6.3	13.3	16	22.1	28.8	35.2	34.9	EM6

SIGN DETAIL

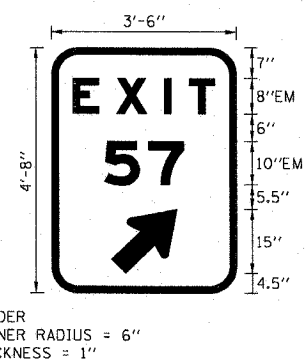


SIGN NUMBER	PS06-06
WIDTH x HEIGHT	4'-0" x 1'-6"
BORDER WIDTH	0.25"
CORNER RADIUS	3"
MOUNTING	GROUND
BACKGROUND	TYPE: REFLECTIVE
	COLOR: BLUE
LEGEND/BORDER	TYPE: REFLECTIVE
	COLOR: WHITE

DIMENSIONS ARE IN INCHES.TENTHS LETTER LOCATIONS ARE PANEL EDGE TO LOWER LEFT CORNER

LETTER POSITIONS (X)						LENGTH SERIES, SIZE	
E	X	I	T	5	7		
4.4	10	16.4	18.8	29.2	37.3	39.3	EM6,EM8

SIGN DETAIL



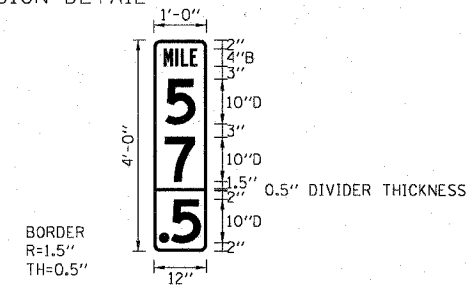
SIGN NUMBER	PS06-03
WIDTH x HEIGHT	3'-6" x 4'-8"
BORDER WIDTH	1.5"
CORNER RADIUS	6"
MOUNTING	BARRIER/RETAINING WALL
BACKGROUND	TYPE: REFLECTIVE
	COLOR: GREEN
LEGEND/BORDER	TYPE: REFLECTIVE
	COLOR: WHITE

SYMBOL	X	Y	WID	HT
ARUP	13.5	4.6	12.6	18.9

DIMENSIONS ARE IN INCHES.TENTHS LETTER LOCATIONS ARE PANEL EDGE TO LOWER LEFT CORNER

LETTER POSITIONS (X)				LENGTH SERIES, SIZE	
E	X	I	T		
4.8	14.7	25.7	31.3	32.3	EM8
5	7			18	EM10
12	22				

SIGN DETAIL

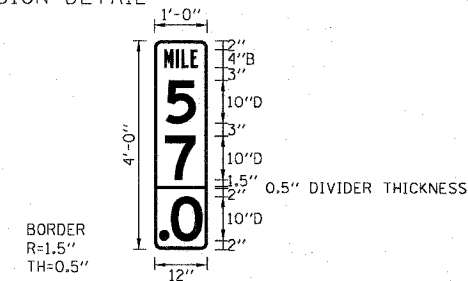


SIGN NUMBER	MM58.0
WIDTH x HEIGHT	1'-0" x 4'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	BARRIER/RETAINING WALL
BACKGROUND	TYPE: REFLECTIVE
	COLOR: GREEN
LEGEND/BORDER	TYPE: REFLECTIVE
	COLOR: WHITE

DIMENSIONS ARE IN INCHES.TENTHS

LETTER POSITIONS (X)						LENGTH SERIES, SIZE	
M	I	L	E				
2.3	5	6.2	8.3			7.5	B4
5						6.8	D10
2.6						6.8	D10
7						9.5	D10
2.5							
	5						
1.2	3.9						

SIGN DETAIL



SIGN NUMBER	MM58.0
WIDTH x HEIGHT	1'-0" x 4'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	BARRIER/RETAINING WALL
BACKGROUND	TYPE: REFLECTIVE
	COLOR: GREEN
LEGEND/BORDER	TYPE: REFLECTIVE
	COLOR: WHITE

DIMENSIONS ARE IN INCHES.TENTHS

LETTER POSITIONS (X)						LENGTH SERIES, SIZE	
M	I	L	E				
2.3	5	6.2	8.3			7.5	B4
5						6.8	D10
2.6						6.8	D10
7						9.8	D10
2.5							
	0						
1.1	3.8						



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)

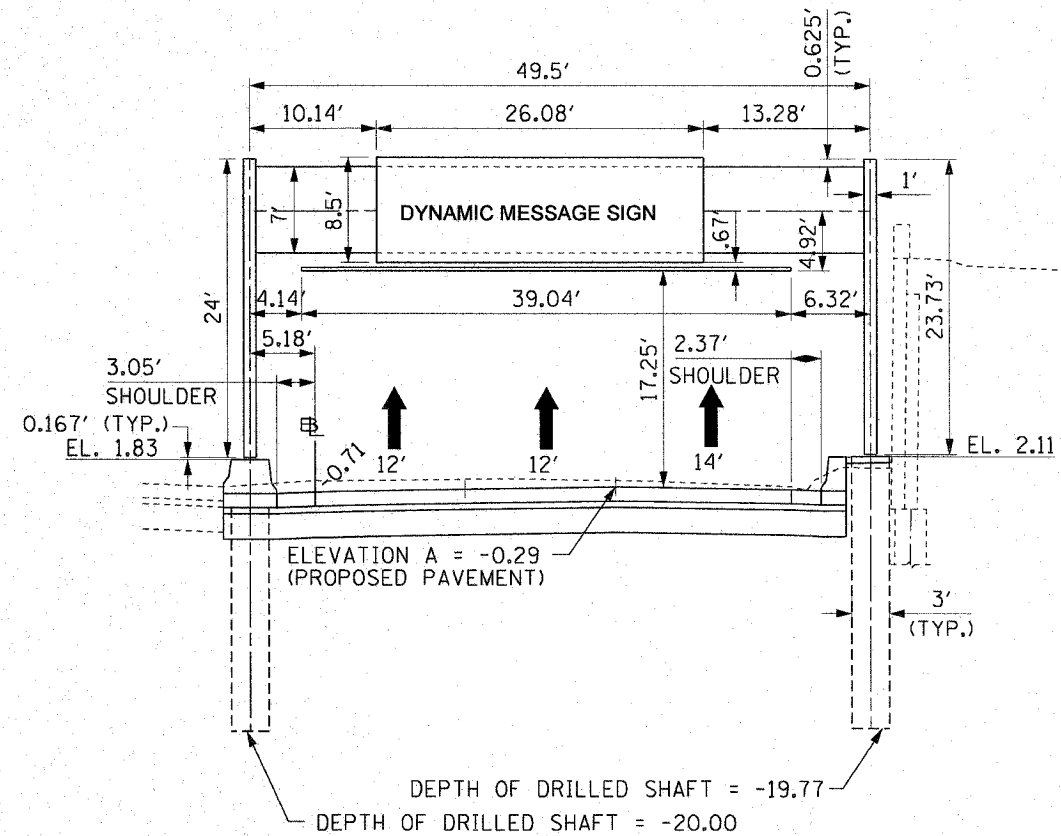
PROPOSED SIGN PANEL DETAILS

SCALE: NONE DRAWN BY: SWANG
DATE: June 9, 2006 CHECKED BY: XXX

6/7/2006 12:29:24 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	588	251
STA.		TO STA.		
62303		ILLINOIS FED. AID PROJECT		
(2021-922 PT2 ETC 2324.6-1P) R-11				

TYPE III-A 12" PIPE TRUSS SUPPORT FRAME



1S0161094R057.8
MOUNTING DETAIL
PROPOSED OVERHEAD SIGN STRUCTURE
FOR DYNAMIC MESSAGE SIGN
STA. 3475+92.44 S.B. I-90/94
LOOKING SOUTH

NOTES:

1. PROPOSED PAVEMENT FOR LOCAL LANES IS SHOWN FOR INFORMATION ONLY.
2. REFER TO ELECTRICAL INFRASTRUCTURE PLANS FOR ORIENTATION AND LOCATION OF THE CONDUIT EMBEDDED IN THE OVERHEAD SIGN FOUNDATIONS.
3. THE DYNAMIC MESSAGE SIGN SHALL BE FASTENED TO THE SIGN TRUSS BY THE CONTRACT 62303 CONTRACTOR. THE CONTRACTOR SHALL COORDINATE THE ERECTION OF THE SIGN TRUSS WITH CONTRACT 62583.
4. THE FABRICATOR SHALL COORDINATE WITH THE MANUFACTURER OF THE DYNAMIC MESSAGE SIGN (DMS) TO DETERMINE THE ACTUAL SIZE, WEIGHT AND MOUNTING DETAILS OF THE DMS BEFORE ORDERING OR FABRICATING ANY MATERIALS FOR THE TRUSS OR WALKWAY/SIGN SUPPORTS.

CTE | AECOM

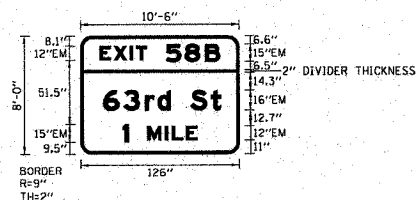
REVISIONS	
NAME	DATE

SGN-1
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
PROPOSED DYNAMIC MESSAGE SIGN
INSTALLATION STA. 3475+92.44
SCALE: NONE
DATE: June 9, 2006
DRAWN BY: JSS
CHECKED BY: MJP

P:\P40468\CIVIL\6-Cntrs IB & 19-SP\CHTR 19-Signing\SS9002A.dwg

7/13/2006 AM

SIGN DETAIL



SIGN NUMBER	1S0161094R057.4 LT
WIDTH x HEIGHT	10'-6" x 8'-0"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	OVERHEAD
BACKGROUND	TYPE: REFLECTIVE
LEGEND/BORDER	COLOR: GREEN
	TYPE: REFLECTIVE
	COLOR: WHITE

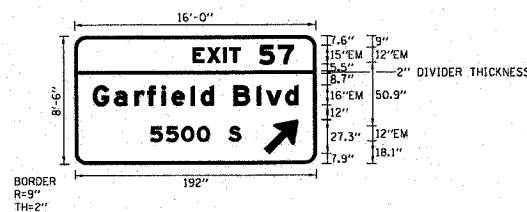
SYMBOL	X	Y	WID	HT

DIMENSIONS ARE IN INCHES, TENTHS

LETTER LOCATIONS ARE PANEL EDGE TO LOWER LEFT CORNER

LETTER POSITIONS (X)											LENGTH SERIES, SIZE	
E	X	I	T	S	B						95.7	EM12,EM15
15.2	26.5	39.3	44.1	67.9	83	98.9						
6	3	r	d	S	t						93.6	EM16/12
18	34.1	51	61.2	71.4	87.4	103.5						
1	M	I	L	E							59.1	EM15,EM12
33.5	52.9	67	72.5	83.7								

SIGN DETAIL



SIGN NUMBER	1S0161094R057.4 RT
WIDTH x HEIGHT	16'-0" x 8'-6"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	OVERHEAD
BACKGROUND	TYPE: REFLECTIVE
LEGEND/BORDER	COLOR: GREEN
	TYPE: REFLECTIVE
	COLOR: WHITE

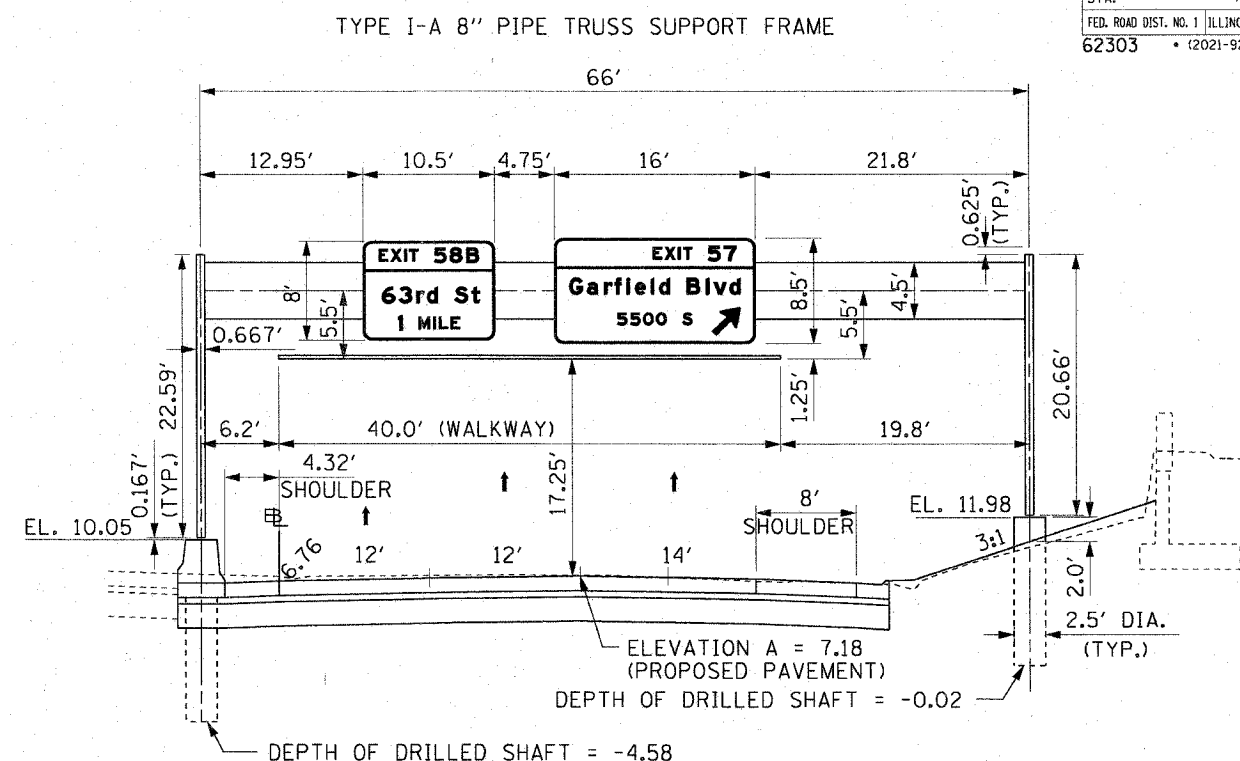
SYMBOL	X	Y	WID	HT
ARMED	150.4	7.9	22.3	35.1

DIMENSIONS ARE IN INCHES, TENTHS

LETTER LOCATIONS ARE PANEL EDGE TO LOWER LEFT CORNER

LETTER POSITIONS (X)											LENGTH SERIES, SIZE		
E	X	I	T	S	7						79.8	EM12,EM15	
94.2	105.5	118.3	123.1	146.9	162								
G	a	r	f	i	e	l	d	B	l	v	d	163.4	EM16/12
14.3	31.3	47.6	57.7	69	77	92.3	100.2	110.4	126.4	144.9	152.4	167.5	
5	5	0	0	S								72	EM12
60	72.7	84.7	97.1	110.2	122.2								

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	588	252
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
62303	(2021-922 PT2 ETC 2324.6-1P) R-11			



1S0161094R057.4
MOUNTING DETAIL
PROPOSED OVERHEAD SIGN STRUCTURE
STA 3493+30.00 S.B. I-90/94
LOOKING SOUTH

NOTES:

1. PROPOSED PAVEMENT FOR LOCAL LANES IS SHOWN FOR INFORMATION ONLY.
2. REFER TO ELECTRICAL INFRASTRUCTURE PLANS FOR ORIENTATION AND LOCATION OF THE CONDUIT EMBEDDED IN THE OVERHEAD SIGN FOUNDATIONS.

CTE | AECOM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)

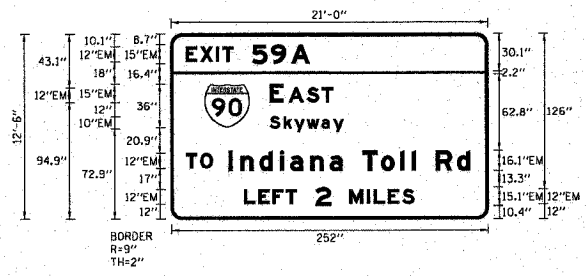
SIGN PANEL AND PLACEMENT DETAILS
PROPOSED OVERHEAD SIGN STRUCTURES
STA. 3493+30.00

SCALE: NONE DRAWN BY: JSS
DATE: June 9, 2006 CHECKED BY: MJP

SGN-2

6/7/2006 11:38:56 AM

SIGN DETAIL



SIGN NUMBER	IS0161094R057.1 LT
WIDTH x HEIGHT	21'-0" x 12'-6"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	OVERHEAD
BACKGROUND	TYPE: REFLECTIVE
LEGEND/BORDER	COLOR: GREEN
	TYPE: REFLECTIVE
	COLOR: WHITE

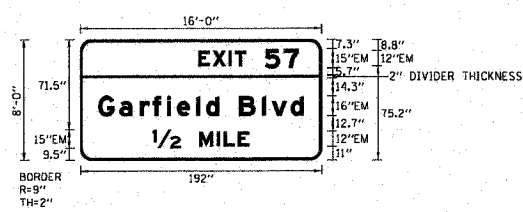
SYMBOL	X	Y	WID	HT
MI.1	26.7	73.9	36	36

DIMENSIONS ARE IN INCHES, TENTHS

LETTER LOCATIONS ARE PANEL EDGE TO LOWER LEFT CORNER

LETTER POSITIONS (X)											LENGTH SERIES, SIZE					
E	X	I	T	S	9	A					98.7	EM12,EM15				
12	23.3	36.1	41	64.7	79.8	95.7										
E	A	S	T								50.3	EM15,EM12				
78.6	93.6	108.1	120.2													
S	K	Y	W	A	Y						58.5	EM10/7.5				
78.6	89.8	98.2	108	119.9	129.1											
T	O										21.3	EM12				
11.9	23.3															
I	N	D	I	A	N	A	T	O	I	L	R	D	192.2	EM16.1/12.1		
45.7	55.3	70.5	86.8	94.8	111.1	126.3	136.4	152.4	167.2	182.6	191.8	194.8	210.7	227.7		
L	E	F	T	2	M	I	L	E	S						135.4	EM12,EM15.1
58.1	69.4	80.7	91.2	114.9	141.6	155.8	161.2	172.5	183.8							

SIGN DETAIL



SIGN NUMBER	IS0161094R057.1 RT
WIDTH x HEIGHT	16'-0" x 8'-0"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	OVERHEAD
BACKGROUND	TYPE: REFLECTIVE
LEGEND/BORDER	COLOR: GREEN
	TYPE: REFLECTIVE
	COLOR: WHITE

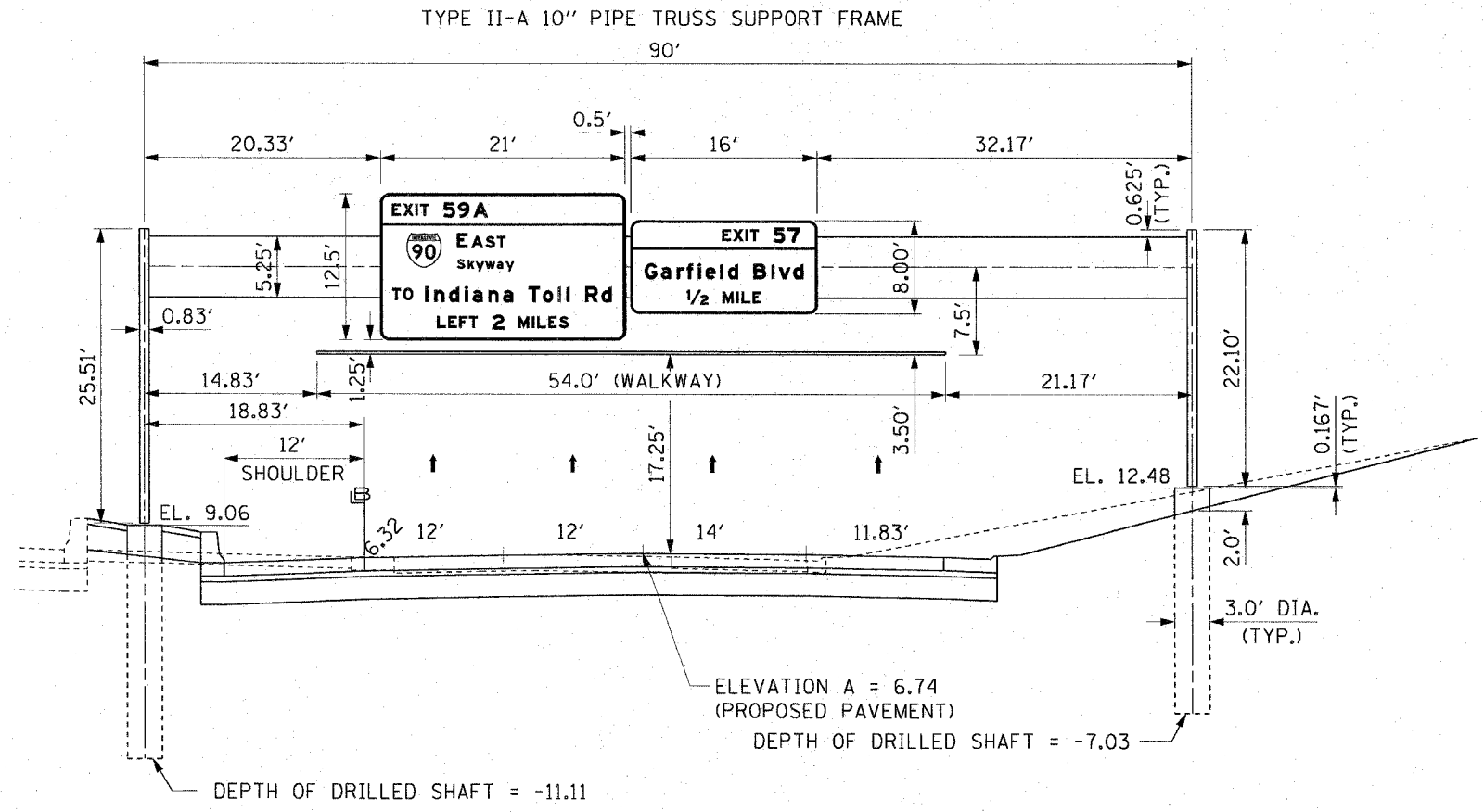
SYMBOL	X	Y	WID	HT

DIMENSIONS ARE IN INCHES, TENTHS

LETTER LOCATIONS ARE PANEL EDGE TO LOWER LEFT CORNER

LETTER POSITIONS (X)											LENGTH SERIES, SIZE					
E	X	I	T	S	7						79.8	EM12,EM15				
94.2	105.5	118.3	123.1	146.9	162											
G	A	R	F	I	E	L	D	B	L	V	D	163.4	EM16/12			
14.3	31.3	47.6	57.7	69	77	92.3	100.2	110.4	126.4	144.9	152.4	167.5				
1/2	M	I	L	E									76.6	EM15,EM12		
57.7	94.7	108.8	114.2	125.5												

F.A.I. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	588	253
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
62303	(2021-922 PT2 ETC 2324.6-1P) R-11			



IS0161094R057.1
MOUNTING DETAIL
PROPOSED OVERHEAD SIGN STRUCTURE
STA 3511+00.00 S.B. I-90/94
LOOKING SOUTH

NOTES:

1. PROPOSED PAVEMENT FOR LOCAL LANES IS SHOWN FOR INFORMATION ONLY.
2. REFER TO ELECTRICAL INFRASTRUCTURE PLANS FOR ORIENTATION AND LOCATION OF THE CONDUIT EMBEDDED IN THE OVERHEAD SIGN FOUNDATIONS.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)

SIGN PANEL AND PLACEMENT DETAILS
PROPOSED OVERHEAD SIGN STRUCTURES
STA. 3511+00.00

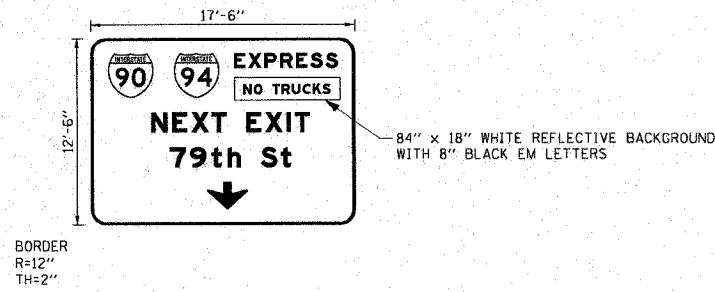
SCALE: NONE DRAWN BY: JSS
DATE: June 9, 2006 CHECKED BY: MJP

SGN-3

P:\P4068\CIVIL\BCH\CHRS 18 & 19\CHC\CHC 19\Signing\SS1900032A.DWG

6/7/2006 10:39:08 AM

SIGN DETAIL



SIGN NUMBER	IS0161094R056.8 LT
WIDTH x HEIGHT	17'-6" x 12'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	OVERHEAD
BACKGROUND	TYPE: REFLECTIVE
LEGEND/BORDER	COLOR: GREEN
	TYPE: REFLECTIVE
	COLOR: WHITE

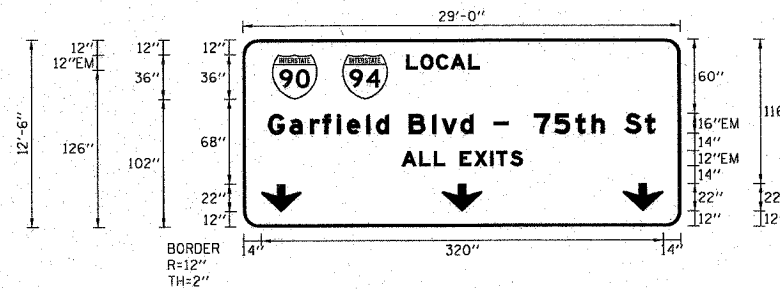
SYMBOL	X	Y	WID	HT
MI.1	13.8	102	36	36
MI.1	66.2	102	36	36
AR.DOWN	92.6	12	32	22

DIMENSIONS ARE IN INCHES.TENTHS

LETTER LOCATIONS ARE PANEL EDGE TO LOWER LEFT CORNER

LETTER POSITIONS (X)													LENGTH SERIES, SIZE	
E	X	P	R	E	S	S							82.5	EM12
114.2	125.5	138.3	150.9	163.6	174.9	186.9								
N	E	X	T	E	X	I	T						126	EM16
48.1	64.9	80	96	107.7	123.7	138.8	155.9	162.4						
7	9	t	h	S	t								96.5	EM16/12
62.8	78.9	95.8	108.9	119.1	135.2	151.3								

SIGN DETAIL



SIGN NUMBER	IS0161094R056.8 RT
WIDTH x HEIGHT	29'-0" x 12'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	OVERHEAD
BACKGROUND	TYPE: REFLECTIVE
LEGEND/BORDER	COLOR: GREEN
	TYPE: REFLECTIVE
	COLOR: WHITE

SYMBOL	X	Y	WID	HT
MI.1	23.1	102	36	36
MI.1	79.1	102	36	36
AR.DOWN	14	12	32	22
AR.DOWN	158	12	32	22
AR.DOWN	302	12	32	22

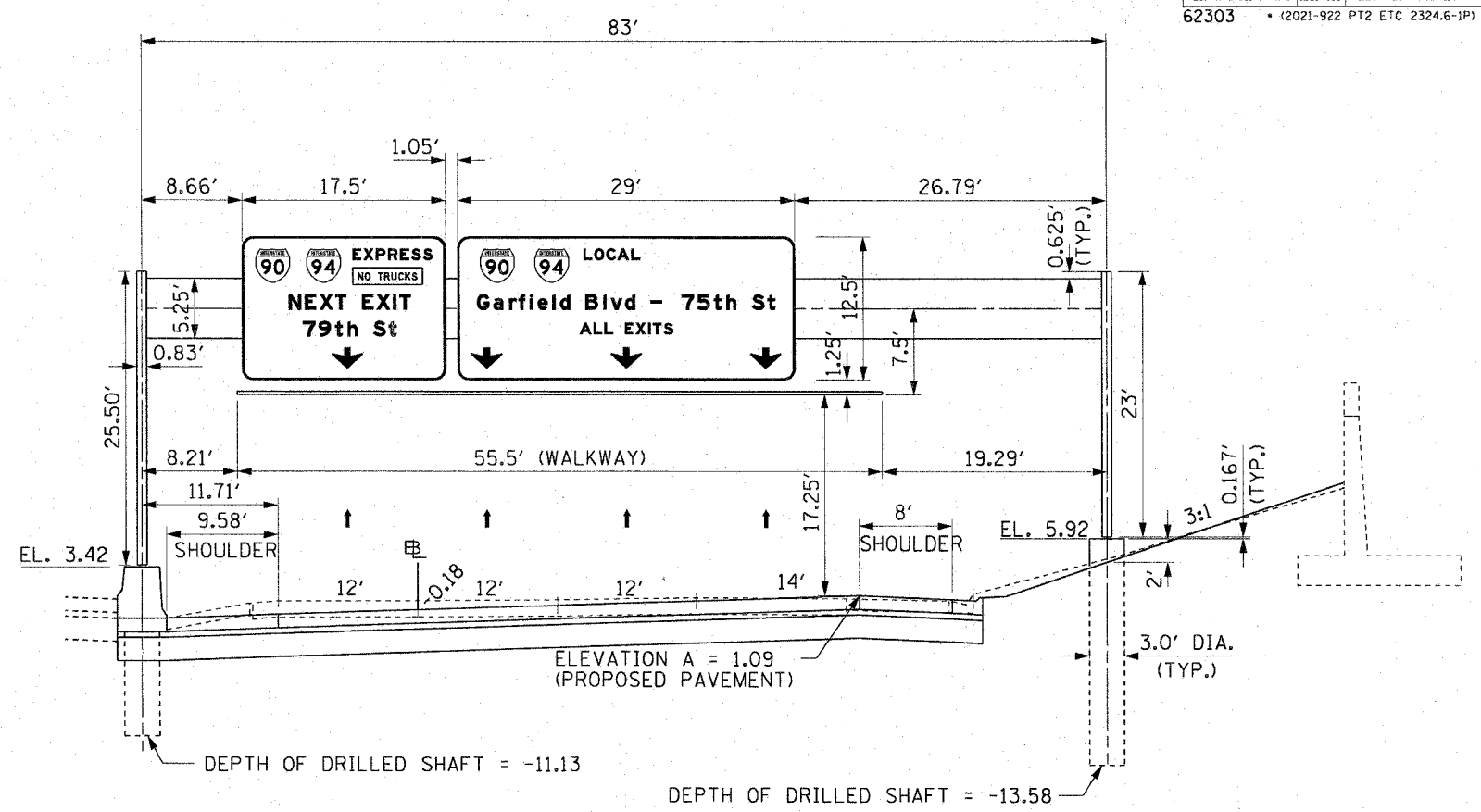
DIMENSIONS ARE IN INCHES.TENTHS

LETTER LOCATIONS ARE PANEL EDGE TO LOWER LEFT CORNER

LETTER POSITIONS (X)													LENGTH SERIES, SIZE				
L	O	C	A	L									58.2	EM12			
130.1	141.4	153.8	165	179.5													
G	a	r	f	i	e	l	d	B	l	v	d	(CONTINUED NEXT LINE)					
19.9	36.9	53.2	63.3	74.8	82.6	97.9	105.8	116.1	132	150.5	158	173.1	183.3				
(CONTINUED FROM PREVIOUS)									7	5	t	h	S	t			
									199.3	211.3	231.5	247.6	264.5	277.5	287.8	303.8	319.9
A	L	L	E	X	I	T	S										
125.9	140.4	151.6	160.5	172.5	183.7	196.6	201.4	212.7									

F.A.I. RTEL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	588	254
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			62303	
(2021-922 PT2 ETC 2324.6-1P) R-11				

TYPE II-A 10" PIPE TRUSS SUPPORT FRAME



IS0161094R056.8
MOUNTING DETAIL
PROPOSED OVERHEAD SIGN STRUCTURE
STA 3524+00.00 S.B. I-90/94
LOOKING SOUTH

NOTES:

1. PROPOSED PAVEMENT FOR LOCAL LANES IS SHOWN FOR INFORMATION ONLY.
2. REFER TO ELECTRICAL INFRASTRUCTURE PLANS FOR ORIENTATION AND LOCATION OF THE CONDUIT EMBEDDED IN THE OVERHEAD SIGN FOUNDATIONS.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)

SIGN PANEL AND PLACEMENT DETAILS
PROPOSED OVERHEAD SIGN STRUCTURES
STA. 3524+00.00

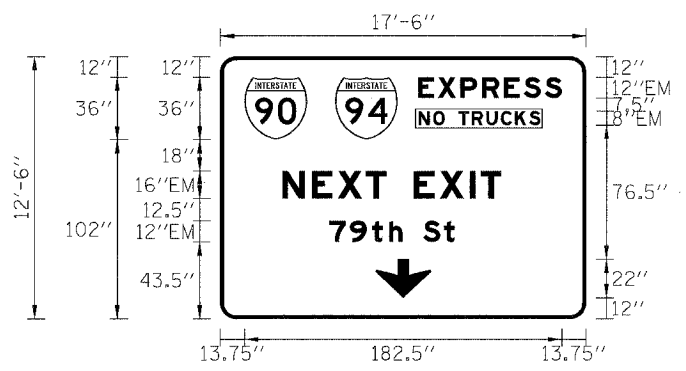
SCALE: NONE
DATE: June 9, 2006
DRAWN BY: JSS
CHECKED BY: MJP

SGN-4

6/7/2006 11:39:45 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	255
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 62303 (2021-922 PT2 ETC 2324.6-IP) R-11				

SIGN DETAIL
1:100



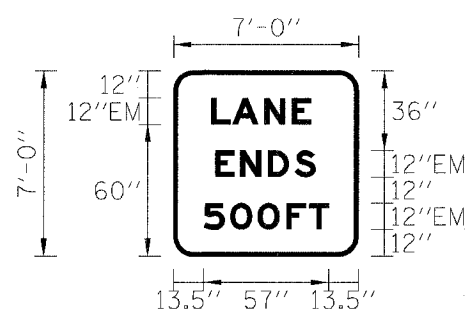
SIGN NUMBER	1S016I094R056.67 LT
WIDTH x HGHT.	17'-6" x 12'-6"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	13.7	102	36	36
M1_1	65.7	102	36	36
ARDOWN	89	12	32	22

Panel Style: guide_exp_advance_b.ssi
Dimensions are in inches, tenths
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIESIZE
E	X	P	R	E	S	S					EM12
113.7	125	137.8	150.5	163.1	174.4	186.5				82.5	
N	O	T	R	U	C	K	S				EM8
113.8	122.2	128.8	136.8	144.4	152.8	161.2	169.3	177.4		70.2	
N	E	X	T	E	X	I	T				EM16
35.4	52.3	67.4	83.4	95.1	111.1	126.1	143.2	149.7		126	
7	9	t	h	S	t						EM129
62.3	74.3	87	96.8	104.5	116.5	128.6				72.4	

SIGN DETAIL
1:100



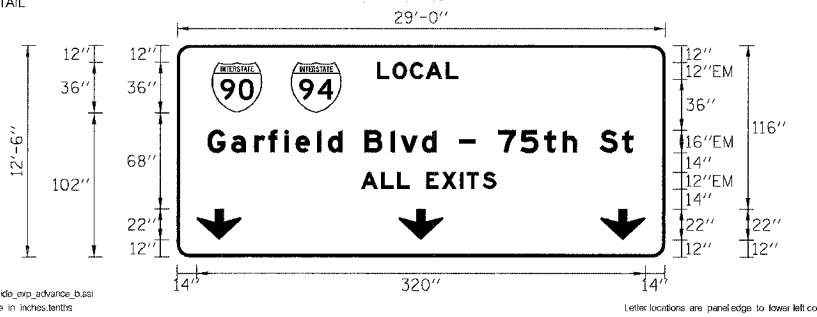
SIGN NUMBER	1S016I094R056.47CN
WIDTH x HGHT.	7'-0" x 7'-0"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White

SYMBOL	X	Y	WID	HT

Panel Style: guide_exp_advance_b.ssi
Dimensions are in inches, tenths
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIESIZE
L	A	N	E								EM12
17	26.6	41.1	53.7							45.6	
E	N	D	S								EM12
18.9	30.2	42.8	54.8							45.8	
5	0	0	F	T							EM12
13.7	25.8	38.2	51.3	61.7						56.8	

SIGN DETAIL
1:100



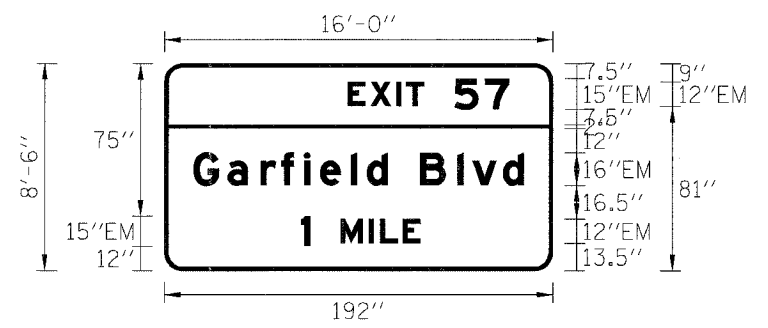
SIGN NUMBER	1S016I094R056.67 RT
WIDTH x HGHT.	29'-0" x 12'-6"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	24.6	102	36	36
M1_1	81	102	36	36
ARDOWN	14	12	32	22
ARDOWN	158	12	32	22
ARDOWN	302	12	32	22

Panel Style: guide_exp_advance_b.ssi
Dimensions are in inches, tenths
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																		LENGTH	SERIESIZE						
L	O	C	A	L															EM12						
142.4	153.6	166.1	177.3	191.8														58.7							
G	a	r	f	i	e	l	d	B	i	v	d	-	7	5	t	h	S	t		EM16/12					
21.5	38.5	54.9	64.0	76.3	84.3	96.6	107.5	117.7	133.7	152.2	159.7	174.7	185	201	213	229	245	262	275	285.3	301.3	317.4	303.9		
A	L	L	E	X	I	I	S																		EM12
151.2	146.7	157	166.6	177.8	189.1	201.9	206.9	218																96.8	

SIGN DETAIL
1:100



SIGN NUMBER	1S016I094R056.47 CN
WIDTH x HGHT.	16'-0" x 8'-6"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White

SYMBOL	X	Y	WID	HT

Panel Style: guide_exp_advance_b.ssi
Dimensions are in inches, tenths
Letter locations are panel edge to lower left corner

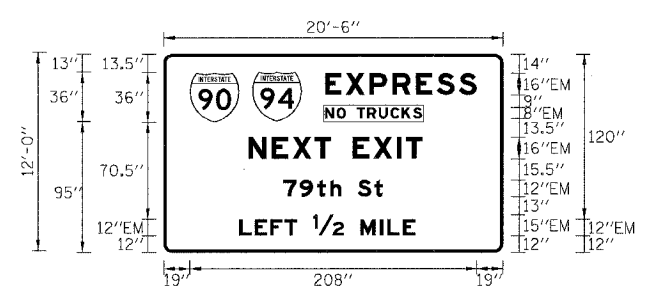
LETTER POSITIONS (X)												LENGTH	SERIESIZE	
E	X	I	T	5	7								EM12,EM15	
90.6	101.9	114.7	119.6	143.3	158.4							79.8		
G	a	r	f	i	e	l	d	B	i	v	d		EM16/12	
14.3	31.3	47.6	57.7	69	77.1	92.3	100.2	110.5	126.5	144.9	152.4	167.5	163.4	
1	M	I	L	E										EM15,EM12
67.7	87.1	101.2	106.7	118									59.1	

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 90/94 (DAN RYAN EXPRESSWAY) GARFIELD BLVD TO 31st STREET (SB LOCAL LANES) SIGN PANEL DETAILS
NAME	DATE	

SCALE: NONE
DATE: 06/09/06
DRAWN BY: RV
CHECKED BY: AS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	588	256
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*62303 (2021-922 PT2 ETC 2324.6-1P) R-11				

SIGN DETAIL
1:100



SIGN NUMBER	1S016I094R056.47 LT
WIDTH x HIGHT.	20'-6" x 12'-0"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White

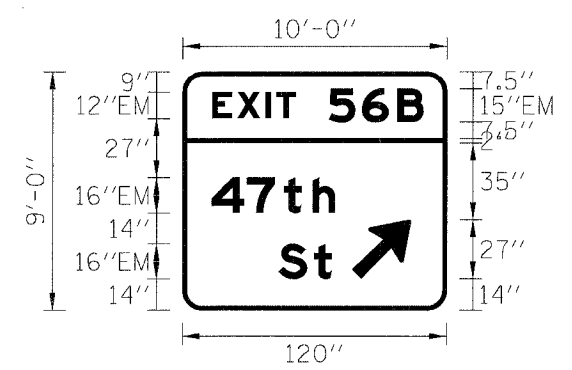
SYMBOL	X	Y	WID	HT
MI_1	19	95	36	36
MI_1	64.2	95	36	36

Panel Style: guide_exp_advance_b.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIES/SIZE
E	X	P	R	E	S	S					EM16
117.1	132.2	149.3	166.1	183	198	214.1				110.1	
N	O		T	R	U	C	K	S			EM8
117.1	125.6	132.2	140.2	147.7	156.1	164.6	172.6	180.8		70.2	
N	E	X	T		E	X	I	T			EM16
61.6	78.4	93.5	109.5	121.2	137.2	152.3	169.4	175.8		126	
7	9	t	h		S	t					EM129
86.6	98.7	111.4	121.2	128.8	140.8	152.9				72.4	
L	E	F	T	1/2	M	I	L	E			EM12,EM15
54.7	66	77.3	87.8	108.5	142.5	152.1	166.6	179.2		145.6	

SIGN DETAIL
1:100



SIGN NUMBER	1S016I094R056.47 RT
WIDTH x HIGHT.	10'-0" x 9'-0"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White

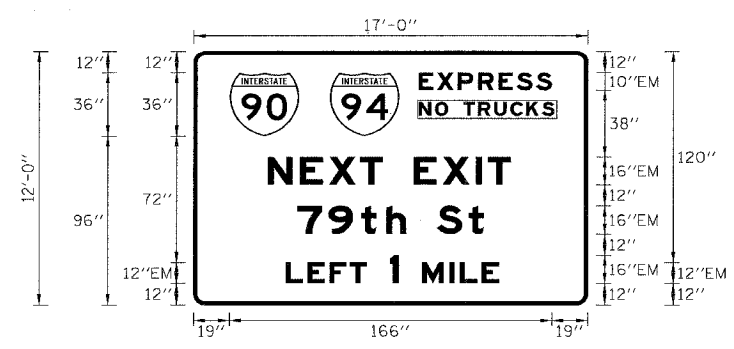
SYMBOL	X	Y	WID	HT
ARMED	76.8	14	22	34.6

Panel Style: guide_exp_advance_b.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIES/SIZE
E	X	I	T	5	6	B					EM12,EM15.1
13.5	24.8	37.6	42.4	66.3	81.4	97.4				96	
4	7	t	h								EM16/12
13.1	28.9	45.9	58.9	69.2						57.2	
S	t										EM16/12
43.5	59.6									24.2	

SIGN DETAIL
1:100



SIGN NUMBER	1S016I094R056.02 LT
WIDTH x HIGHT.	17'-0" x 12'-0"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White

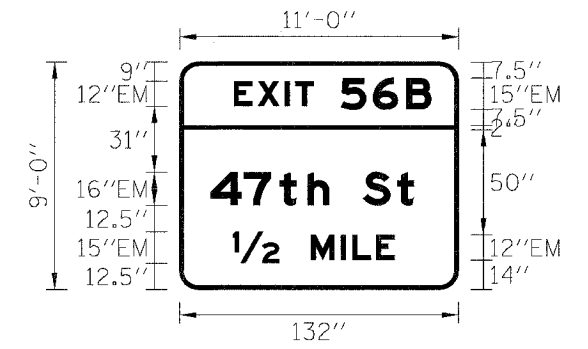
SYMBOL	X	Y	WID	HT
MI_1	19	96	36	36
MI_1	70.6	96	36	36

Panel Style: guide_exp_advance_b.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIES/SIZE
E	X	P	R	E	S	S					EM10
116.6	126	136.7	147.2	157.8	167.2	177.2				68.8	
N	O		T	R	U	C	K	S			EM8
116.6	125.1	131.7	139.7	147.2	155.6	164.1	172.1	180.2		70.2	
N	E	X	T		E	X	I	T			EM16
38.3	55.2	70.3	86.3	98	114	129.1	146.1	152.6		126	
7	9	t	h		S	t					EM16/12
53.8	69.9	86.8	99.9	110.1	126.1	142.3				96.5	
L	E	F	T	1	M	I	L	E			EM12,EM16
47.9	59.2	70.5	80.9	101.7	118.5	132.6	138	149.3		110.2	

SIGN DETAIL
1:100



SIGN NUMBER	1S016I094R056.02 CN
WIDTH x HIGHT.	11'-0" x 9'-0"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White

SYMBOL	X	Y	WID	HT

Panel Style: guide_exp_advance_b.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIES/SIZE
E	X	I	T	5	6	B					EM12,EM15
25.7	36.9	49.8	54.6	76.3	91.4	107.3				93.6	
4	7	t	h		S	t					EM16/12
14.7	30.5	47.4	60.5	70.8	86.7	102.9				96.3	
1/2	M	I	L	E							EM15,EM12
25.2	62.2	76.3	81.7	93						76.6	

REVISIONS	
NAME	DATE

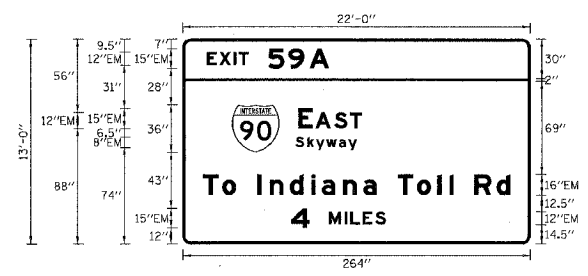
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
SIGN PANEL DETAILS

SCALE: NONE
DATE: 06/09/06
DRAWN BY: RV
CHECKED BY: AS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	257
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11

SIGN DETAIL
1:100



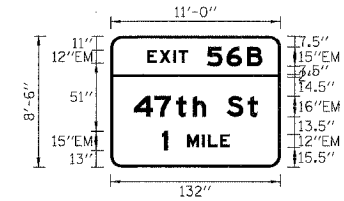
SIGN NUMBER	1S0161094R055.08 LT
WIDTH x HGHT.	22'-0" x 13'-0"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White

SYMBOL	X	Y	WID	HT
MI_1	37.3	69.9	36	36

Panel Style: guide_exp_advance_b.ssi
Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)													LENGTH	SERIES/SIZE					
E	X	I	T	5	9	A							93	EM10.1,EM15.1					
18.4	27.9	38.7	42.8	65.2	80.3	96.3													
E	A	S	T										48.2	EM15,EM12					
87.8	100.7	115.1	127.2																
S	k	y	w	a	y								46.8	EM96					
85.6	94.5	101.2	109.1	118.6	125.9														
T	o	i	n	d	i	a	n	a	T	o	i	i	R	d	233.5	EM1612			
15.2	30	40.5	56.5	66.2	81.4	97.6	105.6	122	137.1	147.3	163.3	178	193.5	202.6	205.6	221.6	238.5		
4	M	I	L	E	S													72.1	EM15,EM10
82.3	111.1	122.9	127.4	136.8	146.2														

SIGN DETAIL
1:75



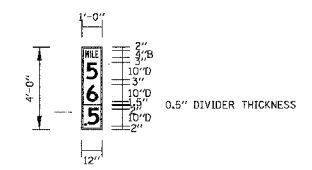
SIGN NUMBER	1S0161094R055.46 LT
WIDTH x HGHT.	11'-0" x 8'-6"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White

SYMBOL	X	Y	WID	HT

Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)													LENGTH	SERIES/SIZE
E	X	I	T	5	6	B							89.4	EM12,EM15
28.6	38	48.7	52.7	75.1	90.2	106								
4	7	t	h	S	t								96.3	EM1612
18.2	34	51	64	74.3	90.3	106.4								
1	M	I	L	E									52.5	EM15,EM12
40.1	59.5	71.3	75.8	85.2										

SIGN DETAIL
1:100



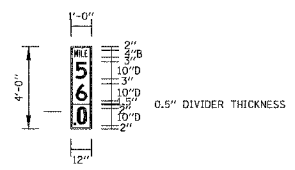
SIGN NUMBER	PS24-03
WIDTH x HGHT.	4'-0" x 12'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Barrier
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White

SYMBOL	X	Y	WID	HT

Panel Style: guide_exp_distance.ssi
Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)					LENGTH	SERIES/SIZE
M	I	L	E		7.5	M
21	4.8	8	8.1			
5					6.8	D80
2.6						
6					6.8	D80
2.9						
1.6					1.5	D80
5						
3.3					6.8	D80

SIGN DETAIL
1:100



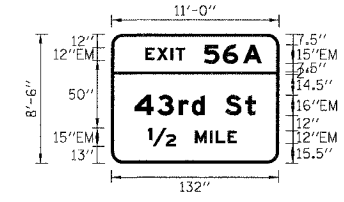
SIGN NUMBER	PS24-02
WIDTH x HGHT.	4'-0" x 12'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Barrier
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White

SYMBOL	X	Y	WID	HT

Panel Style: guide_exp_distance.ssi
Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)					LENGTH	SERIES/SIZE
M	I	L	E		7.5	M
21	4.8	8	8.1			
5					6.8	D80
2.6						
6					6.8	D80
2.9						
1.6					1.5	D80
5						
3.3					6.8	D80

SIGN DETAIL
1:75



SIGN NUMBER	1S0161094R055.46 RT
WIDTH x HGHT.	11'-0" x 8'-6"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White

SYMBOL	X	Y	WID	HT

Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)													LENGTH	SERIES/SIZE
E	X	I	T	5	6	A							92.4	EM12,EM15
26.5	35.9	46.6	50.6	73	88	103.9								
4	3	r	d	S	t								95.6	EM1612
18.2	36.2	53.2	63.3	73.6	89.6	105.7								
12	M	I	L	E									70	EM15,EM12
29	66	77.8	82.3	91.7										



REVISIONS	
NAME	DATE

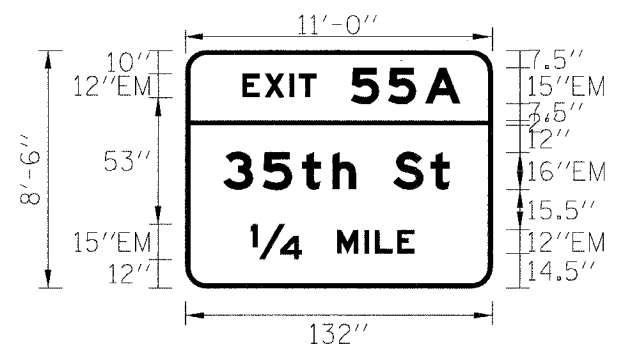
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
SIGN PANEL DETAILS

SCALE: NONE DRAWN BY: RV
DATE: 06/09/06 CHECKED BY: AS

6/8/2006 12:25:12 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COCK	588	258
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 62305 (2021-922 PT2 ETC 2324.6-IP) R-11				

SIGN DETAIL
1:100



SIGN NUMBER	1B0161094R054.70 RT
WIDTH x HGHT.	11'-0" x 8'-6"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGENDBORDER	TYPE: Reflective COLOR: White

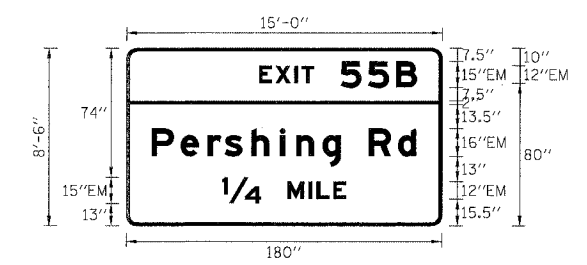
SYMBOL	X	Y	WID	HT

Panel Style: guide_exp_advance_b.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIESIZE	
E	X	I	T	S	S	A					93.8	EM12,EM15
24.4	33.9	44.7	48.8	71.2	87.1	103.1						
3	5	t	h		S	t					97.3	EM16/12
16.2	33.1	50	63.1	73.3	89.3	105.5						
14	M	I	L	E							70.5	EM15,EM10
27.9	65.1	76.9	81.5	91								

SIGN DETAIL
1:100



SIGN NUMBER	1B0161094R054.97 LT
WIDTH x HGHT.	15'-0" x 8'-6"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGENDBORDER	TYPE: Reflective COLOR: White

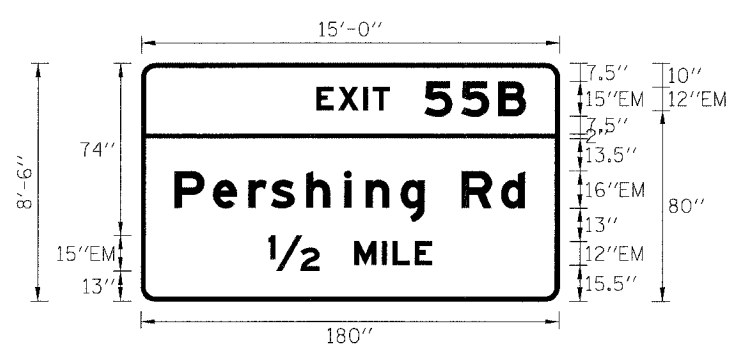
SYMBOL	X	Y	WID	HT

Panel Style: guide_exp_advance_b.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIESIZE		
E	X	I	T	S	S	B					90.2	EM12,EM15	
75.5	84.9	95.6	99.6	122	137.8	153.6							
P	e	r	s	h	i	n	g		R	d		150.8	EM16/12
14.4	31	46.2	56.1	71.1	87.4	96.7	111.8	122	138	155			
14	M	I	L	E								70.5	EM15,EM12
54.8	91.9	103.8	108.4	117.9									

SIGN DETAIL
1:100



SIGN NUMBER	1B0161094R054.70 LT
WIDTH x HGHT.	15'-0" x 8'-6"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGENDBORDER	TYPE: Reflective COLOR: White

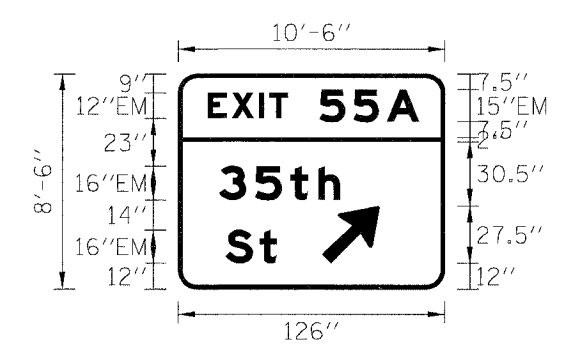
SYMBOL	X	Y	WID	HT

Panel Style: guide_exp_advance_b.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIESIZE		
E	X	I	T	S	S	B					90.2	EM12,EM15	
75.5	84.9	95.6	99.6	122	137.8	153.6							
P	e	r	s	h	i	n	g		R	d		150.8	EM16/12
14.4	31	46.2	56.1	71.1	87.4	96.7	111.8	122	138	155			
12	M	I	L	E								70.5	EM15,EM12
54.8	91.9	103.8	108.4	117.9									

SIGN DETAIL
1:100



SIGN NUMBER	1B0161094R054.97 RT
WIDTH x HGHT.	10'-6" x 8'-6"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGENDBORDER	TYPE: Reflective COLOR: White

SYMBOL	X	Y	WID	HT
ARMED	67.9	12	22.3	35.2

Panel Style: guide_exp_advance_b.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIESIZE		
E	X	I	T	S	S	A					99.7	EM12,EM15.1	
14	25.3	38.1	43	66.8	82.7	98.7							
3	5	I	h								57.1	EM16/12	
19.3	36.2	53.1	66.2										
S	t											24.2	EM16/12
22.2	38.4												

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
SIGN PANEL DETAILS

SCALE: NONE
DATE: 06/09/06
DRAWN BY: RV
CHECKED BY: AS

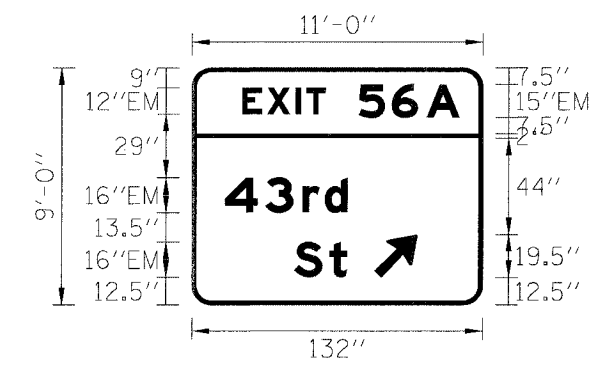
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	259
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11

SIGN NUMBER	1S016I094R056.02 RT
WIDTH x HGT.	11'-0" x 9'-0"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White

SYMBOL	X	Y	WID	HT
ARMED	82.8	12.4	16	25.2

SIGN DETAIL
1:100

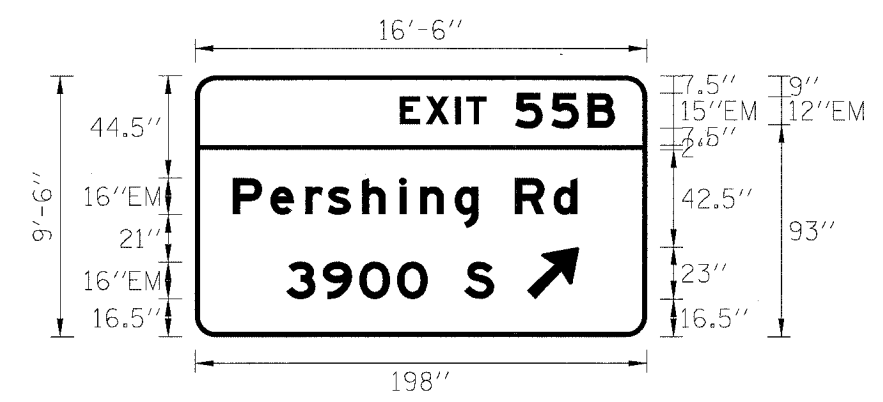


Panel Style: guide_exp_advance_b.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE
E	X	I	T	5	6	A					98.7	EM12,EM15
22.8	34	46.9	51.7	75.5	90.6	106.5						
4	3	r	d								55.4	EM16/12
15	33	50	60.1									
S	t										24.2	EM16/12
46.2	62.3											

SIGN DETAIL
1:100



Panel Style: guide_exp_advance_b.ssi
Dimensions are in inches.tenths

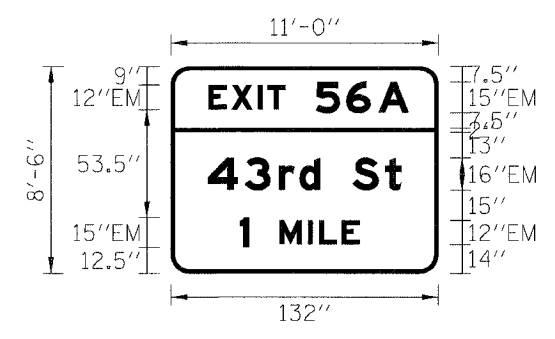
Letter locations are panel edge to lower left corner

SIGN NUMBER	1C016I094R055.20
WIDTH x HGT.	16'-6" x 9'-6"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White

SYMBOL	X	Y	WID	HT
ARMED	145.5	16.5	18.5	29.2

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE
E	X	I	T	5	5	B					94	EM12,EM15
89.9	101.2	114	118.9	140.3	156.1	171.9						
P	e	r	s	h	i	n	g	R	d		150.8	EM16/12
16.5	33.1	48.4	58.2	73.3	89.6	98.8	114	124.2	140.2	157.1		
3	9	0	0		S						91	EM16
40.1	56.1	72.2	88.8	102	118							

SIGN DETAIL
1:100



Panel Style: guide_exp_advance_b.ssi
Dimensions are in inches.tenths

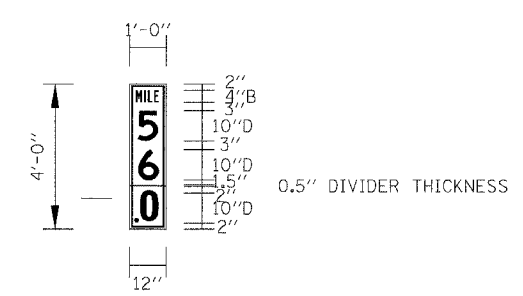
Letter locations are panel edge to lower left corner

SIGN NUMBER	1S016I094R055.0 RT
WIDTH x HGT.	11'-0" x 8'-6"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White

SYMBOL	X	Y	WID	HT

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE
E	X	I	T	5	6	A					99	EM12,EM15.1
18.6	29.9	42.7	47.5	71.3	86.5	102.5						
4	3	r	d		S	t					95.6	EM16/12
18.2	36.3	53.2	63.4	73.6	89.6	105.7						
1	M	I	L	E							59.1	EM15.1,EM12
34	53.5	67.6	73	84.3								

SIGN DETAIL
1:100



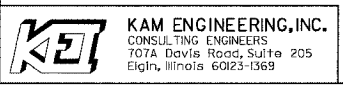
Panel Style: guide_exp_distance.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	PS05-02
WIDTH x HGT.	1'-0" x 4'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Barrier
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White

SYMBOL	X	Y	WID	HT

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE
M	I	L	E								7.5	B4
2.1	4.8	6	8.1									
5											6.8	D10
2.6												
6											6.8	D10
2.9												
16											1.5	D10
0											6.8	D10
3.5												



REVISIONS	NAME	DATE

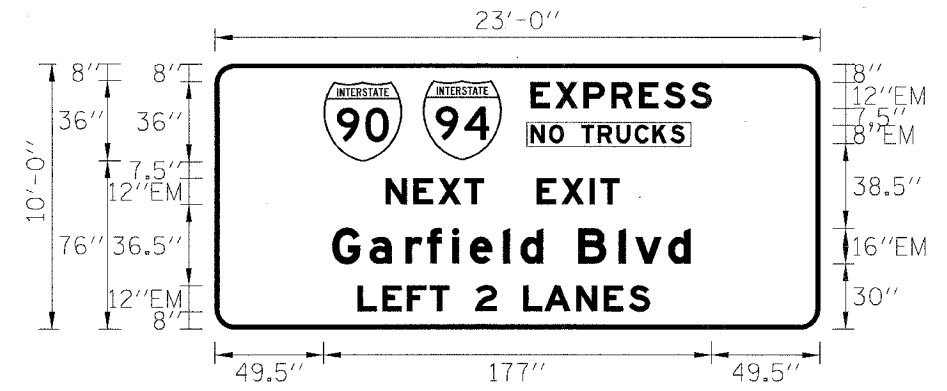
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
SIGN PANEL DETAILS

SCALE: NONE
DATE: 06/09/06
DRAWN BY: RV
CHECKED BY: AS

6/8/2006 12:25:17 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	260
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
62303 (2021-922 PT2 ETC 2324.6-1P) R-11				

SIGN DETAIL
1:100



SIGN NUMBER	MP53.07 LT
WIDTH x HGHT.	23'-0" x 10'-0"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

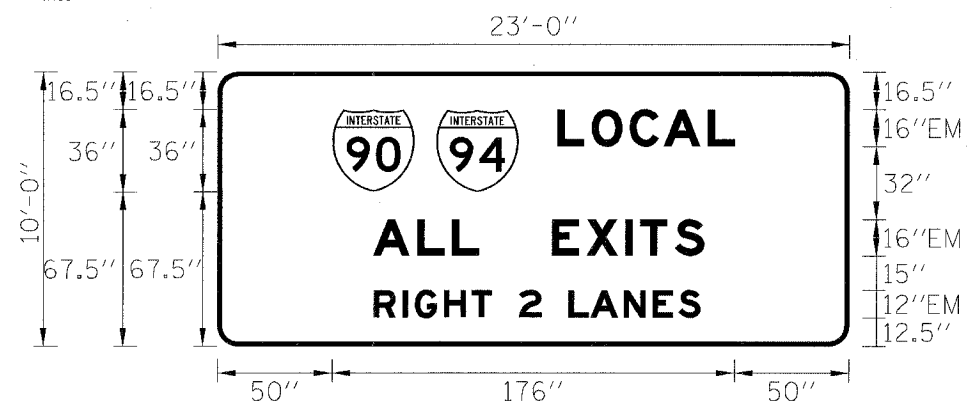
SYMBOL	X	Y	WID	HT
M1_1	49.5	76	36	36
M1_1	94.9	76.6	36	36

Panel Style: guide_exp_advance_b.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE		
E	X	P	R	E	S	S					82.5	EM12		
144	155.2	168.1	180.7	193.4	204.6	216.7								
N	O	T	R	U	C	K	S				70.2	EM8		
144	152.4	159	167	174.6	183	191.4	199.5	207.6						
N	E	X	T		E	X	I	T			106.5	EM12		
78	90.7	102	114	122.8	134.8	146.8	158.1	170.9	175.7					
G	a	r	f	i	e	l	d	B	l	v	d	163.4	EM16/12	
53.5	70.6	86.9	97	108.3	116.3	131.6	139.5	149.7	165.7	184.2	191.7	206.7		
L	E	F	T		2		L	A	N	E	S		133.2	EM12
65.2	76.5	87.7	98.2	107	119	128.6	140.6	150.2	164.7	177.3	188.6			

SIGN DETAIL
1:100



SIGN NUMBER	MP53.07 RT
WIDTH x HGHT.	23'-0" x 10'-0"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

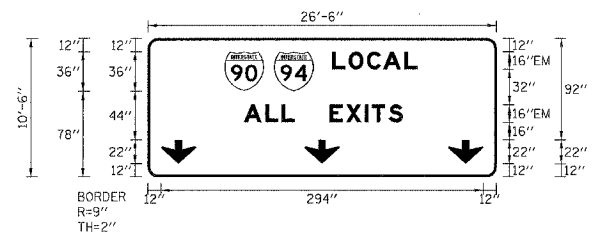
SYMBOL	X	Y	WID	HT
M1_1	50	67.5	36	36
M1_1	95.4	67.5	36	36

Panel Style: guide_exp_advance_b.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE		
L	O	C	A	L							77.6	EM16		
148.3	163.4	180	194.9	214.2										
A	L	L		E	X	I	T	S			144.8	EM16		
68	87.3	102.3	114	130	146	161.1	178.2	184.6	199.7					
R	I	G	H	T		2		L	A	N	E	S	143	EM12
68.2	80.8	86.2	98.9	111	119.8	131.7	141.3	153.3	163	177.5	190.1	201.4		

SIGN DETAIL
1:100



SIGN NUMBER	MP53.97
WIDTH x HGHT.	26'-6" x 10'-6"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

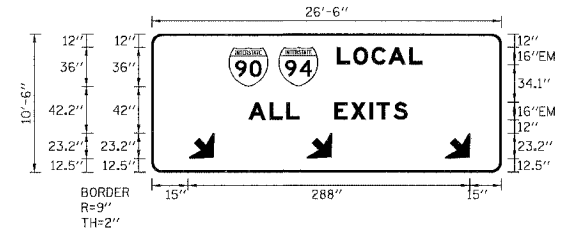
SYMBOL	X	Y	WID	HT
M1_1	70	78	36	36
M1_1	115.4	78	36	36
ARNDOWN	12	12	32	22
ARNDOWN	156	12	32	22
ARNDOWN	300	12	32	22

Panel Style: guide_exp_advance_b.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE
L	O	C	A	L							77.6	EM16
168.3	183.4	199.9	214.9	234.2								
A	L	L		E	X	I	T	S			144.8	EM16
87.9	107.2	122.3	134	150	166	181.1	198.2	204.6	219.7			

SIGN DETAIL
1:100



SIGN NUMBER	MP54.13
WIDTH x HGHT.	26'-6" x 10'-6"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	70	78	36	36
M1_1	115.4	78	36	36
ARNDOWN	15	12.5	32	22
ARNDOWN	159	12.5	32	22
ARNDOWN	303	12.6	32	22

Panel Style: guide_exp_advance_b.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE
L	O	C	A	L							77.6	EM16
168.3	183.4	199.9	214.9	234.2								
A	L	L		E	X	I	T	S			144.8	EM16
87.9	107.2	122.3	134	150	166	181.1	198.1	204.6	219.6			

NOTE:
ALL EXISTING SIGN PANELS ON VIERENDEL TRUSSES SHALL BE REPLACED WITH NEW SIGN PANELS. THE SIZE OF THE PROPOSED SIGN PANELS ARE BASED ON THE RECORD DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY THE SIZES OF THE EXISTING SIGN PANELSPRIOR TO SIGN FABRICATION.

REVISIONS	
NAME	DATE

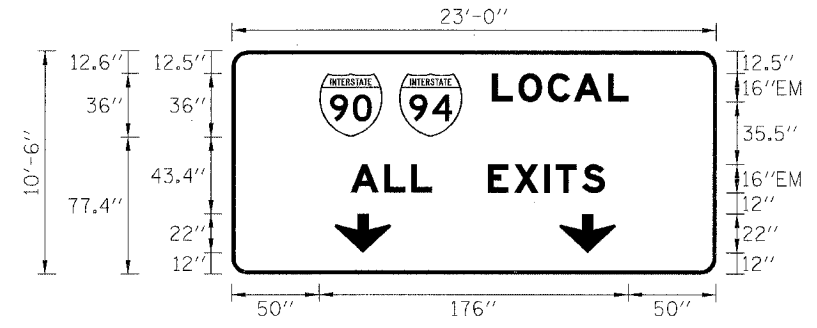
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
SIGN PANEL DETAILS

SCALE: NONE
DATE: 06/09/06
DRAWN BY: RV
CHECKED BY: AS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	588	261
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11				

NOTE:
ALL EXISTING SIGN PANELS ON VIERENDEL TRUSSES SHALL BE REPLACED WITH NEW SIGN PANELS. THE SIZE OF THE PROPOSED SIGN PANELS ARE BASED ON THE RECORD DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY THE SIZES OF THE EXISTING SIGN PANELSPRIOR TO SIGN FABRICATION.

SIGN DETAIL
1:100



SIGN NUMBER	MP54.25 and MP53.61
WIDTH x HIGHT.	23'-0" x 10'-6"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	50	77.4	36	36.1
M1_1	95.4	77.4	36	36
AR/DOWN	52	12	32	22
AR/DOWN	196	12	32	22

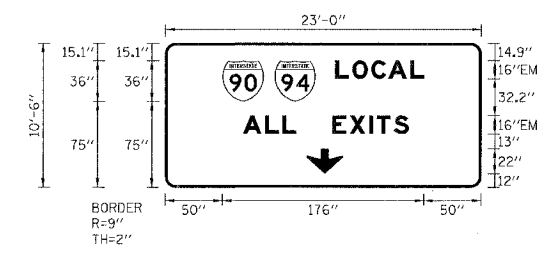
Panel Style: guide_exp_advance_b.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIES/SIZE
L	O	C	A	L							EM16
148.4	163.4	180	194.9	214.2						77.6	EM16
A	L	L		E	X	I	T	S			EM16
67.9	87.3	102.3	114	130	146	161.1	178.2	184.7	199.7	144.8	

NOTE:
ALL EXISTING SIGN PANELS ON VIERENDEL TRUSSES SHALL BE REPLACED WITH NEW SIGN PANELS. THE SIZE OF THE PROPOSED SIGN PANELS ARE BASED ON THE RECORD DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY THE SIZES OF THE EXISTING SIGN PANELSPRIOR TO SIGN FABRICATION.

SIGN DETAIL
1:100



SIGN NUMBER	MP54.53
WIDTH x HIGHT.	23'-0" x 10'-6"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	50	75	36	36
M1_1	95.4	75	36	36
AR/DOWN	123.5	12	32	22

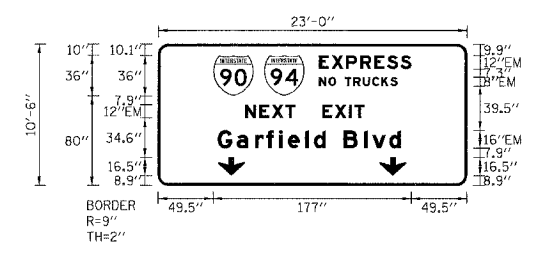
Panel Style: guide_exp_advance_b.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIES/SIZE
L	O	C	A	L							EM16
148.4	163.4	180	194.9	214.3						77.6	EM16
A	L	L		E	X	I	T	S			EM16
68	87.3	102.3	114.1	130.1	146.1	161.1	178.2	184.7	199.7	144.8	

SIGN DETAIL
1:100

NOTE:
ALL EXISTING SIGN PANELS ON VIERENDEL TRUSSES SHALL BE REPLACED WITH NEW SIGN PANELS. THE SIZE OF THE PROPOSED SIGN PANELS ARE BASED ON THE RECORD DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY THE SIZES OF THE EXISTING SIGN PANELSPRIOR TO SIGN FABRICATION.



SIGN NUMBER	MP54.13,54.25,54.53,53.97,53.61
WIDTH x HIGHT.	23'-0" x 10'-6"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White

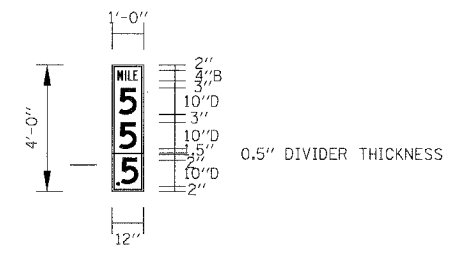
SYMBOL	X	Y	WID	HT
M1_1	49.5	79.9	36	36
M1_1	94.9	80	36	36
AR/DOWN	53.7	8.9	24	16.5
AR/DOWN	198	8.9	24	16.5

Panel Style: guide_exp_advance_b.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIES/SIZE			
E	X	P	R	E	S	S					EM12			
144	155.2	168.1	180.7	193.4	204.6	216.7				82.5	EM8			
N	O		T	R	U	C	K	S			EM8			
144	152.4	159	167	174.6	183	191.4	199.5	207.6		70.2	EM12			
N	E	X	T		E	X	I	T			EM12			
78	90.7	102	114	122.8	134.8	146.8	158.1	170.9	175.7	106.5	EM16/12			
G	a	r	f	i	e	l	d	B	l	v	d		EM16/12	
53.6	70.6	86.9	97	108.3	116.3	131.6	139.5	149.7	165.7	184.2	191.7	206.7	163.4	

SIGN DETAIL
1:100



SIGN NUMBER	PS06-05
WIDTH x HIGHT.	1'-0" x 4'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Barrier
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White

SYMBOL	X	Y	WID	HT

Panel Style: guide_exp_distance.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIES/SIZE
M	I	L	E								B4
2.1	4.8	6	8.1							7.5	D10
5										6.8	D10
2.6										6.8	D10
5										1.5	D10
2.9										6.8	D10
1.6										1.5	D10
5										6.8	D10
3.5										6.8	D10

REVISIONS	NAME	DATE

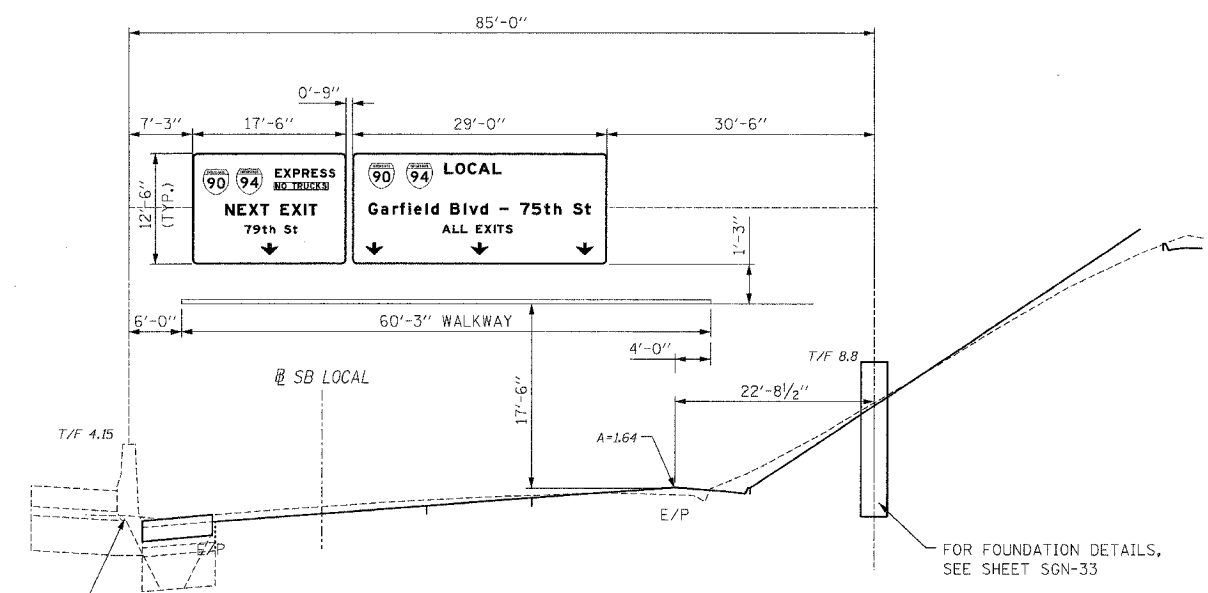
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
SIGN PANEL DETAILS

SCALE: NONE
DATE: 06/09/06
DRAWN BY: RV
CHECKED BY: AS



7/16/06 09:24:19 AM 12:55:56 PM 6/8/2006

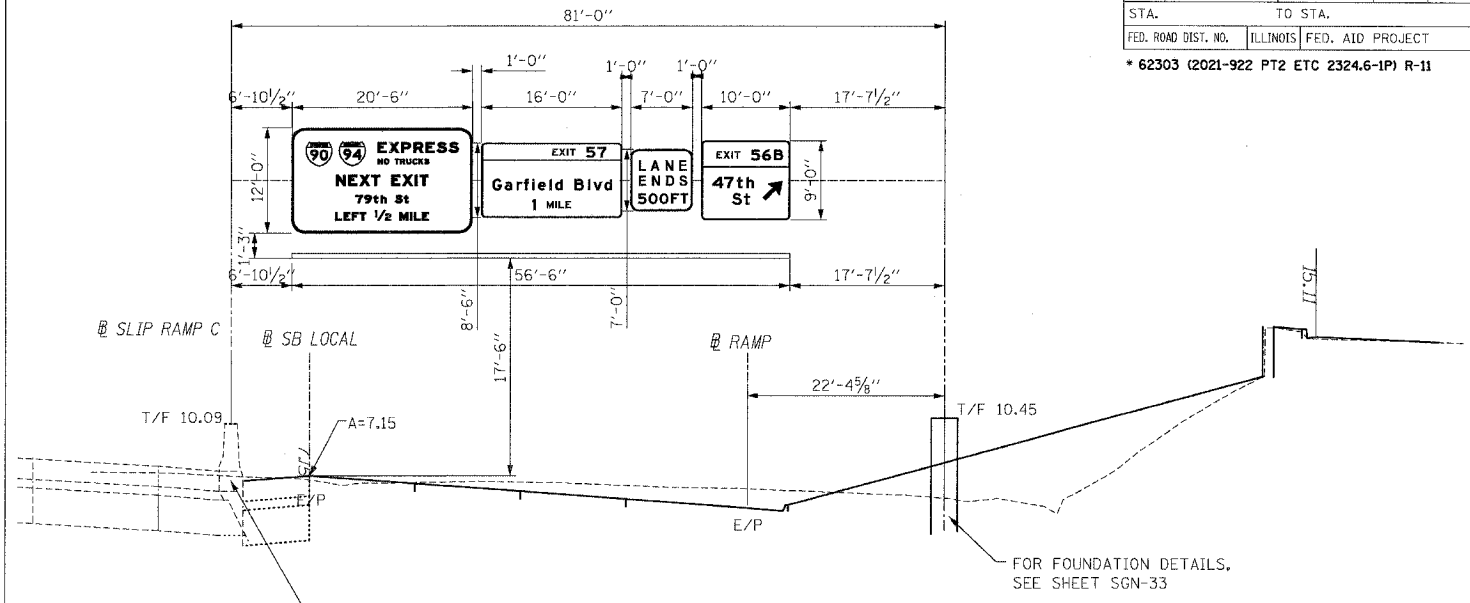
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	262
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11				



USE EXISTING FOUNDATION BUILT IN CONTRACT 62302

LOCAL LANES SOUTH BOUND
 1S016I094R056.67
 STA. 3532+00±

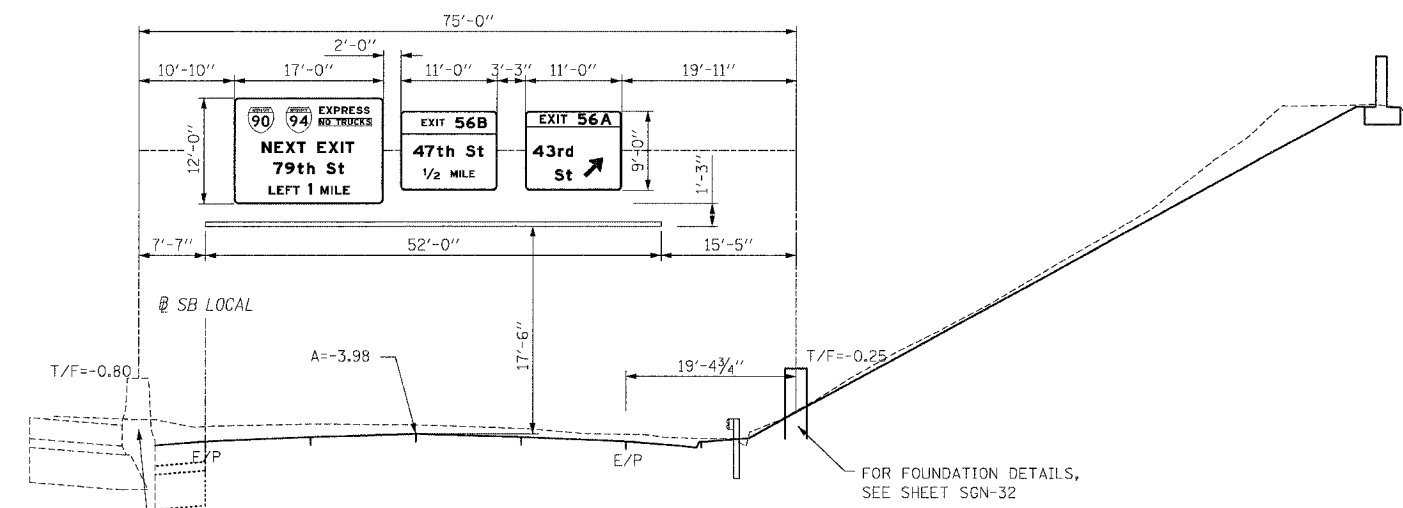
FOR FOUNDATION DETAILS, SEE SHEET SGN-33



USE EXISTING FOUNDATION BUILT IN CONTRACT 62302

LOCAL LANES SOUTH BOUND
 1S016I094R056.47
 STA. 3543+00±

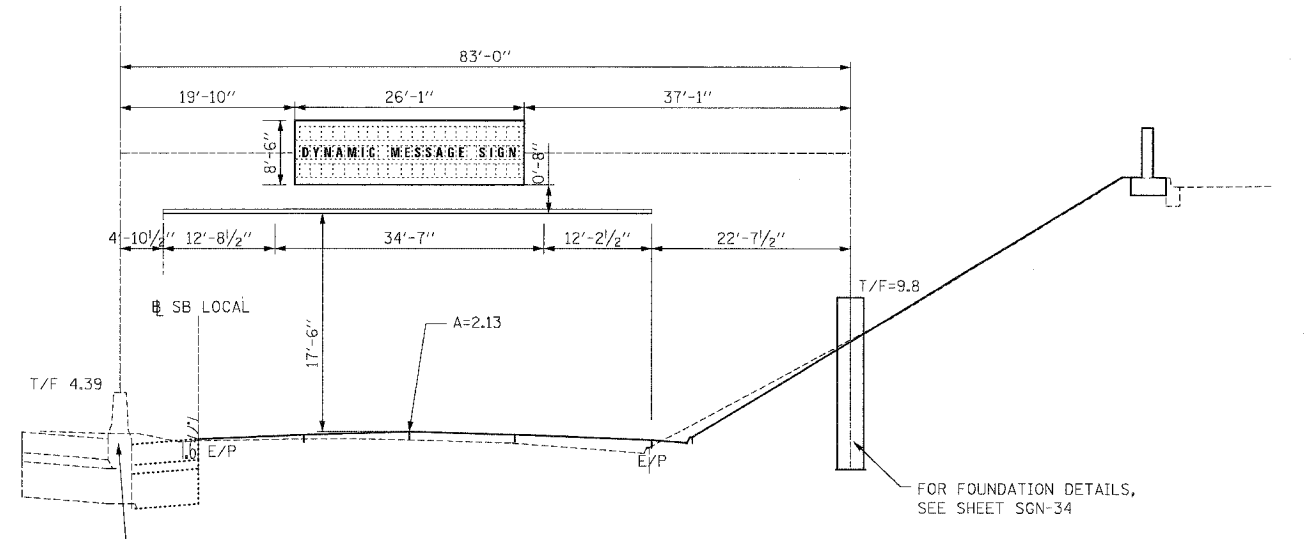
FOR FOUNDATION DETAILS, SEE SHEET SGN-33



USE EXISTING FOUNDATION BUILT IN CONTRACT 62302

LOCAL LANES SOUTH BOUND
 1S016I094R056.02
 STA. 3566+30±

FOR FOUNDATION DETAILS, SEE SHEET SGN-32

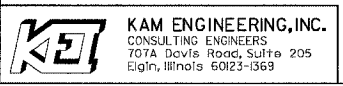


USE EXISTING FOUNDATION BUILT IN CONTRACT 62302

LOCAL LANES SOUTH BOUND
 1S016I094R055.64
 STA. 3586+50±

FOR FOUNDATION DETAILS, SEE SHEET SGN-34

SGN-12



REVISIONS	
NAME	DATE

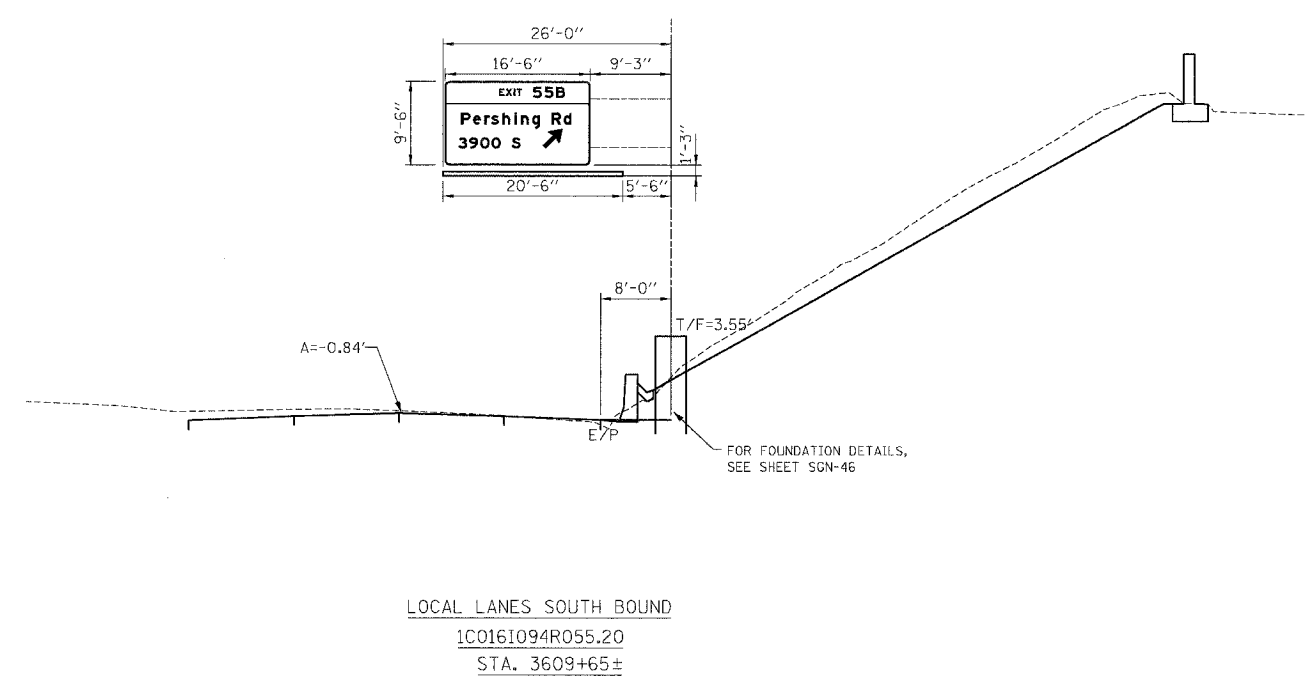
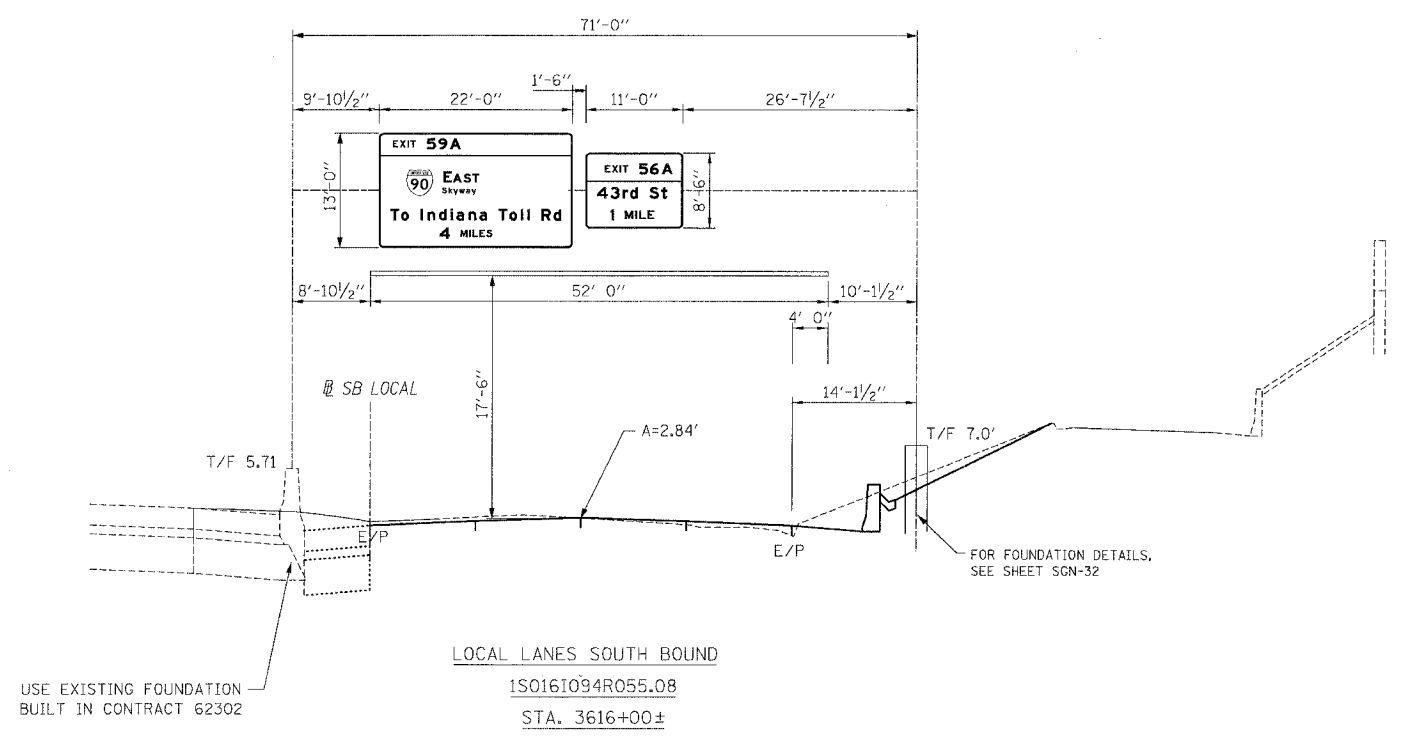
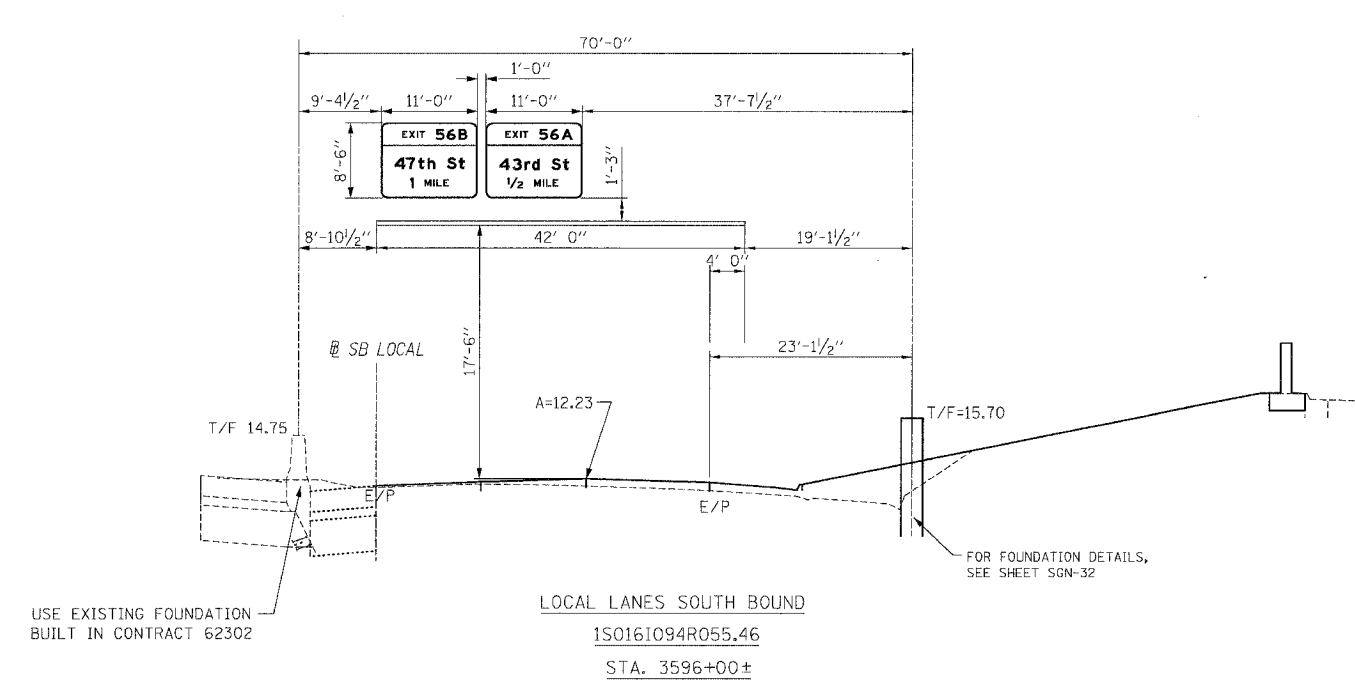
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 GARFIELD BLVD TO 31ST (SB LOCAL LANES)
 SIGN PLACEMENT DETAILS

SCALE: NONE
 DATE: 06/09/06
 DRAWN BY: RV
 CHECKED BY: MSA

12/25/08 PM 6/8/2006

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	588	263
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11



KAM ENGINEERING, INC.
CONSULTING ENGINEERS
707A Davis Road, Suite 205
Elgin, Illinois 60123-1369

REVISIONS	
NAME	DATE

SGN-13

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
SIGN PLACEMENT DETAILS

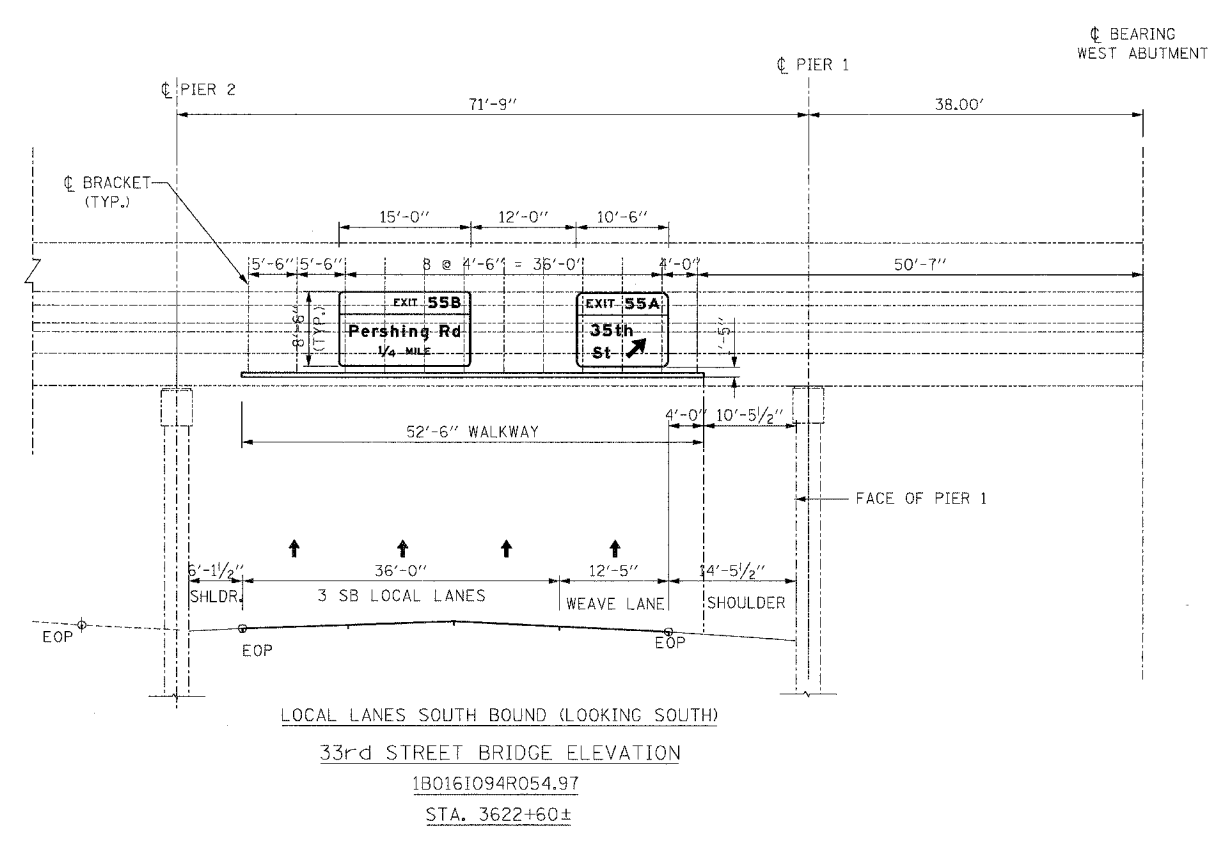
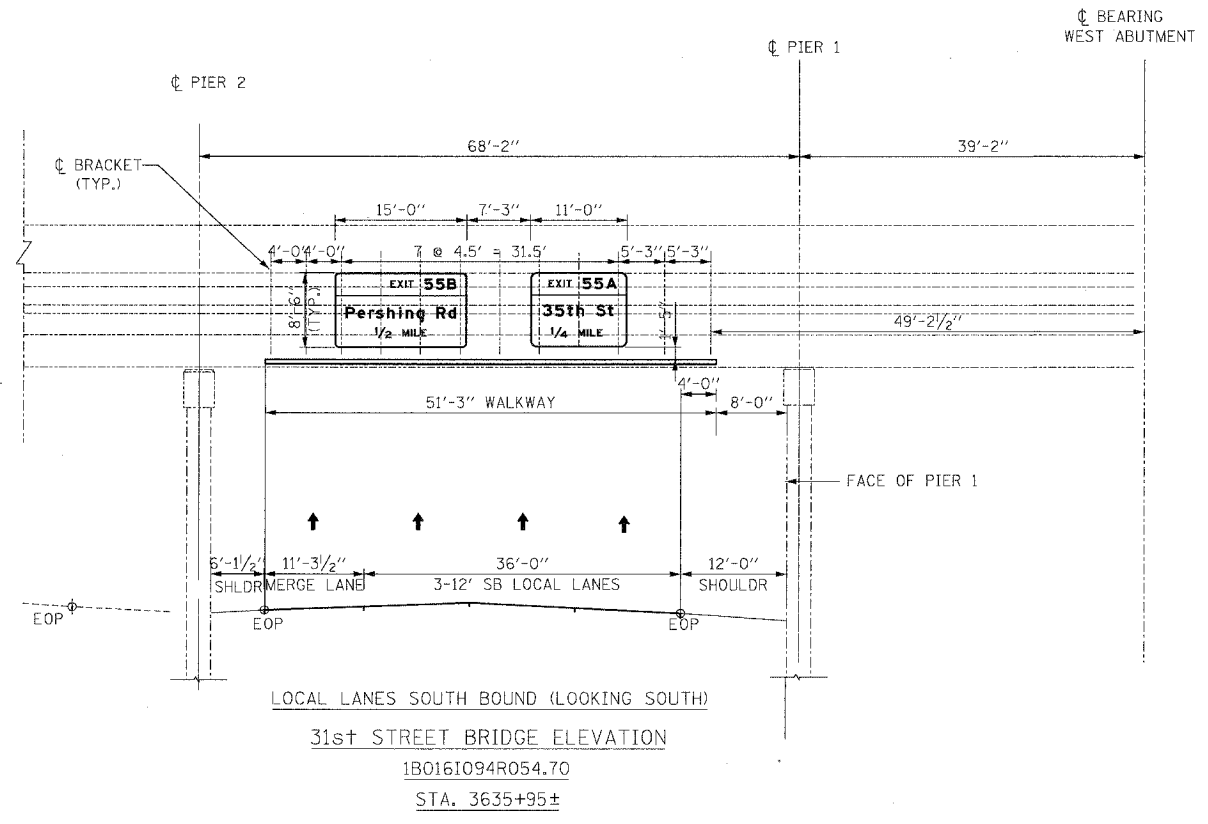
SCALE: NONE
DATE: 06/09/06

DRAWN BY: MD
CHECKED BY: MSA

12/25/09 PM 6/8/2006

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	•	COOK	588	264
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11



REVISIONS	NAME	DATE

SGN-14
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
SIGN PLACEMENT DETAILS
SCALE: NONE
DATE: 06/09/06
DRAWN BY: MD
CHECKED BY: MSA

K&E
KAM ENGINEERING, INC.
CONSULTING ENGINEERS
707A Davis Road, Suite 205
Elgin, Illinois 60123-1369

6/8/2006 12:23:00 PM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	265
FED. ROAD DIST. NO. 1		BILLINGS	FED. AID PROJECT-	

* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11

GENERAL NOTES

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. *AASHTO Specifications**

CONSTRUCTION: Current *at time of letting* Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. *Standard Specifications**

LOADING: 90 M.P.H. WIND VELOCITY

WIND LOADING: 30 p.s.f. normal to Sign Panel Area and truss elements not behind sign Loading Diagram.

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

DESIGN STRESSES:
Field Units
F_c = 3,500 p.s.i.
F_y = 60,000 p.s.i. *reinforcement*

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes *Steel and Aluminum* and the Standard Specifications.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B with a minimum yield of 35,000 p.s.i., or A500 Grade B or C with a minimum yield of 46,000 p.s.i. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53.

All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W*. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer. The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch *CVN* energy of 15 lb.-ft. at 40* F. *Zone 2* before galvanizing.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO M164 *ASTM A325*, or approved alternate, and must have matching lock nuts. Threaded studs for splices *if Members interfere* must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 *f* *2*d of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity *"ROCAP"* testing of bolts will not be required.

U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Eyebolt lock nut.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: Shall conform to AASHTO M314 Gr. 36 or 55 with a minimum Charpy V-Notch *CVN* energy of 15 lb.-ft. at 40* F.

CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Bridge Seat Sealer in accordance with the Standard Specifications.

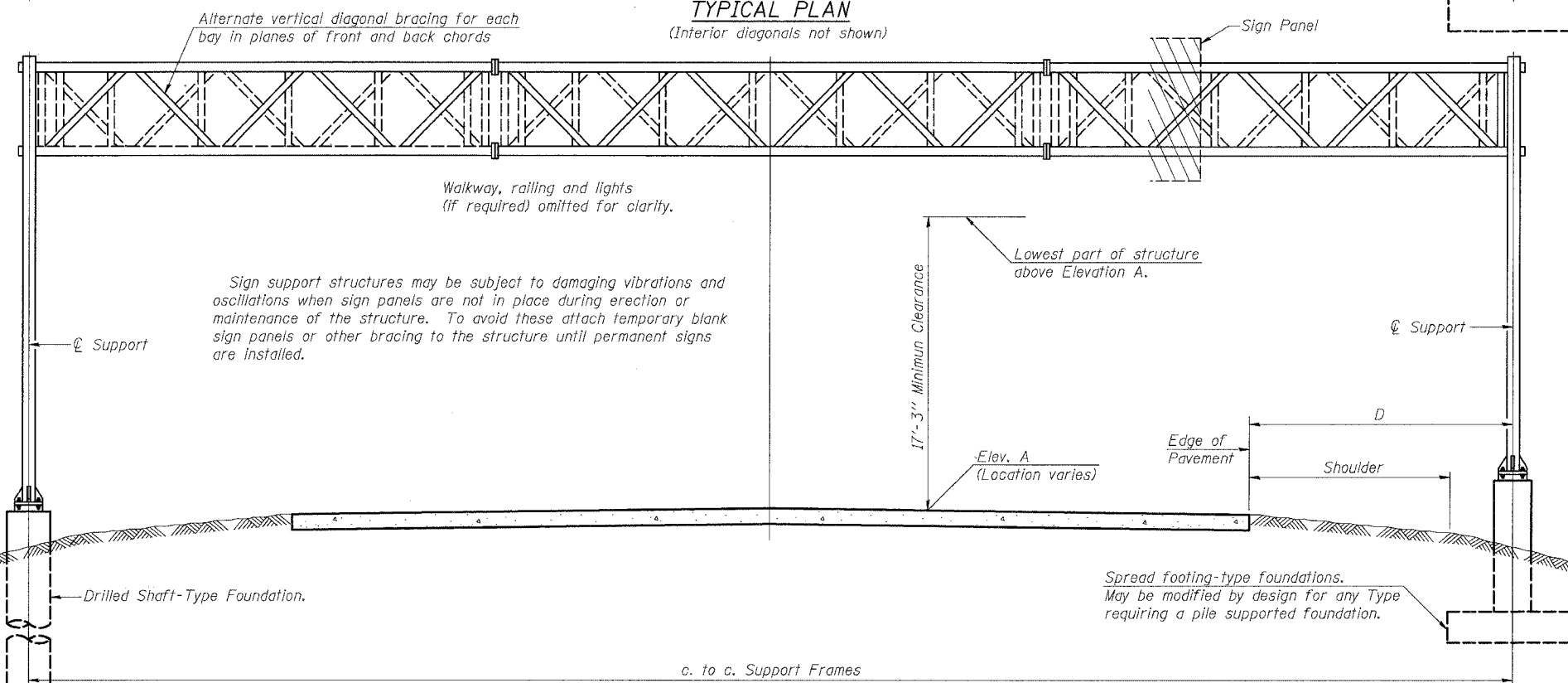
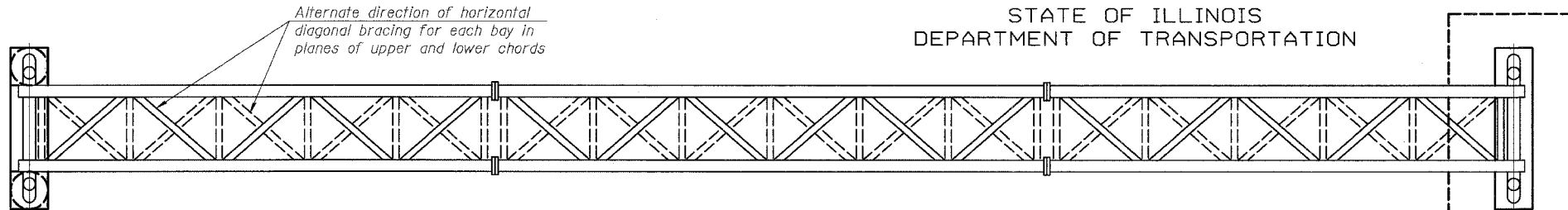
REINFORCEMENT BARS: Reinforcement Bars designated *E* shall be epoxy coated in accordance with the Standard Specifications.

* If M270 Gr. 50W *M222* steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.

SGN-15

OVERHEAD SIGN STRUCTURES
GENERAL PLAN & ELEVATION
ALUMINUM TRUSS & STEEL SUPPORTS

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
OVERHEAD SIGN STRUCTURES
(SPAN)

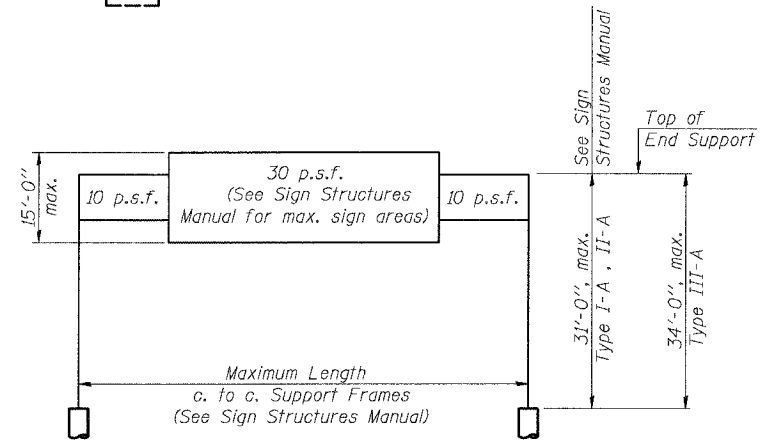


TYPICAL ELEVATION
(Looking at Face of Signs**)

Elev. A = Elevation at point of minimum clearance to sign, walkway support or truss.

Structure Number	Station	Design Truss Type	c. to c. Supports	Elev. A	Dim. D	Height of Tallest Sign	Total Sign Area
ISO16I094R057.1	3511+00.00	II-A	90'	6.74'	18.83'L/21.34'R	12.5'	390.5 SF
ISO16I094R057.4	3493+30.00	I-A	66'	7.18'	6.28'L/21.72'R	8.5'	220.0 SF
ISO16I094R056.8	3524+00.00	II-A	83'	1.09'	11.71'L/21.29'R	12.5'	612.5 SF
ISO16I094R057.8	3475+92.44	III-A	49.5'	-0.29'	5.18'L/6.32'R	8.5'	221.7 SF
ISO16I094R056.67	3532+00	I-A	85.00'	1.64'	22.71'	12.5'	581.3 SF
ISO16I094R056.47	3543+00	I-A	81.00'	7.15'	22.39'	12.0'	521 SF
ISO16I094R056.02	3566+30	I-A	75.00'	-3.98'	19.40'	12.0'	402 SF
ISO16I094R055.64	3586+50	III-A	83.00'	2.13'	22.63'	8.5'	222 SF
ISO16I094R055.46	3596+00	I-A	70.00'	12.23'	23.13'	8.5'	187 SF
ISO16I094R055.08	3616+00	I-A	71.00'	2.84'	14.13'	13.0'	379.5 SF

**Looking upstation for structures with signs both sides.



DESIGN WIND LOADING DIAGRAM

Parameters shown are basis for I.D.O.T. Standards and Sign Manual Tables. Installations not within dimensional limits shown require special analysis for all components.

DESIGNED	MSA	20
CHECKED	AS	EXAMINED
DRAWN	RV	PASSED
CHECKED	MSA	

OS-A-1 1-7-05

TOTAL BILL OF MATERIAL

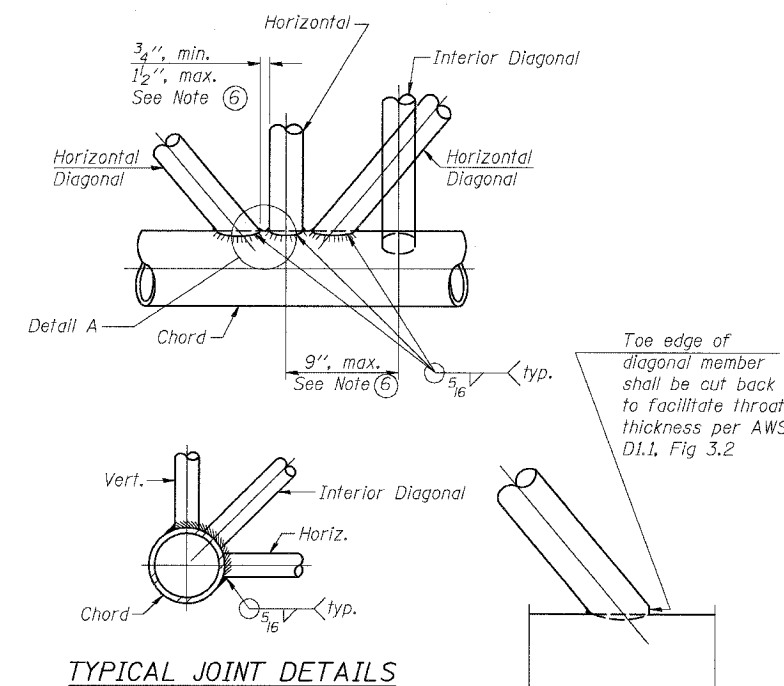
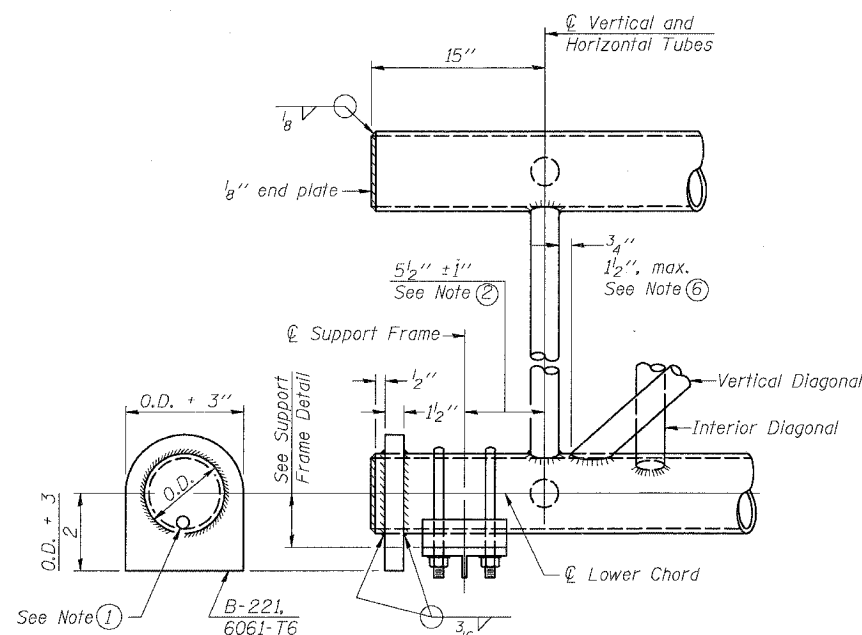
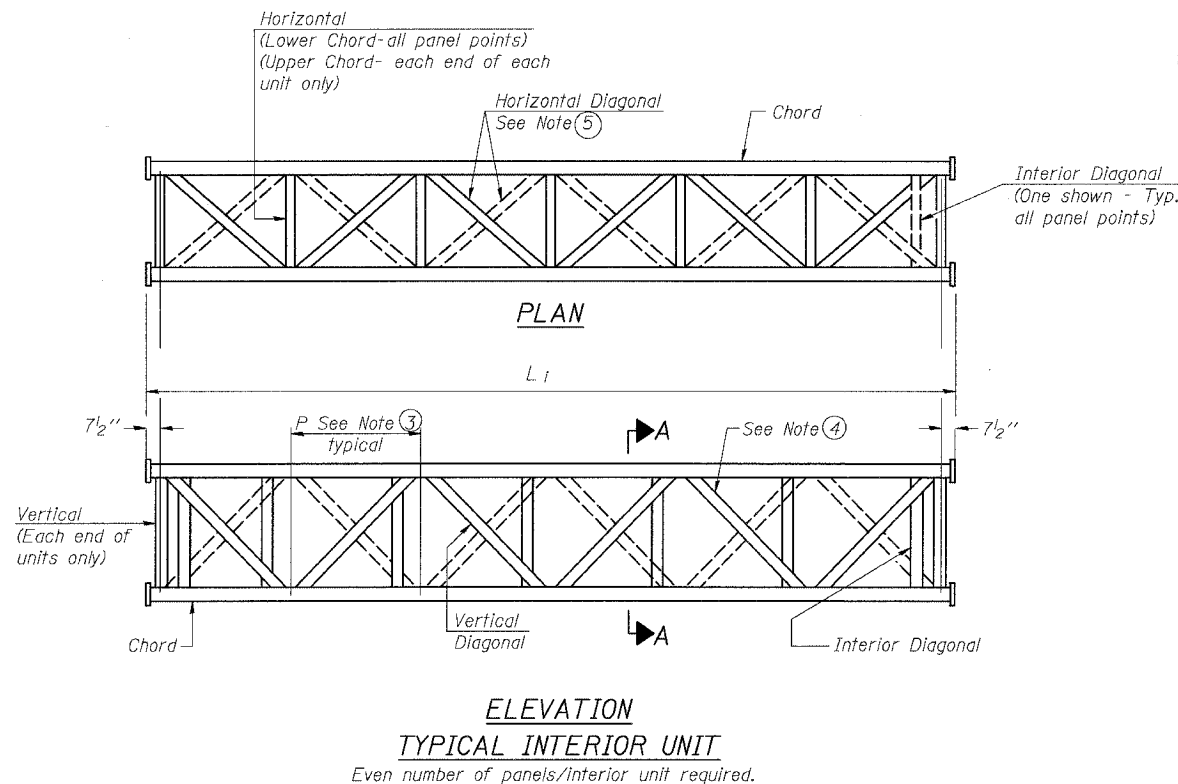
ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE TYPE I-A (4'-0" x 4'-6")	Foot	448
OVERHEAD SIGN STRUCTURE TYPE II-A (4'-6" x 5'-3")	Foot	173
OVERHEAD SIGN STRUCTURE TYPE III-A (5'-0" x 7'-0")	Foot	132.5
OVERHEAD SIGN STRUCTURE WALKWAY TYPE A	Foot	511.1'
CONCRETE FOUNDATIONS	Cu. Yds.	-
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	132.8

NUMBER	REVISION	DATE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

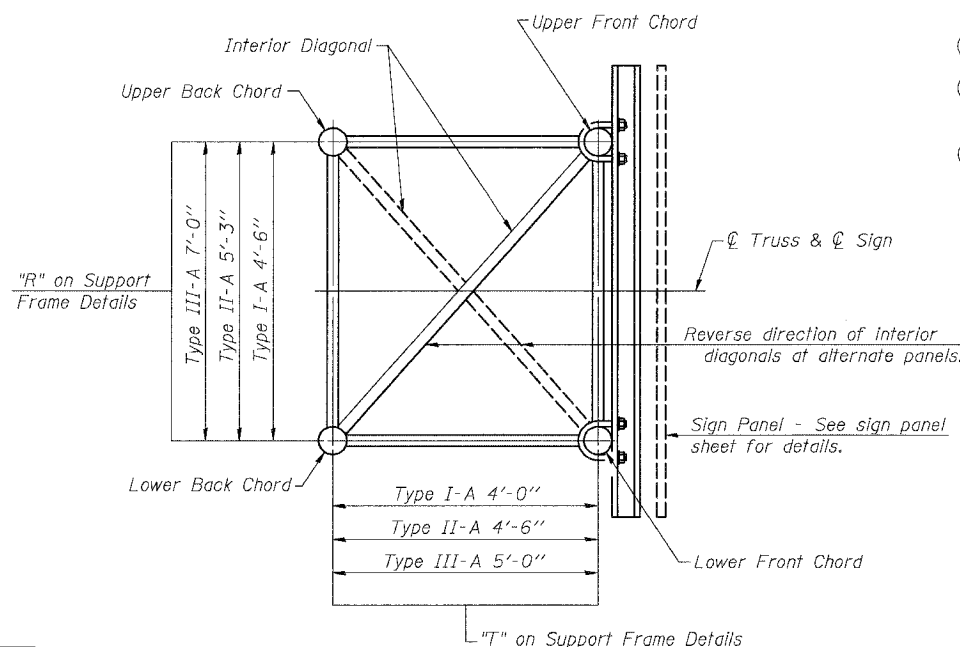
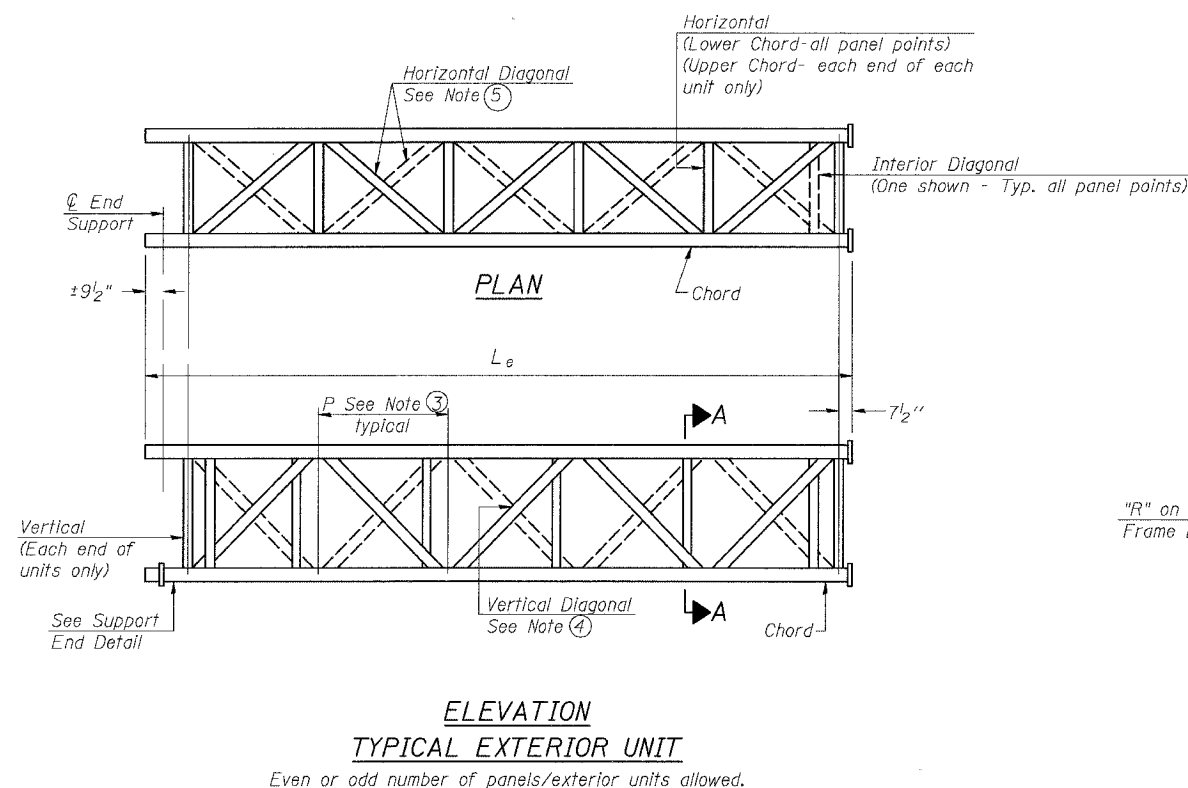
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	266
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT-	

* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11



NOTES

- Contractor may alternatively use standard aluminum drive-fit cap to close end. 1/2" * drain hole in end plate * drive-fit cap. *Typ. at ends of all chords*
- 5 1/2" end dimension may vary by *1" to provide uniform panel spacing *P*.
- Panel spacing *P* shall be uniform for entire truss and between 4'-0" and 5'-0" for Type I-A or 4'-0" and 5'-6" for Types II-A and III-A.
- Vertical Diagonals in front and back face shall alternate.
- Hidden lines show wind bracing alternates direction between planes of top and bottom chords.
- All diagonals shall be detailed for minimum offset from the panel point based on the following: Offset shall be such as to provide a 3/4" minimum to 1 1/2" maximum clearance between any diagonal and any horizontal or vertical member, and to provide clearance for U-bolt connections of signs or walkway brackets.



DESIGNED	MSA
CHECKED	AS
DRAWN	RV
CHECKED	MSA

EXAMINED	20
PASSED	

ENGINEER OF STRUCTURAL SERVICES
ENGINEER OF BRIDGES AND STRUCTURES

NUMBER	REVISION	DATE

OS-A-2

1-7-05

SGN-16

OVERHEAD SIGN STRUCTURES
ALUMINUM TRUSS DETAILS
FOR TRUSS TYPES I-A, II-A and III-A
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
OVERHEAD SIGN STRUCTURES
(SPAN)

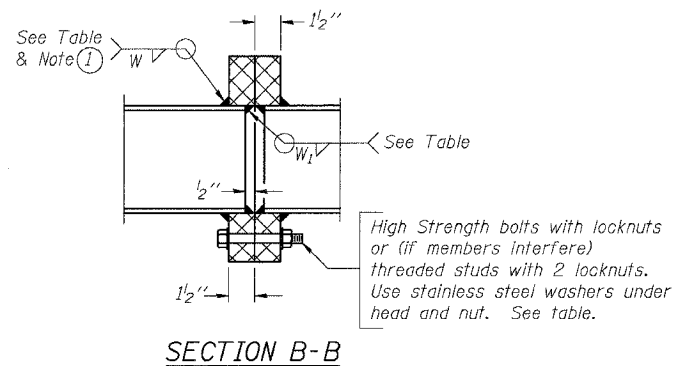
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
94/90	*	COOK	588	267
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

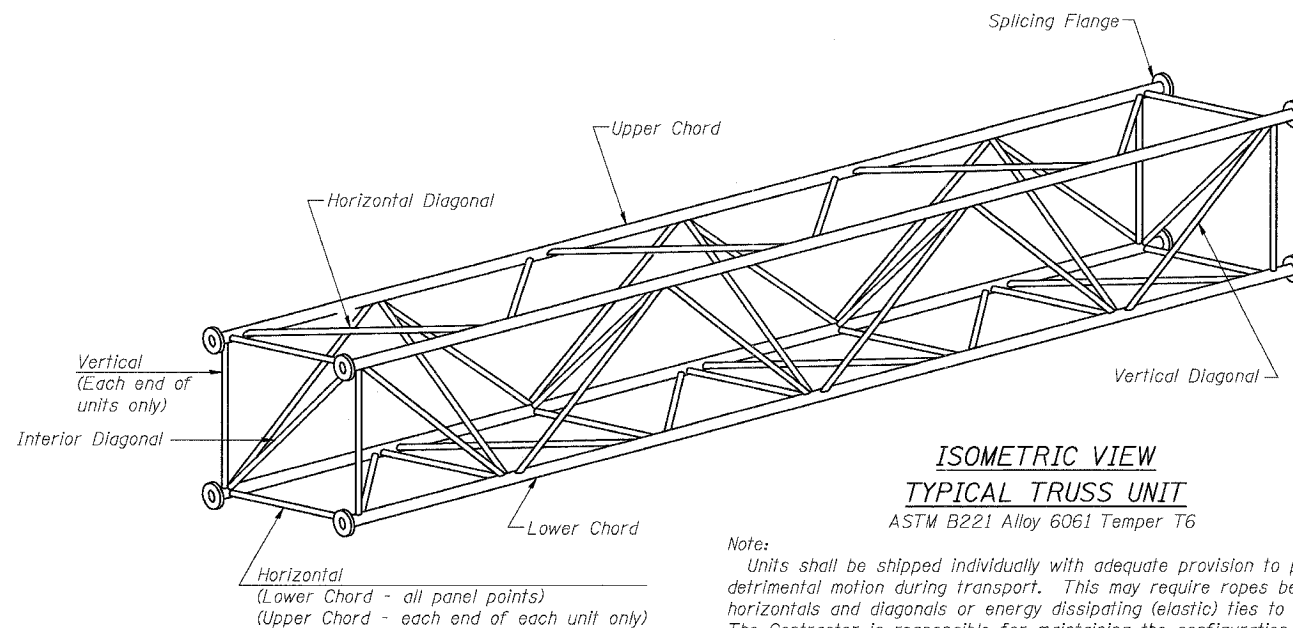
* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11

TRUSS UNIT TABLE

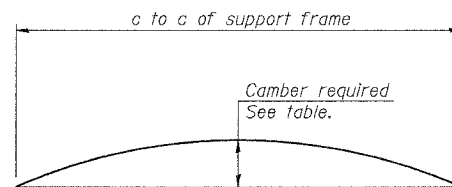
Structure Number	Station	Design Truss Type	Exterior Units (2)			Interior Unit				Upper & Lower Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals		Camber at Midspan	Splicing Flange					
			No. Panels per Unit	Unit Lgth.(L _e)	Panel Lgth.(P)	No. Req'd.	No. Panels per Unit	Unit Lgth.(L _i)	Panel Lgth.(P)	O.D.	Wall	O.D.	Wall		Bolts		Weld Sizes		A	B
															No./Splice	Dia.	W	W _i		
ISO161094R057.1	3511+00.00	II-A	5	28'-11 1/2"	5'-5"	1	6	33'-9"	5'-5"	6"	5/16"	3"	5/16"	2.5"	6	7/8"	3/8"	1/4"	10 1/4"	13 3/4"
ISO161094R057.4	3493+30.00	I-A	7	33'-9 3/4"	4'-6 3/4"	0	--	--	--	4 1/2"	1/4"	2 1/2"	1/4"	1.6"	6	3/4"	1/4"	3/16"	8 1/4"	11 1/4"
ISO161094R056.8	3524+00.00	II-A	5	26'-9 1/4"	4'-11 3/4"	1	6	31'-1 1/2"	4'-11 3/4"	5 1/2"	5/16"	3"	5/16"	2.1"	6	7/8"	3/8"	1/4"	9 1/4"	12 1/4"
ISO161094R057.8	3475+92.44	III-A	5	25'-7 1/2"	4'-9"	0	--	--	--	7"	5/16"	3 1/4"	5/16"	1.0"	6	1"	7/16"	5/16"	11 1/2"	15"
ISO161094R056.67	3532+00	I-A	6	29'-1 1/2"	4'-6 1/2"	1	6	28'-6"	4'-6 1/2"	5"	5/16"	2 1/2"	5/16"	2.50"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"
ISO161094R056.47	3543+00	I-A	5	26'-1 3/4"	4'-10 1/4"	1	6	30'-4 1/2"	4'-10 1/4"	5"	5/16"	2 1/2"	5/16"	2.30"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"
ISO161094R056.02	3566+30	I-A	8	38'-2 1/2"	4'-6 1/2"	--	--	--	--	5"	5/16"	2 1/2"	5/16"	2.00"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"
ISO161094R055.64	3586+50	III-A	5	26'-9 1/4"	4'-11 3/4"	1	6	31'-1 1/2"	4'-11 3/4"	7"	5/16"	3 1/4"	5/16"	2.40"	6	1"	7/16"	5/16"	11 1/2"	15"
ISO161094R055.46	3596+00	I-A	7	35'-8 1/2"	4'-10"	--	--	--	--	5"	1/4"	2 1/2"	1/4"	1.75"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"
ISO161094R055.08	3616+00	I-A	7	36'-3 1/2"	4'-11"	--	--	--	--	5"	5/16"	2 1/2"	5/16"	1.80"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"



① Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining welds are made after disassembly. Adjacent flanges shall be "match marked" to insure proper field assembly.



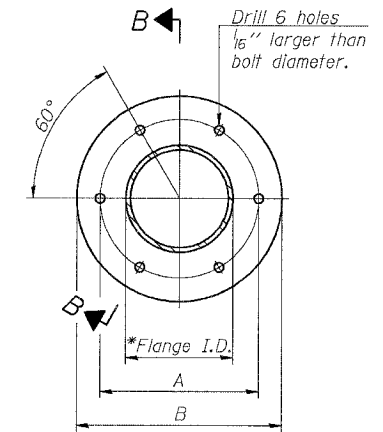
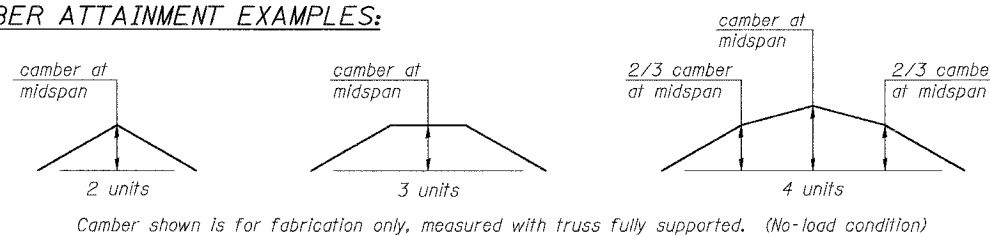
Note:
Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection of the units.



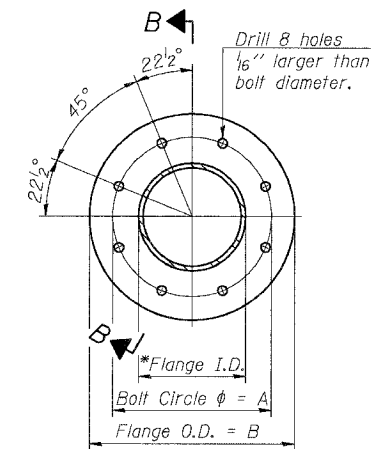
CAMBER DIAGRAM

Camber curve shown is theoretical. Actual camber attained by slope changes at splices between units.

CAMBER ATTAINMENT EXAMPLES:



TRUSS TYPES I-A, II-A, & III-A



TRUSS TYPES II-A & III-A

SPLICING FLANGES

ASTM B221, Alloy 6061-T6
or ASTM B209, Alloy 6061-T651

*To fit O.D. of Chord with maximum gap of 1/16".

NUMBER	REVISION	DATE

DESIGNED	MSA	20
CHECKED	AS	EXAMINED
DRAWN	RV	PASSED
CHECKED	MSA	ENGINEER OF BRIDGES AND STRUCTURES

OS4-A-2

1-7-05

SGN-17

OVERHEAD SIGN STRUCTURES
ALUMINUM TRUSS DETAILS
FOR TRUSS TYPES I-A, II-A and III-A

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)

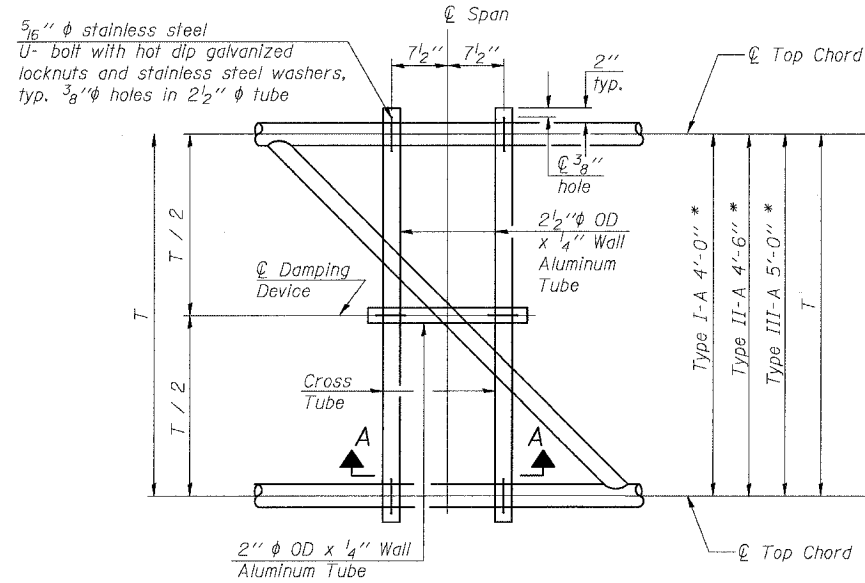
OVERHEAD SIGN STRUCTURES
(SPAN)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

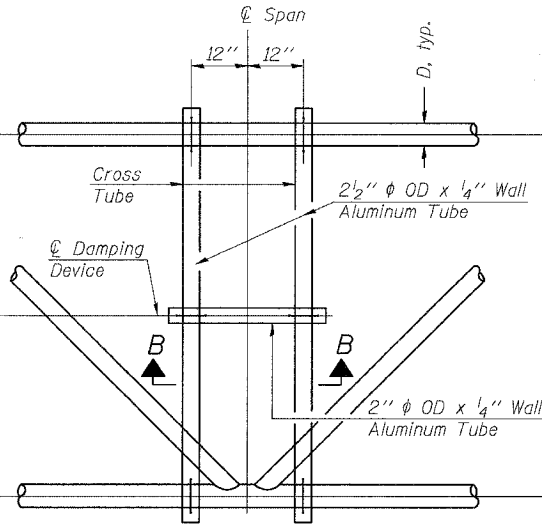
* Center of horizontal to center of splice dimension may vary. Verify before drilling holes in mounting tube.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
94/90	*	COOK	588	268

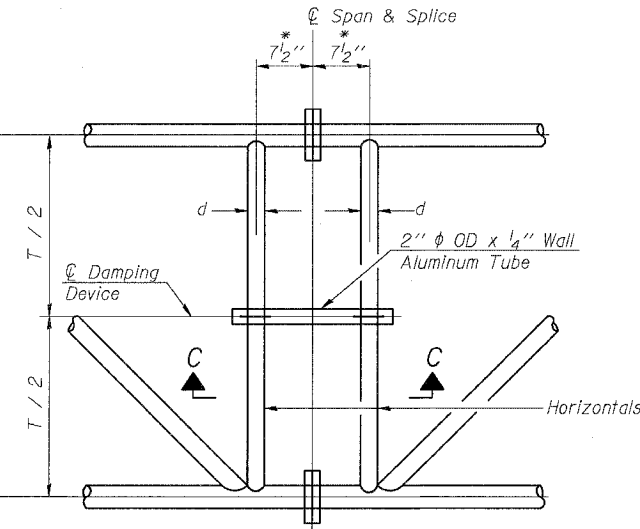
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT-
* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11



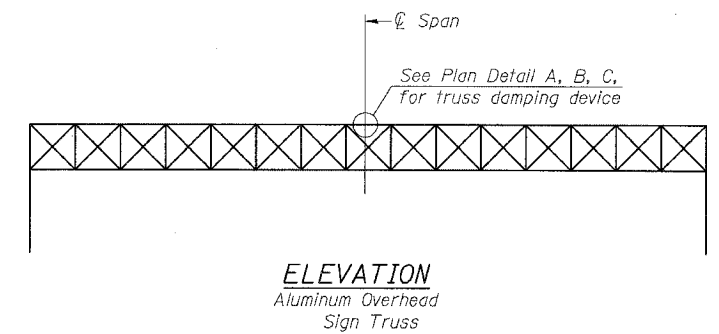
PLAN DETAIL "A"
Span between Panel Points



PLAN DETAIL "B"
Span at Panel Point



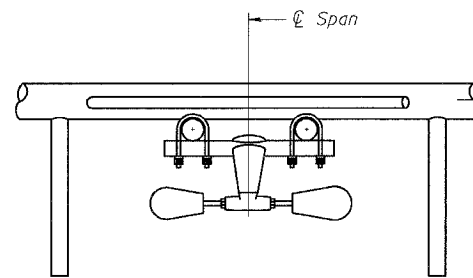
PLAN DETAIL "C"
Span at Chord Splice



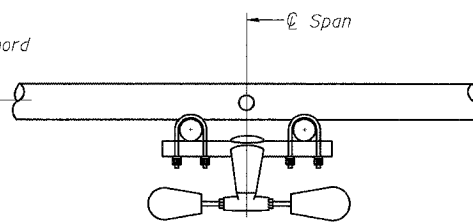
ELEVATION
Aluminum Overhead Sign Truss

NOTES
Damper: One damper per truss.
31 lbs. Stockbridge-Type Aluminum
Cost Included in Overhead Sign Structure...

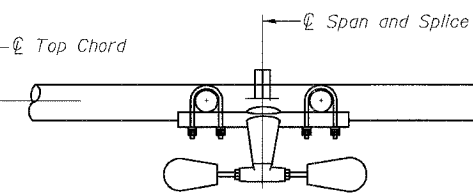
Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6. Cost Included in Overhead Sign Structure...



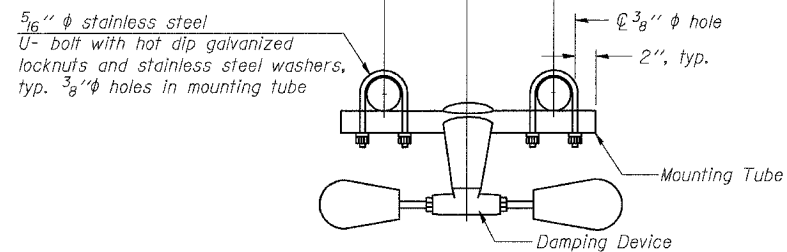
SECTION A-A



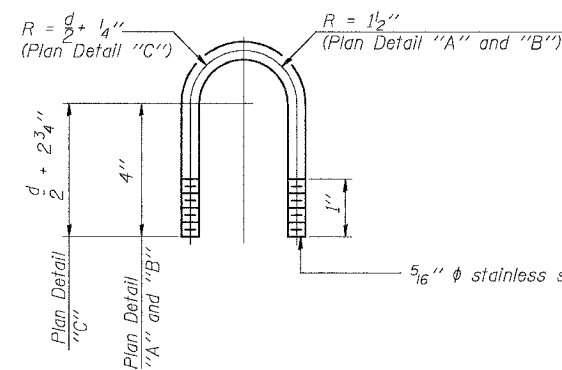
SECTION B-B



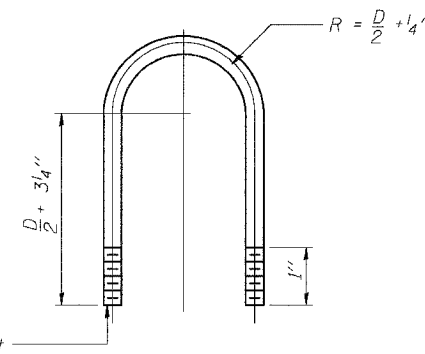
SECTION C-C



TRUSS DAMPING DEVICE CONNECTION DETAIL
(Typical)



DAMPING DEVICE MOUNTING TUBE U-BOLT DETAIL
(Typical)



TOP CHORD TO CROSS TUBE U-BOLT DETAIL
(Typical - Detail "A" and "B")

DESIGNED	MSA
CHECKED	AS
DRAWN	RV
CHECKED	MSA

EXAMINED	20
PASSED	ENGINEER OF STRUCTURAL SERVICES
	ENGINEER OF BRIDGES AND STRUCTURES

OS-A-D

1-7-05

SGN-18

OVERHEAD SIGN STRUCTURE DAMPING DEVICE

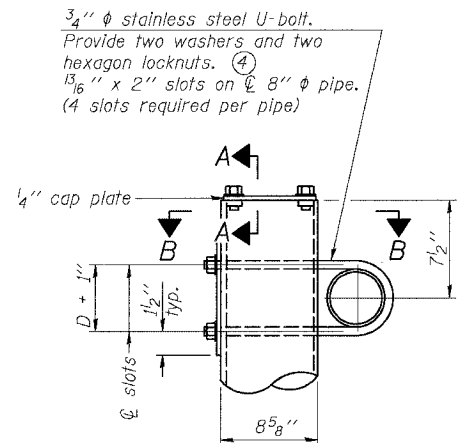
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)

OVERHEAD SIGN STRUCTURES (SPAN)

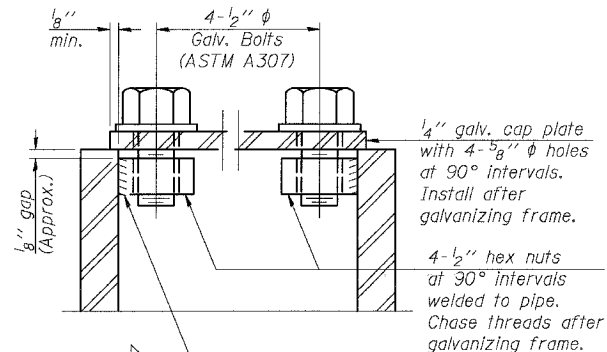
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	269
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11

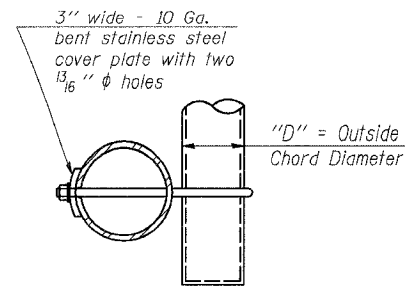


DETAIL A

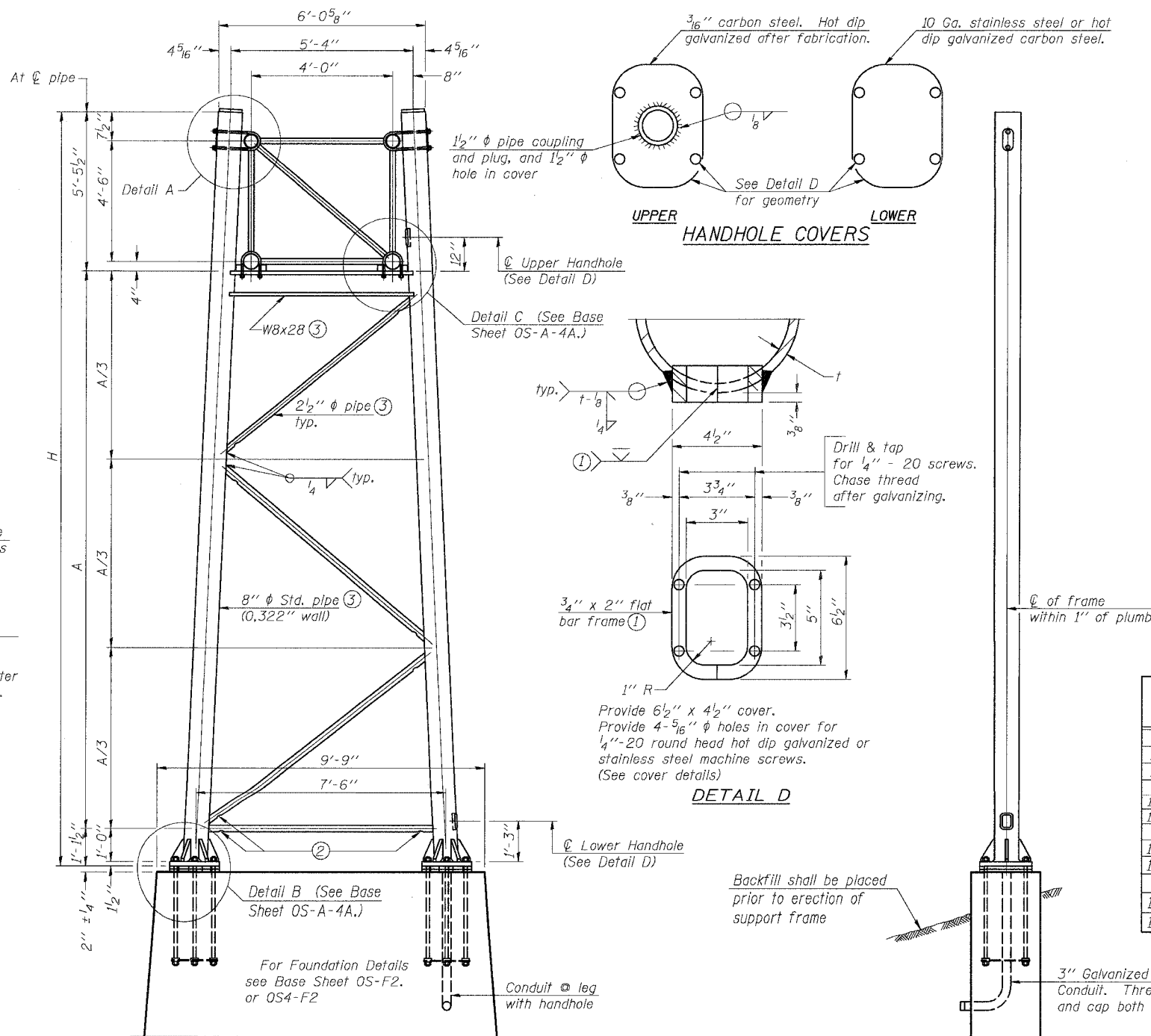


SECTION A-A

As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.



SECTION B-B



SIDE ELEVATION

END ELEVATION

8" ϕ PIPE TRUSS SUPPORT FRAME

Support Design Loads: See Base Sheet OS-A-1 for design and loading criteria.
Load combinations checked include deadload plus:
a) 100% wind normal to sign, 20% parallel to sign
b) 60% wind normal to sign, 30% parallel to sign

- In lieu of fabricated handhole frame as shown, may cut from 2" plate *rolling direction vertical*. All cut faces to be ground to ANSI Roughness of 500 Min or less.
- Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.
- Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1.
- See General Notes for fasteners.
- Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.

Structure Number	Station	Support		H	A
		Left	Right		
ISO161094R057.4	3493+30	X		22.59'	16.01'
ISO161094R057.4	3493+30		X	20.66'	14.08'
ISO161094R056.02	3566+30	X		24'-3 3/8"	17'-7 7/8"
ISO161094R056.02	3566+30		X	23'-8 3/4"	14'-10 5/16"
ISO161094R055.46	3596+00	X		23'-2 1/4"	16'-7 5/16"
ISO161094R055.46	3596+00		X	22'-2 3/4"	15'-7 3/4"
ISO161094R055.08	3616+00	X		25'-1 1/16"	18'-6 1/16"
ISO161094R055.08	3616+00		X	23'-9 5/8"	17'-2 5/8"

DESIGNED	MSA	20
CHECKED	AS	EXAMINED
DRAWN	RV	PASSED
CHECKED	MSA	ENGINEER OF BRIDGES AND STRUCTURES

OS-A-4

1-7-05

NUMBER	REVISION	DATE

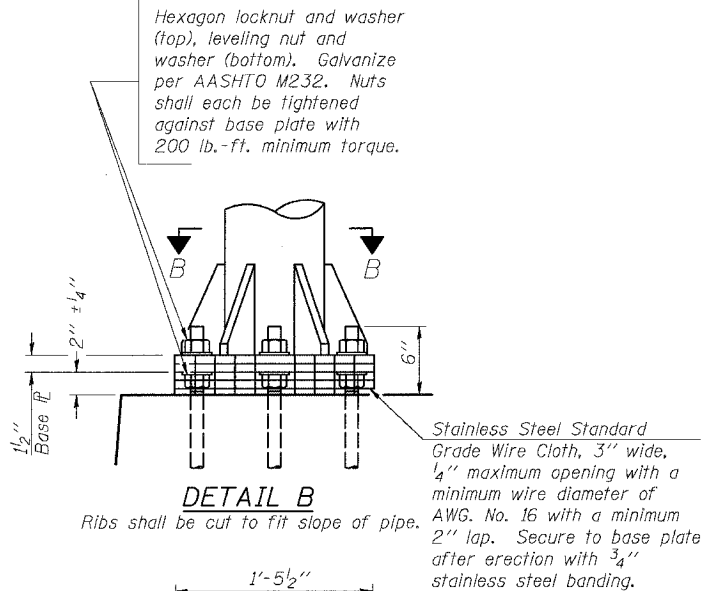
SGN-19

OVERHEAD SIGN STRUCTURES
SUPPORT FRAME for TYPE I-A ALUMINUM TRUSS

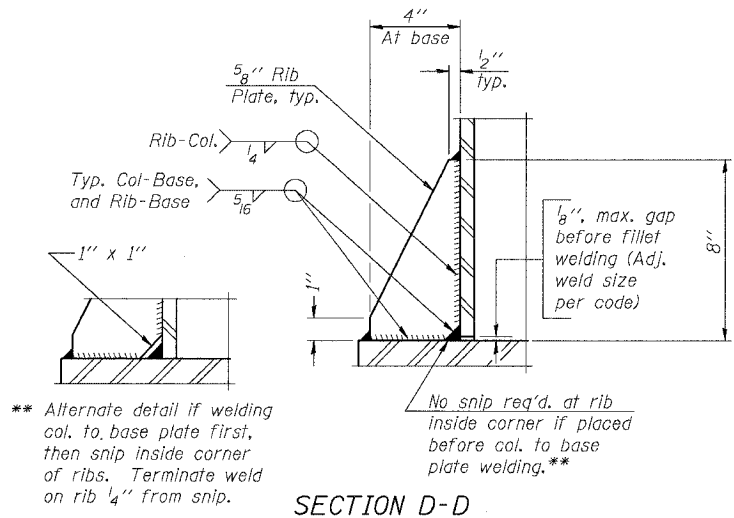
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
OVERHEAD SIGN STRUCTURES
(SPAN)

ROUTE NO.	SECTION	COUNTY	DATE SHEETS	SHEET NO.
94/90	*	COOK	588	270
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT-

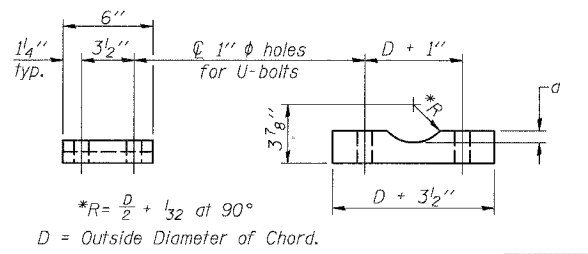
* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11



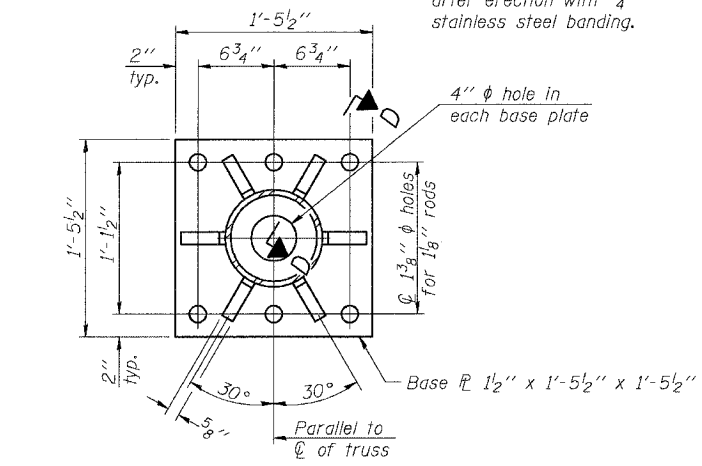
DETAIL B



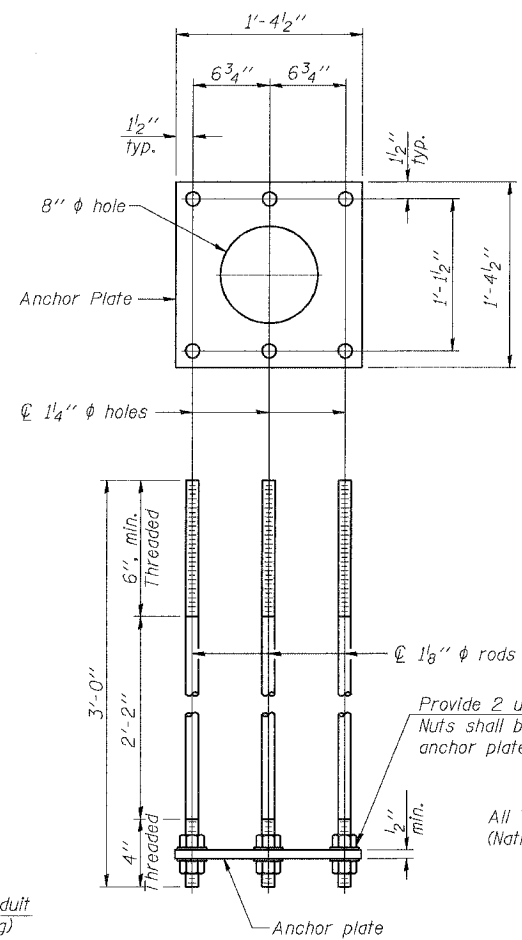
SECTION D-D



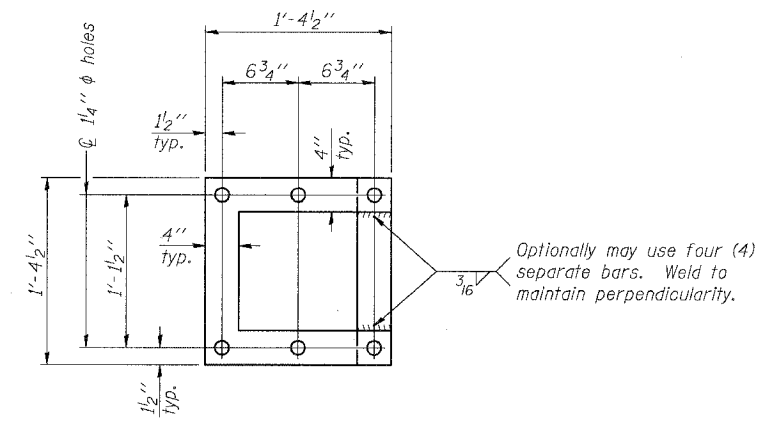
SADDLE SHIM DETAIL



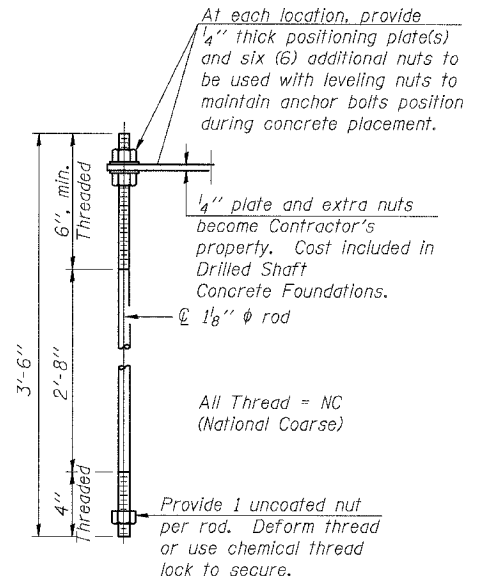
SECTION B-B



ANCHOR ROD DETAIL
Spread Footing Foundation

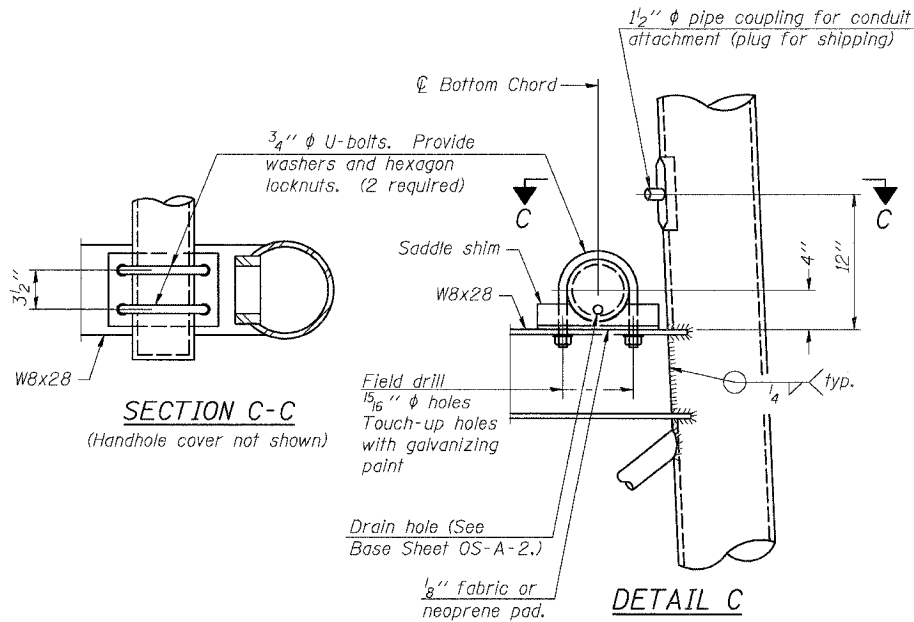


POSITIONING PLATE(S)



ANCHOR ROD DETAIL
Drilled Shaft Foundation

Anchor rods shall conform to AASHTO M314 Grade 36 or 55 and meet Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. Galvanize upper 12" per AASHTO M232. No welding shall be permitted on rods.



SECTION C-C

DETAIL C

TYPE I-A TRUSS
8" ϕ PIPE SUPPORT FRAME DETAILS

NUMBER	REVISION	DATE

DESIGNED	MSA	20
CHECKED	AS	EXAMINED
DRAWN	RV	ENGINEER OF STRUCTURAL SERVICES
CHECKED	MSA	PASSED
		ENGINEER OF BRIDGES AND STRUCTURES

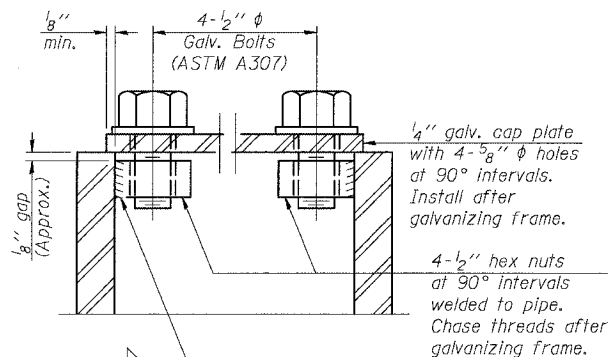
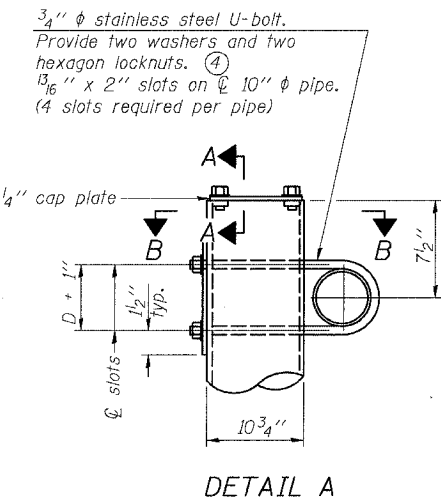
OVERHEAD SIGN STRUCTURES
SUPPORT FRAME DETAILS ALUMINUM TRUSS

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)

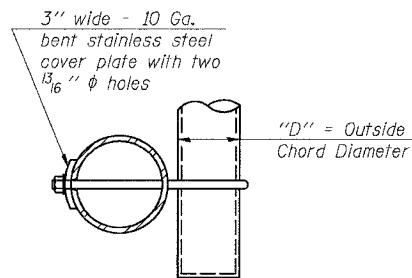
OVERHEAD SIGN STRUCTURES
(SPAN)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

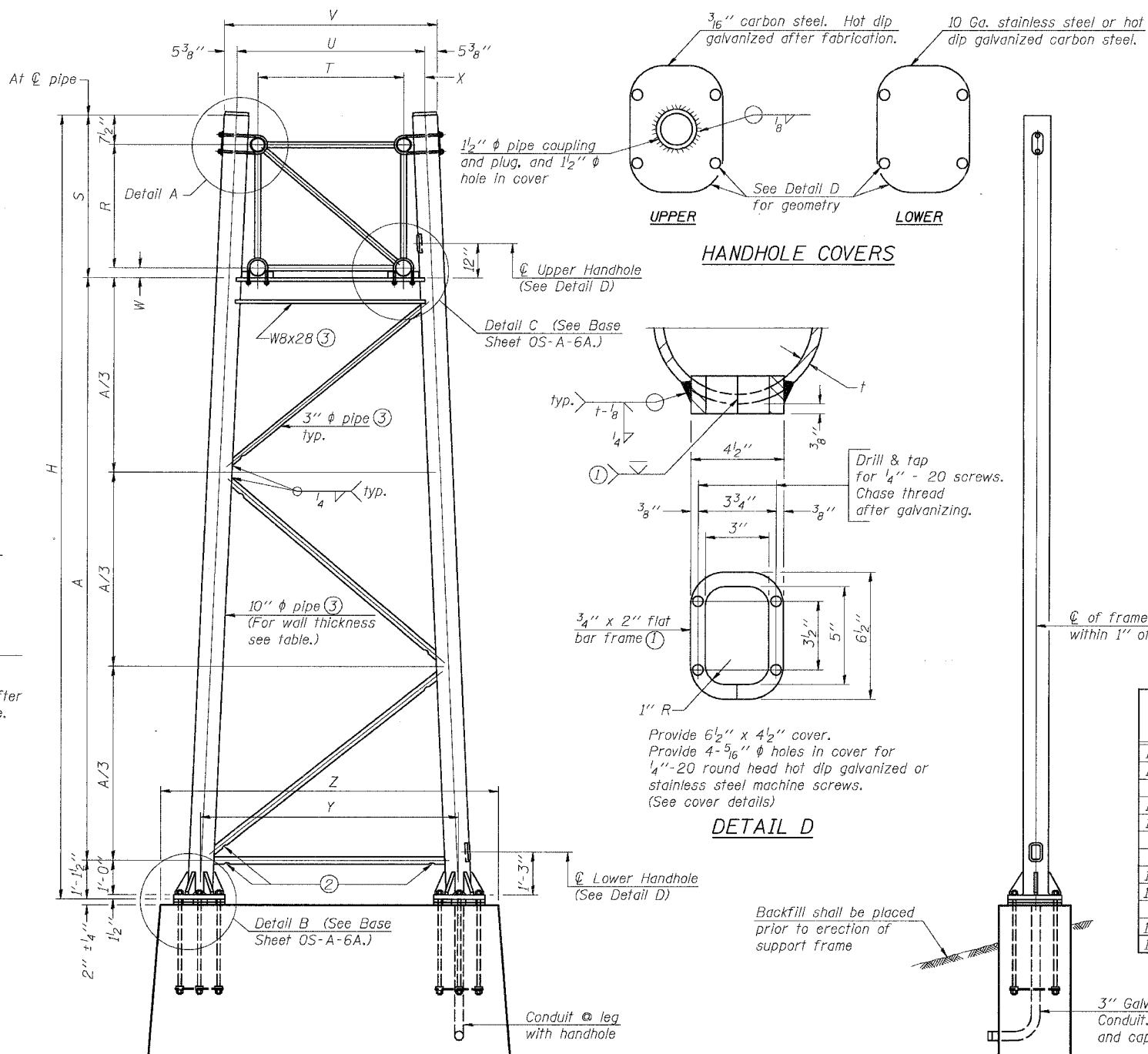
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
94/90	*	COOK	588	271
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-		



SECTION A-A
As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.

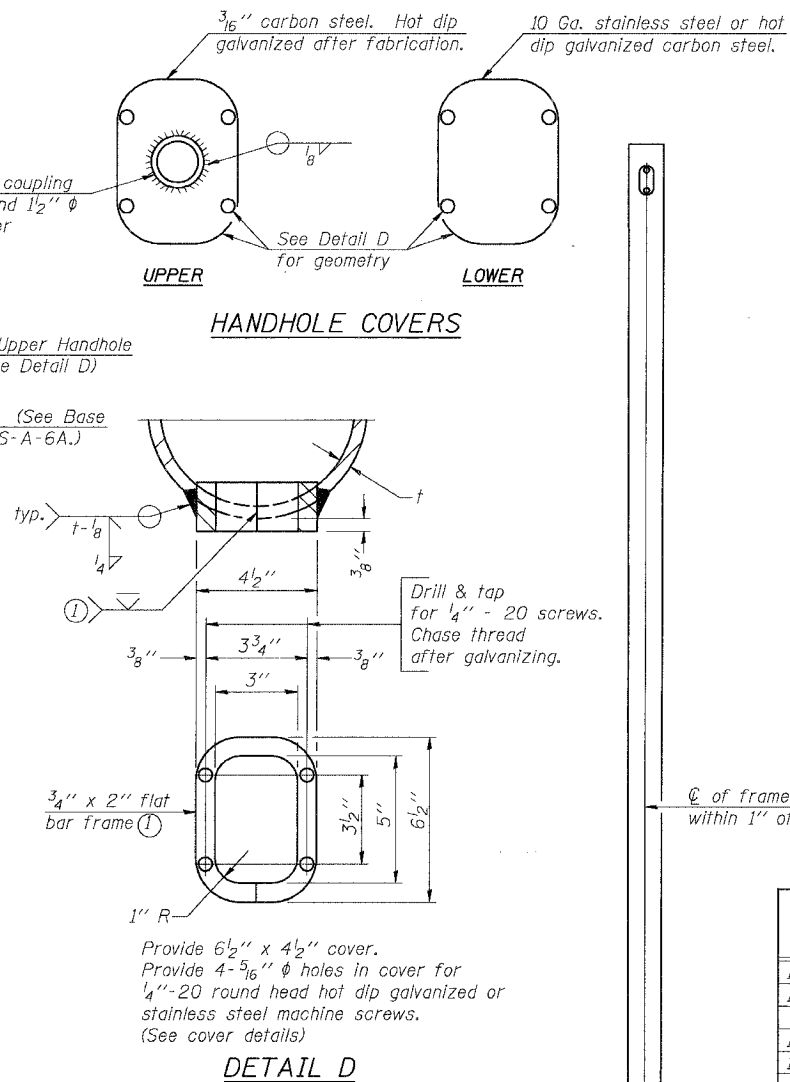


SECTION B-B



For Foundation Details, see base sheet OS-F3 (Spread Footing) or OS4-F3 (Drilled Shaft).

SIDE ELEVATION



DETAIL D

END ELEVATION

Support Design Loads: See Base Sheet OS-A-1 for design and loading criteria.
Load combinations checked include deadload plus:
a) 100% wind normal to sign, 20% parallel to sign
b) 60% wind normal to sign, 30% parallel to sign

- In lieu of fabricated handhole frame as shown, may cut from 2" plate *rolling direction vertical*. All cut faces to be ground to ANSI Roughness of 500 Min or less.
- Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.
- Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1.
- See General Notes for fasteners.
- Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.

Structure Number	Station	Support		Truss Type	Pipe Wall Thickness	H	A
		Left	Right				
ISO16I094R057.1	3511+00	X		II-A	0.365 (Std)	25.51'	18.12'
ISO16I094R057.1	3511+00		X	II-A	0.365 (Std)	22.10'	14.71'
ISO16I094R056.8	3524+00	X		II-A	0.365 (Std)	25.50'	18.11'
ISO16I094R056.8	3524+00		X	II-A	0.365 (Std)	23.00'	15.61'
ISO16I094R056.67	3532+00	X		I-A	0.279	25'-2 3/8"	18'-7 3/8"
ISO16I094R056.67	3532+00		X		0.279	20'-6 1/2"	13'-11 1/2"
ISO16I094R056.47	3543+00	X		I-A	0.279	24'-6 1/4"	17'-11 1/4"
ISO16I094R056.47	3543+00		X		0.279	24'-1 5/8"	17'-6 5/8"

DESIGNED	MSA	20
CHECKED	AS	EXAMINED
DRAWN	RV	PASSED
CHECKED	MSA	ENGINEER OF BRIDGES AND STRUCTURES

OS-A-6

1-7-05

NUMBER	REVISION	DATE

Truss Type	Dimensions								
	R	S	T	U	V	W	X	Y	Z
I-A	4'-6"	5'-5 1/2"	4'-0"	5'-6"	6'-4 3/4"	4"	9"	8'-3"	10'-9"
II-A ⑤	5'-3"	6'-3 1/4"	4'-6"	6'-1"	6'-11 3/4"	4 3/4"	9 1/2"	8'-3"	10'-9"

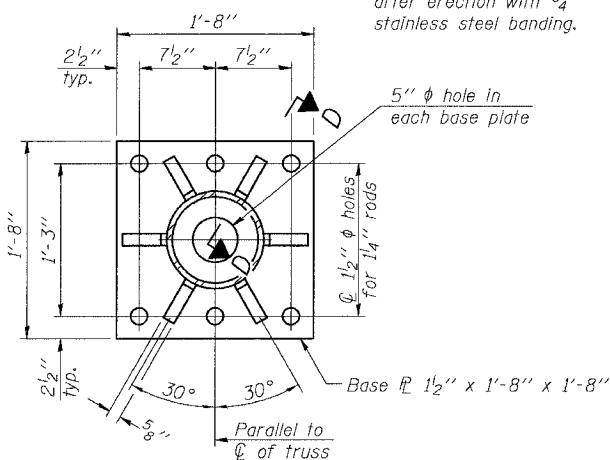
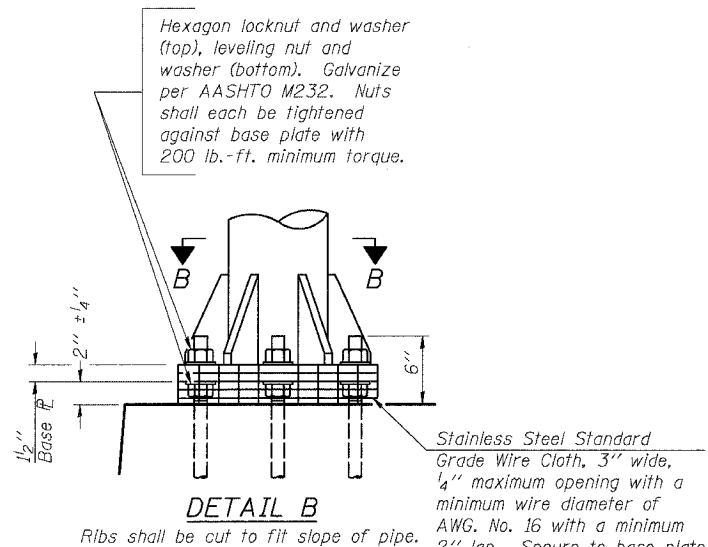
OVERHEAD SIGN STRUCTURES
SUPPORT FRAME for ALUMINUM TRUSS
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
OVERHEAD SIGN STRUCTURES
(SPAN)

SGN-21

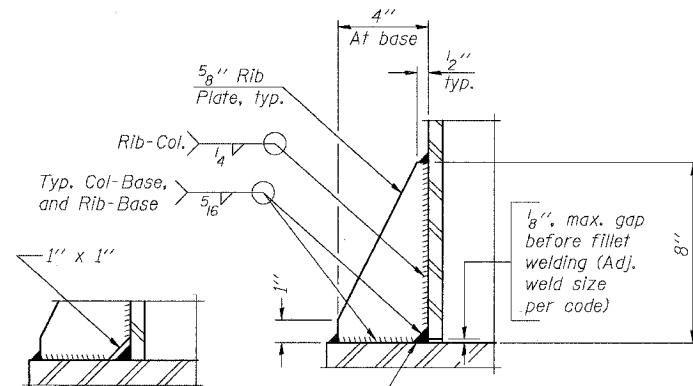
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	272
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT-		

* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11

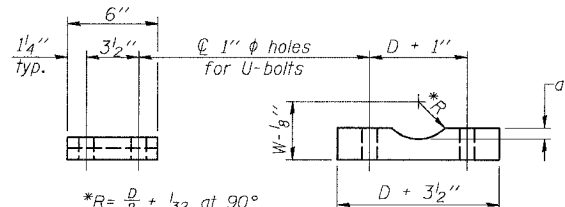


SECTION B-B



** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib 1/4" from snip.

SECTION D-D

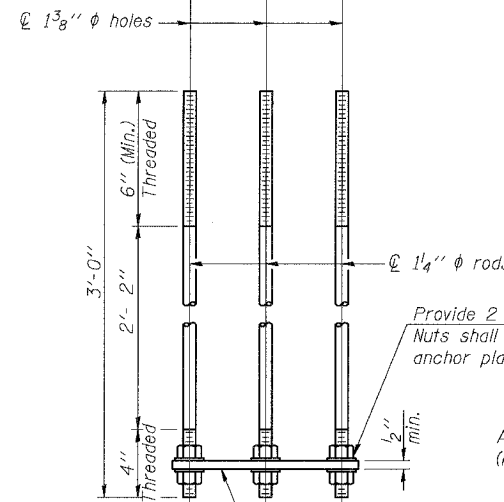
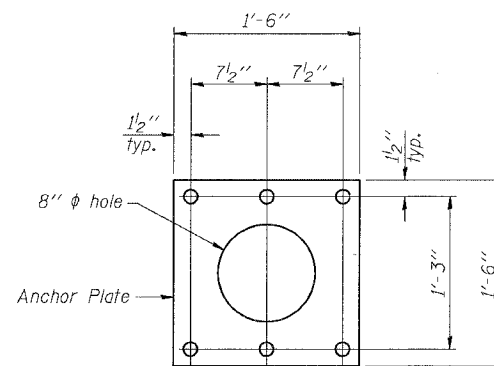


D = Outside Diameter of Chord.
For W, see Base Sheet OS-A-6.

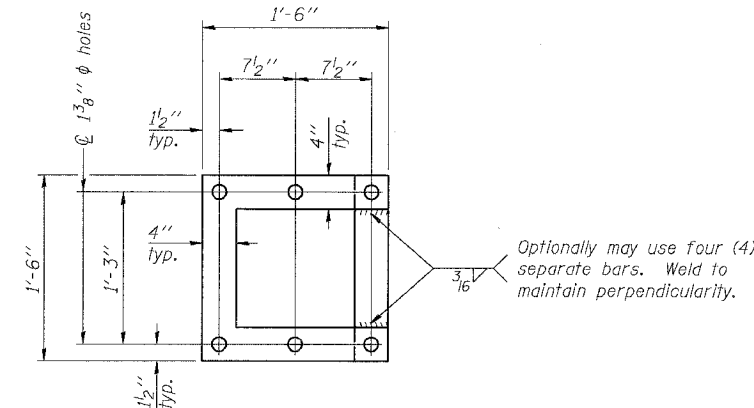
SADDLE SHIM DETAIL

ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)

Truss Chord Nominal Dia.	a
5"	3/4"
5 1/2"	13/16"
6"	7/8"
6 1/2"	15/16"
7"	1"



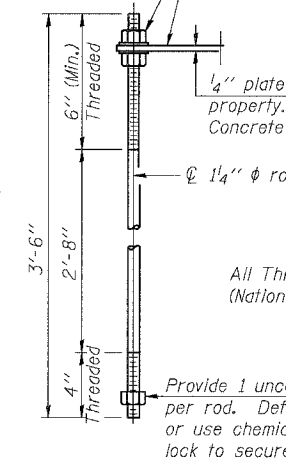
ANCHOR ROD DETAIL
Spread Footing Foundation



POSITIONING PLATE(S)

At each location, provide 1/4" thick positioning plate(s) and six (6) additional nuts to be used with leveling nuts to maintain anchor bolts position during concrete placement.

1/4" plate and extra nuts become Contractor's property. Cost included in Drilled Shaft Concrete Foundations.



ANCHOR ROD DETAIL
Drilled Shaft Foundation

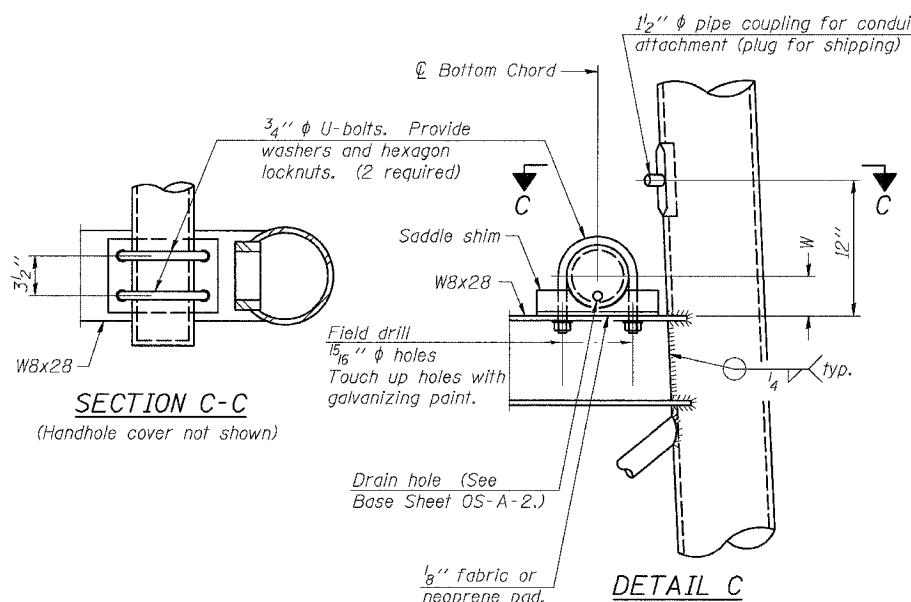
Anchor rods shall conform to AASHTO M314 Grade 36 or 50 and meet Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. Galvanize upper 12" per AASHTO M232. No welding shall be permitted on rods.

NUMBER	REVISION	DATE

DESIGNED	MSA	20
CHECKED	AS	EXAMINED
DRAWN	RV	PASSED
CHECKED	MSA	ENGINEER OF BRIDGES AND STRUCTURES

OS-A-6A

1-7-05



SECTION C-C

(Handhole cover not shown)

DETAIL C

10" PIPE SUPPORT FRAME DETAILS

SGN-22

OVERHEAD SIGN STRUCTURES
SUPPORT FRAME DETAILS ALUMINUM TRUSS

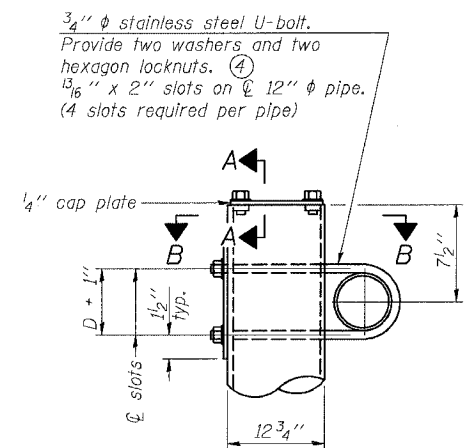
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)

OVERHEAD SIGN STRUCTURES
(SPAN)

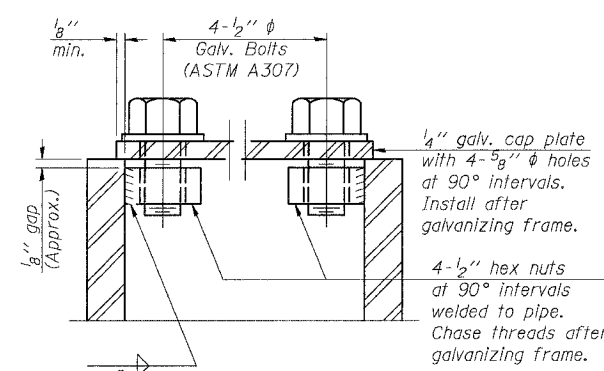
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	273
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11

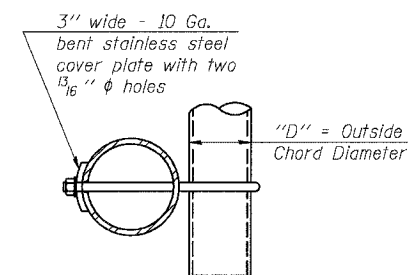


DETAIL A

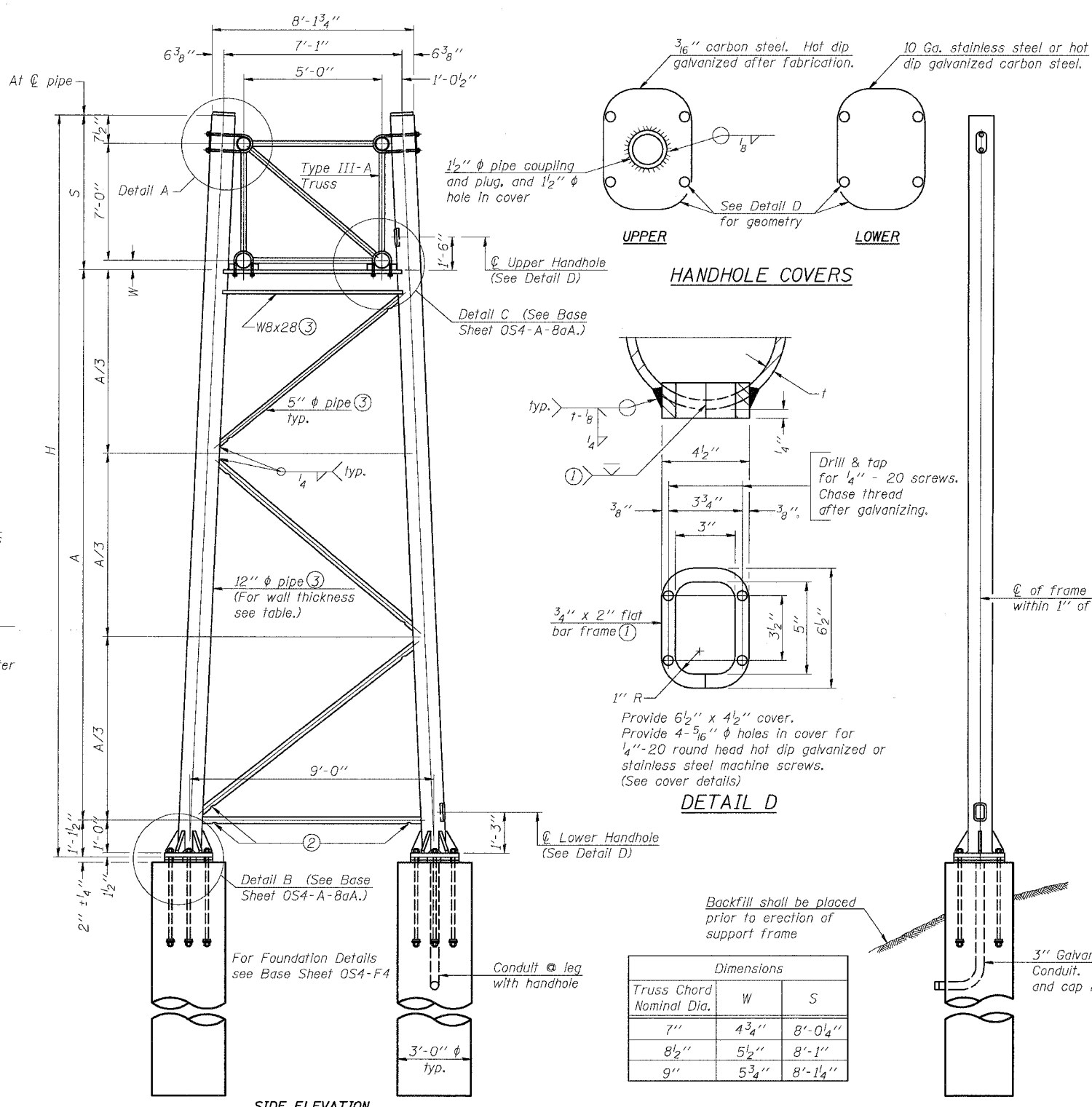


SECTION A-A

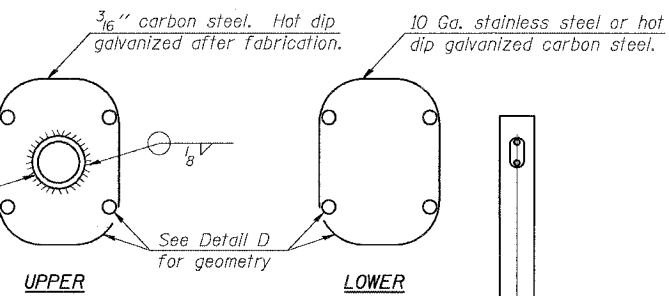
As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.



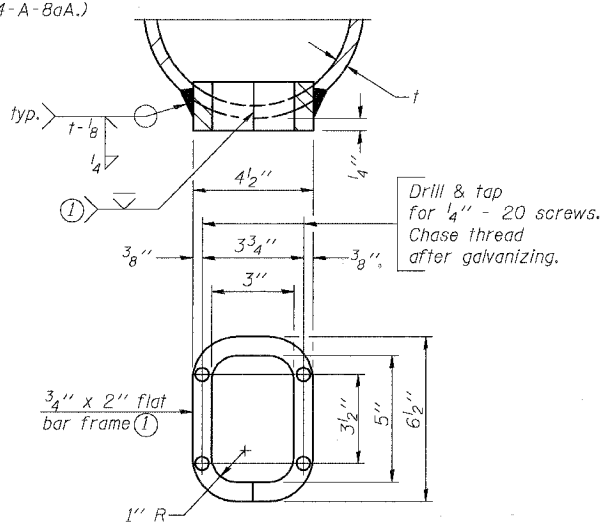
SECTION B-B



SIDE ELEVATION



HANDHOLE COVERS



DETAIL D

Dimensions		
Truss Chord Nominal Dia.	W	S
7"	4 3/4"	8'-0 1/4"
8 1/2"	5 1/2"	8'-1"
9"	5 3/4"	8'-1 1/4"

TRUSS SUPPORT DETAILS
(12" ϕ Pipe-Type III-A Truss)

Support Design Loads: See Base Sheet OS-A-1 for design and loading criteria.
Load combinations checked include deadload plus:
a* 100% wind normal to sign, 20% parallel to sign
b* 60% wind normal to sign, 30% parallel to sign

- In lieu of fabricated handhole frame as shown, may cut from 2" plate *rolling direction vertical*. All cut faces to be ground to ANSI Roughness of 500 Min or less.
- Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.
- Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1.
- See General Notes for Fasteners.
- Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.

Structure Number	Station	Support		Pipe Wall Thickness	H	A
		Left	Right			
IS0161094R057.8	3475+92.44	X		0.33	24.00'	14.86'
IS0161094R057.8	3475+92.44		X	0.33	23.73'	14.58'
IS0161094R055.64	3586+50	X		0.33	24'-8 3/8"	15'-6 7/16"
IS0161094R055.64	3586+50		X	0.33	19'-3 7/16"	10'-1 5/8"

DESIGNED	MSA	EXAMINED	20
CHECKED	AS	PASSED	ENGINEER OF STRUCTURAL SERVICES
DRAWN	RV		ENGINEER OF BRIDGES AND STRUCTURES
CHECKED	MSA		

OS4-A-8a 1-7-05

NUMBER	REVISION	DATE

SGN-23
OVERHEAD SIGN STRUCTURES
SUPPORT FRAME for TYPE III-A ALUMINUM TRUSS
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
OVERHEAD SIGN STRUCTURES
(SPAN)

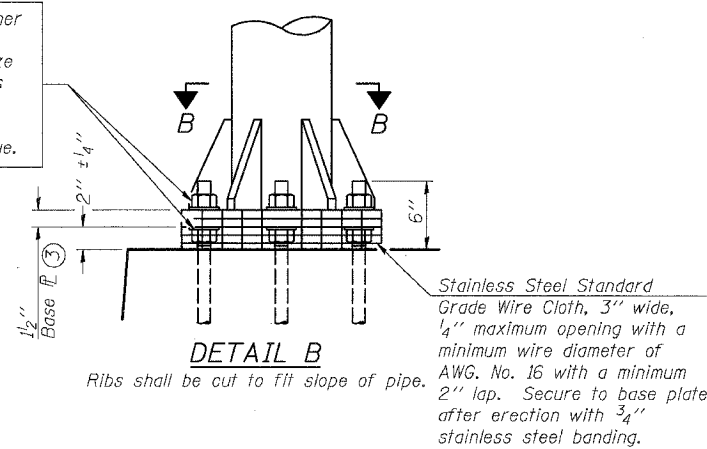
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	TOTAL SHEETS
94/90	*	COOK	588	274
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

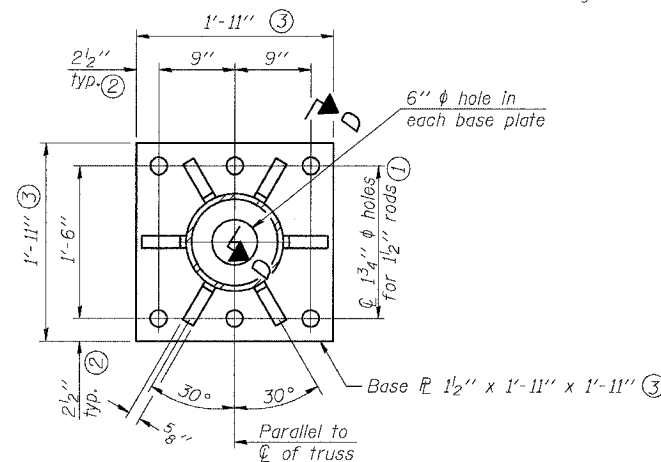
* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11

11/20/2009 09:19 User: user304-r60zaf

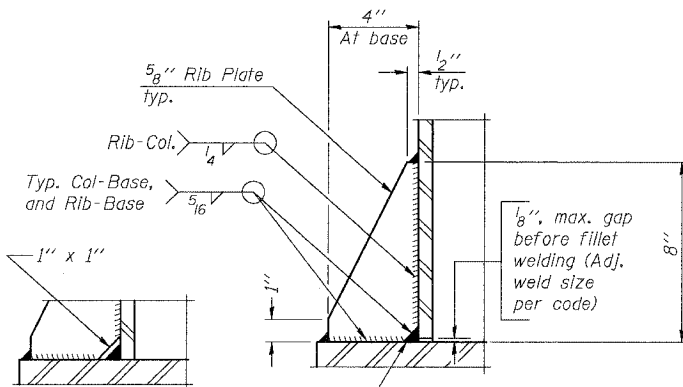
Hexagon locknut and washer (top), leveling nut and washer (bottom). Galvanize per AASHTO M232. Nuts shall each be tightened against base plate with 200 lb.-ft. minimum torque.



DETAIL B
Ribs shall be cut to fit slope of pipe.

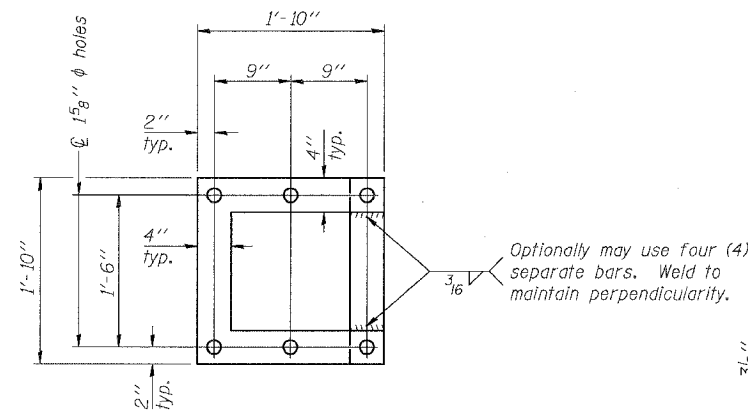


SECTION B-B

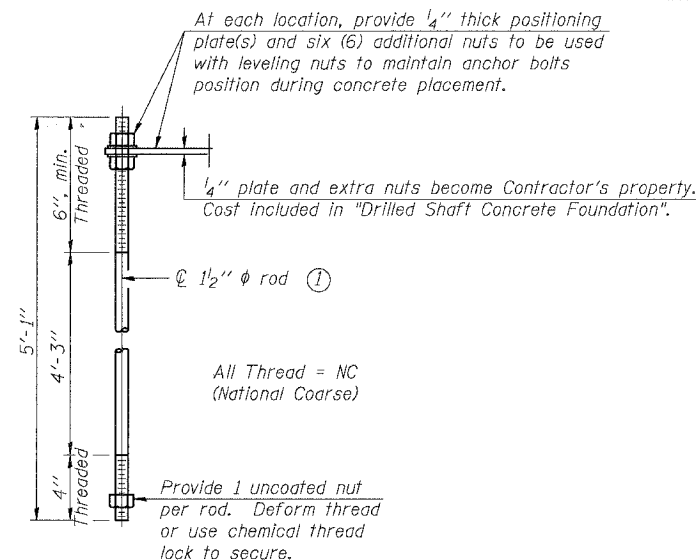


** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib 1/4 inch from snip.

SECTION D-D



POSITIONING PLATE(S)



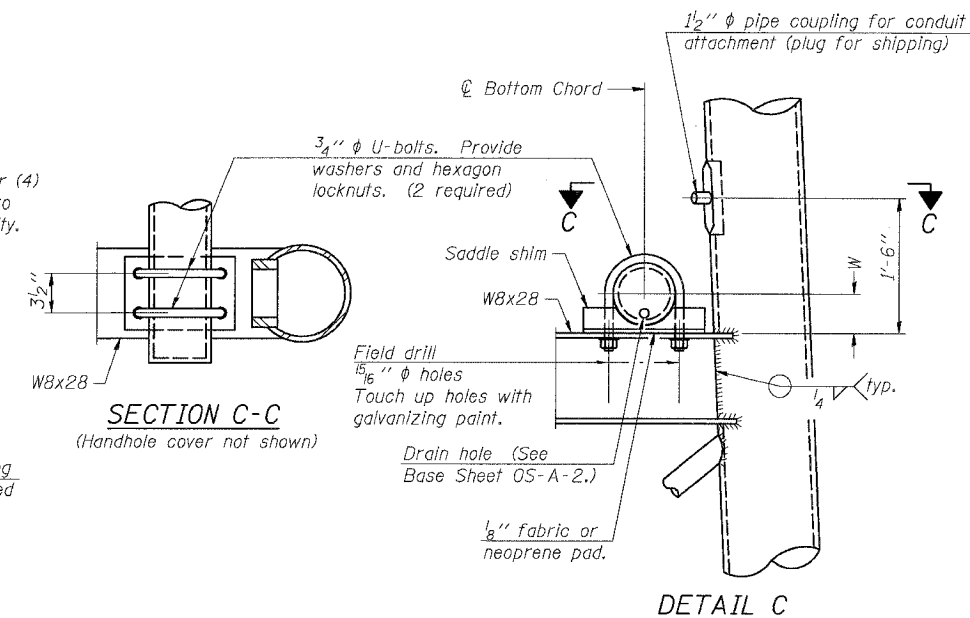
ANCHOR ROD DETAIL

Anchor rods shall conform to AASHTO M314 Grade 36 or 55 and meet Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. Galvanize upper 12" per AASHTO M232. No welding shall be permitted on rods.

**TYPE III-A TRUSS
12" Ø PIPE SUPPORT FRAME DETAILS**

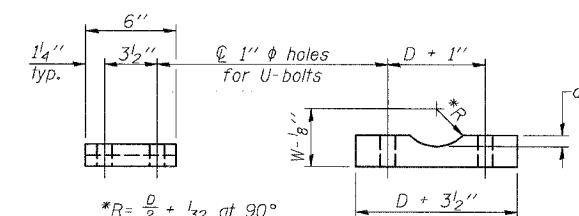
Notes:
For Type III-A Truss spans greater than 150 ft. and up to 160 ft.:

- ① 1 3/4" * rod, 2" * holes
- ② 2 3/4" edge distance
- ③ Base * 1 5/8" x 1'-11 1/2" x 1'-11 1/2"



SECTION C-C

(Handhole cover not shown)



SADDLE SHIM DETAIL

ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)

Truss Chord Nominal Dia.	a
7"	1"
8 1/2"	1 1/4"
9"	1 3/8"

DESIGNED	MSA
CHECKED	AS
DRAWN	RV
CHECKED	MSA

EXAMINED	20
PASSED	

NUMBER	REVISION	DATE

OS4-A-8aA

1-7-05

**OVERHEAD SIGN STRUCTURES
SUPPORT FRAME for TYPE III-A ALUMINUM TRUSS**

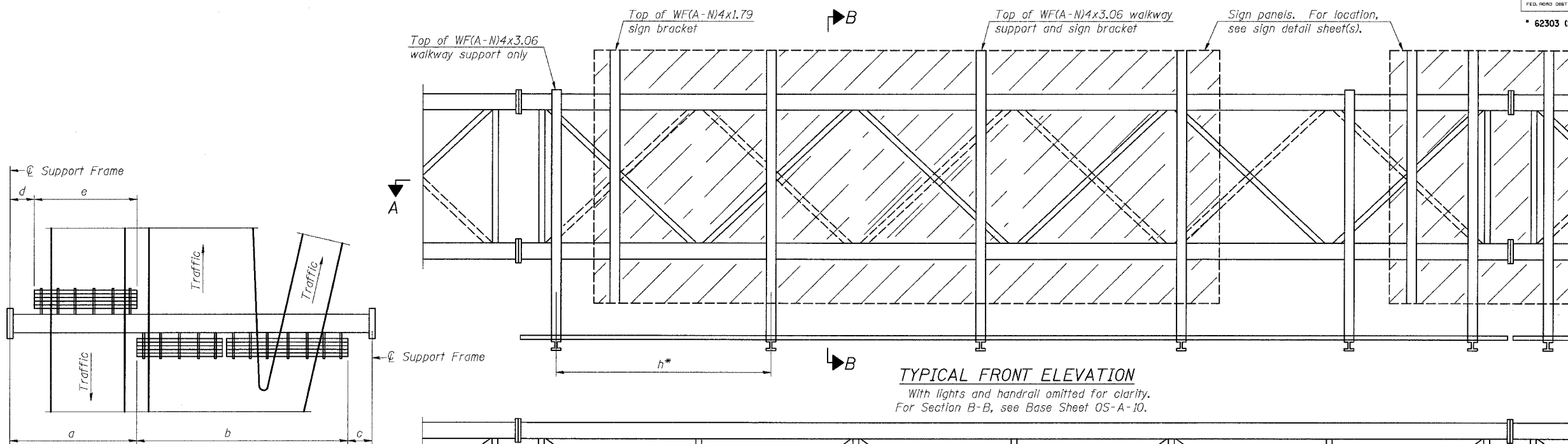
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
OVERHEAD SIGN STRUCTURES
(SPAN)

SGN-24

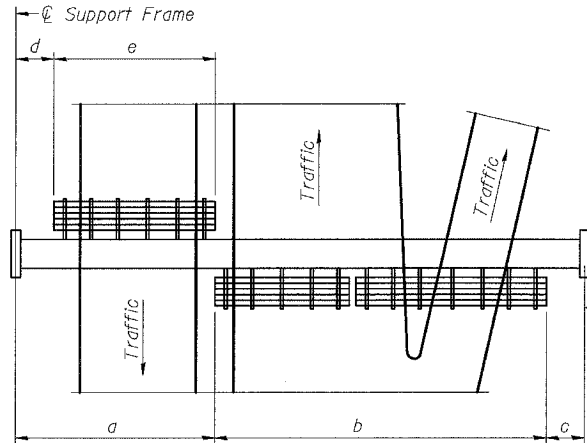
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
94/90	*	COOK	588	275
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

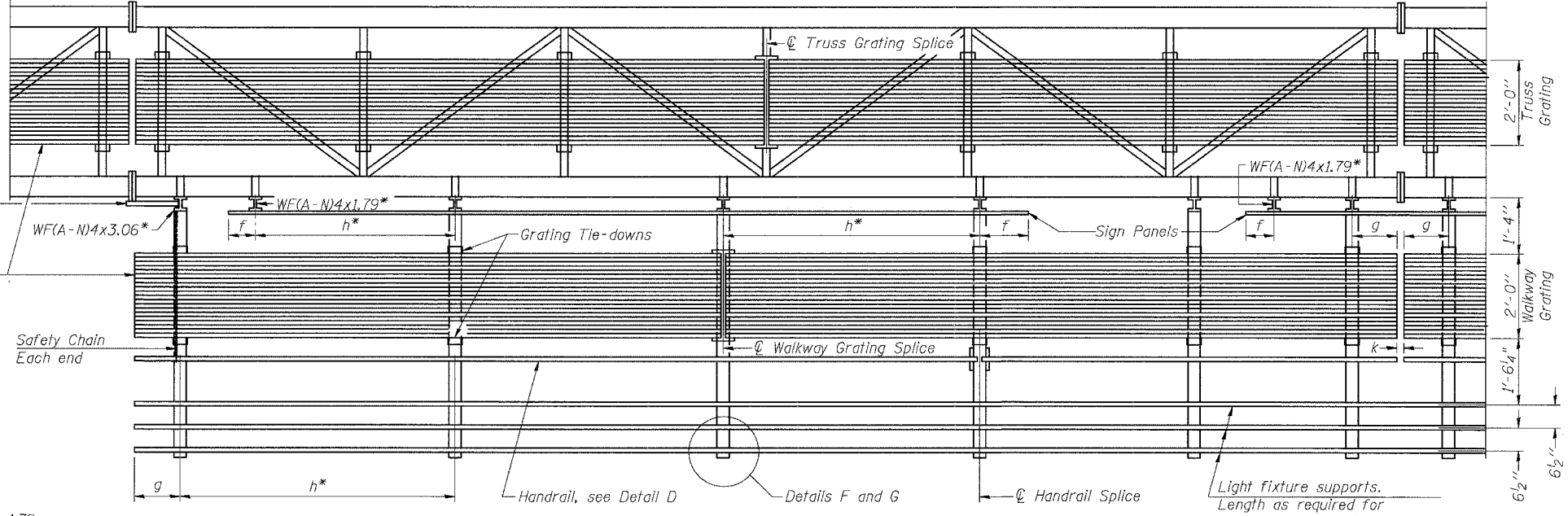
* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11



TYPICAL FRONT ELEVATION
With lights and handrail omitted for clarity.
For Section B-B, see Base Sheet OS-A-10.



PLAN WALKWAY AND HANDRAIL SKETCH
(Road plan beneath truss varies)



SECTION A-A

Handrail and walkway shall span a minimum of three brackets between splices and/or gap joints. Place all sign and walkway brackets as close to panel points as practical. Grating, handrail and light support splices placed as needed.

Walkway and Truss Grating width dimensions are nominal and may vary ±1/2" based on available standard widths.

BRACKET TABLE

Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
	8'-0"	2
8'-0"	14'-0"	3
14'-0"	20'-0"	4
20'-0"	26'-0"	5
26'-0"	32'-0"	6

WF(A-N)4x1.79 or WF(A-N)4x3.06
ASTM B308, Alloy 6061-T6

** Alternate angle for safety chain attachment
Standard Aluminum Grating, see Details T and W

Notes:
* Space walkway brackets WF*A-N*4x3.06 and sign brackets WF*A-N*4x1.79 for efficiency and within limits shown:

f = 12" maximum, 4" minimum *End of sign to * of nearest bracket*
g = 12" maximum, 4" minimum *End of walkway grating to * of nearest support bracket*
h = 6'-0" maximum ** to * sign and/or walkway support brackets, WF*A-N*4x1.79 or WF*A-N*4x3.06*
k = 2" maximum gap between adjacent walkway grating sections and handrail ends

** If walkway bracket at safety chain location is behind sign, add angle to bracket, see Alternate Safety Chain Attachment on Base Sheet OS-A-11.

For Details T and W, Section B-B and Grating Splice Details, see Base Sheet OS-A-10.
For Details D, F, G and P and Handrail Splice Details, see Base Sheet OS-A-11.

Structure Number	Station	a	b	c	d	e	Walkway Grating and Handrail Lengths
ISO16I094R057.1	3511+00.00	14.83'	54.0'	21.17'	---	---	54.0'
ISO16I094R057.4	3493+30.00	6.20'	40.0'	19.80'	---	---	40.0'
ISO16I094R056.8	3524+00.00	8.21'	55.5'	19.29'	---	---	55.5'
ISO16I094R056.67	3532+00	6.0'	60.25'	18.75'	---	---	60.25'
ISO16I094R056.47	3543+00	6.87'	56.5'	17.63'	---	---	56.5'
ISO16I094R056.02	3566+30	7.58'	52.0'	15.42'	---	---	52.0'
ISO16I094R055.46	3596+00	8.87'	42.0'	19.13'	---	---	42.0'
ISO16I094R055.08	3616+00	10.87'	52.0'	10.13'	---	---	52.0'

DESIGNED	MSA
CHECKED	AS
DRAWN	RV
CHECKED	MSA

EXAMINED	20
PASSED	ENGINEER OF STRUCTURAL SERVICES
	ENGINEER OF BRIDGES AND STRUCTURES

NUMBER	REVISION	DATE

OS-A-9 1-7-05

SGN-25

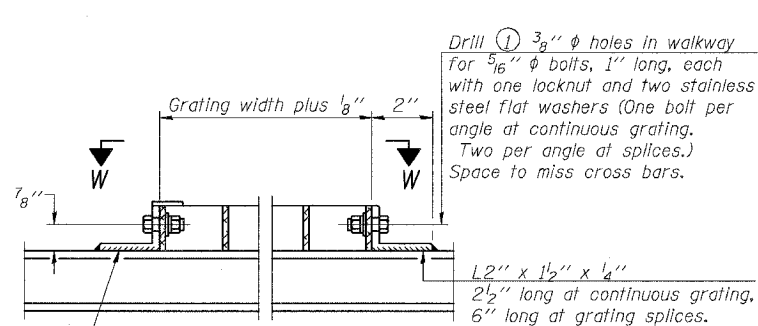
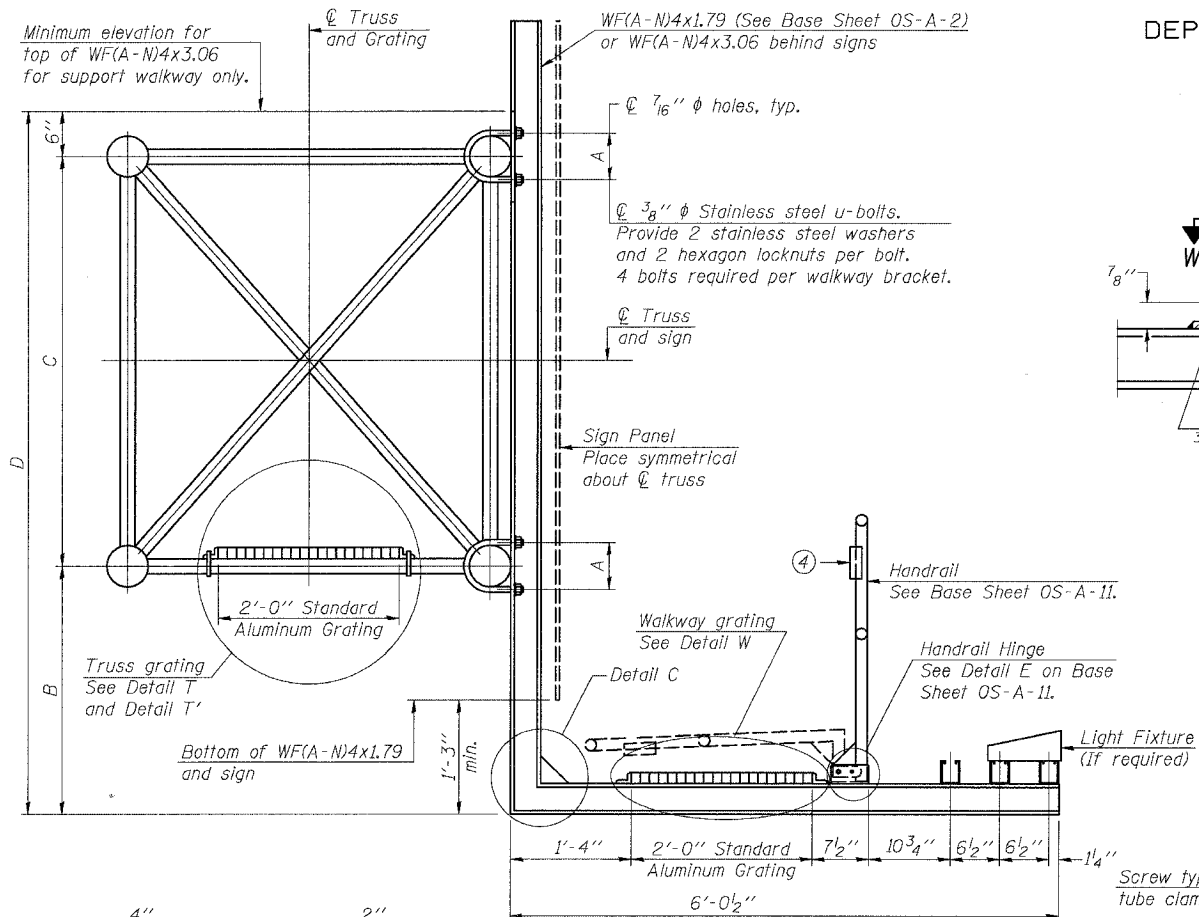
**OVERHEAD SIGN STRUCTURES
ALUMINUM WALKWAY DETAILS**

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
OVERHEAD SIGN STRUCTURES
(SPAN)

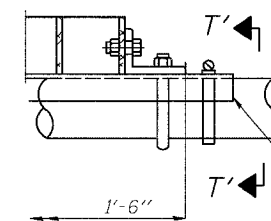
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	276
FED. ROAD DIST. NO. 1	ILL. INDS.	FED. AID PROJECT-		

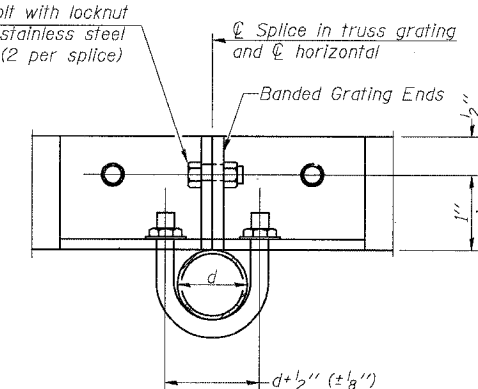
* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11



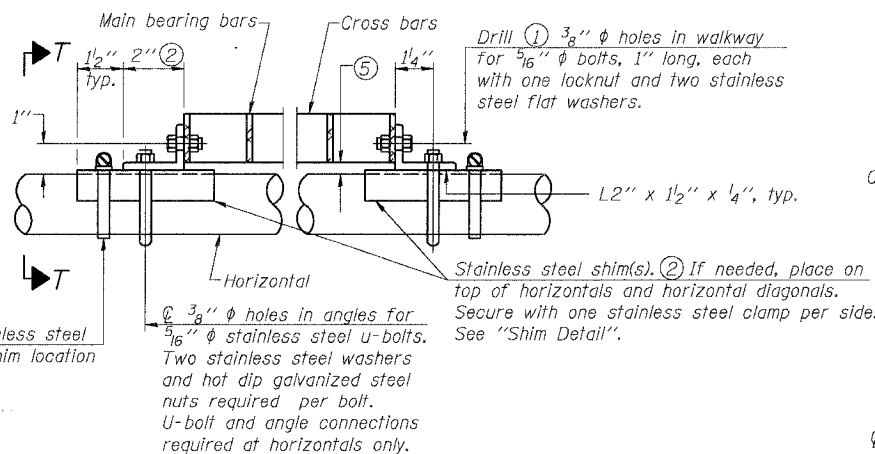
DETAIL W
(Walkway grating)



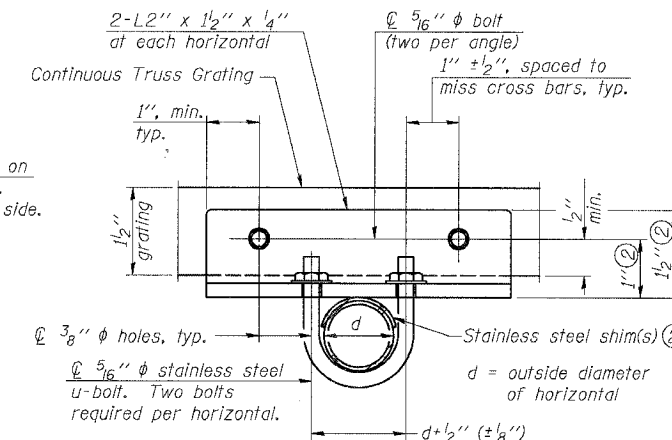
DETAIL T'
(Truss grating splice)
Details not shown same as Detail T. Alternate materials may be used subject to the Engineer's review and approval.



SECTION T'-T'



DETAIL T
(Continuous Truss grating)



SECTION T-T

SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

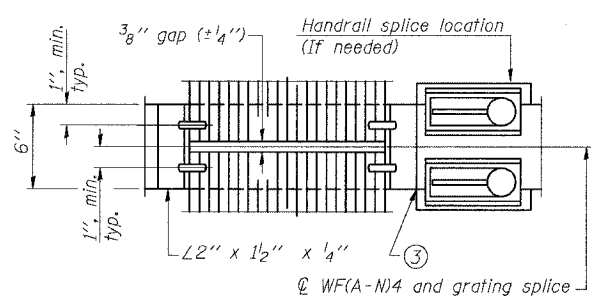
Main Bearing Bars shall be 3/16" x 1 1/2" on 1 3/16" centers and conform to ASTM B221 Alloy 6061-T6.
Cross bars shall be 3/16" x 1 1/2" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR

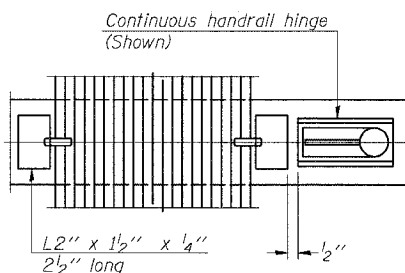
Aluminum Grating with modified "I" sections for main bearing bars shall meet the following requirements:
Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 in.³ per bar, a depth of 1 1/2", spaced on 1 3/16" centers.
Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

Structure Number	Station	A	B	C	D
IS016I094R057.1	3511+00	6 1/2"	4'-10 1/2"	5'-3"	10'-7 1/2"
IS016I094R057.4	3493+30	5"	3'-3"	4'-6"	8'-3"
IS016I094R056.8	3524+00	6"	4'-10 1/2"	5'-3"	10'-7 1/2"
IS016I094R056.67	3532+00	5 1/2"	5'-3"	4'-6"	10'-3"
IS016I094R056.47	3543+00	5 1/2"	5'-0"	4'-6"	10'-0"
IS016I094R056.02	3566+30	5 1/2"	5'-0"	4'-6"	10'-0"
IS016I094R055.46	3596+00	5 1/2"	3'-3"	4'-6"	8'-3"
IS016I094R055.08	3616+00	5 1/2"	5'-6"	4'-6"	10'-6"

SECTION B-B

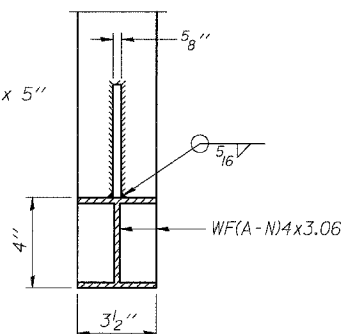


(AT WALKWAY GRATING SPLICE)



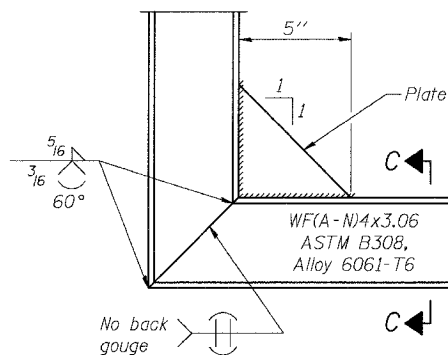
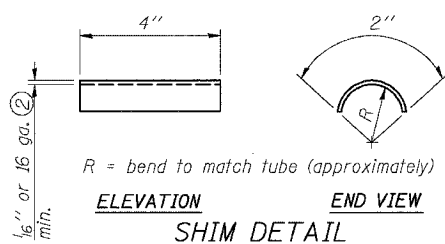
SECTION W-W
(CONTINUOUS WALKWAY GRATING)

SECTION C-C



DETAIL C

(See Detail P, Base Sheet OS-A-11.)



DESIGNED	MSA
CHECKED	AS
DRAWN	RV
CHECKED	MSA

EXAMINED	20
PASSED	ENGINEER OF STRUCTURAL SERVICES
	ENGINEER OF BRIDGES AND STRUCTURES

NUMBER	REVISION	DATE

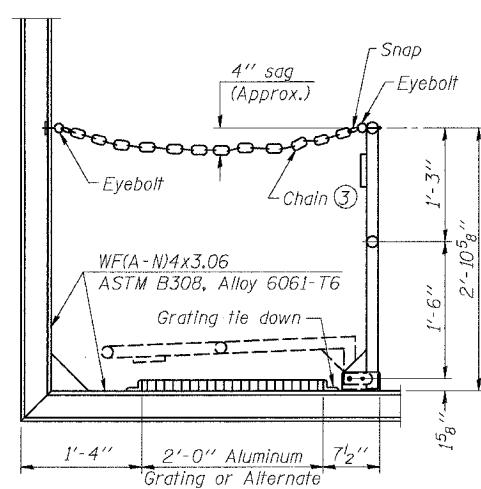
OVERHEAD SIGN STRUCTURES
ALUMINUM WALKWAY DETAILS

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
OVERHEAD SIGN STRUCTURES
(SPAN)

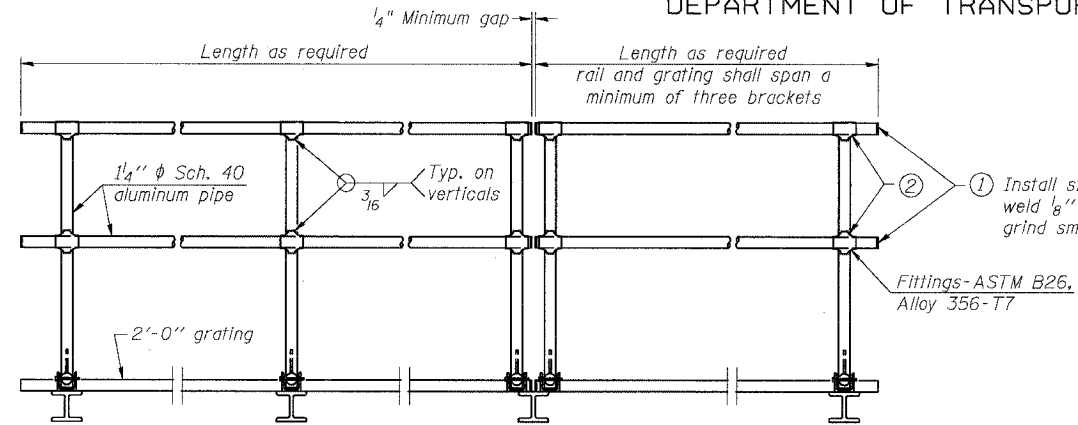
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	277
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT-	

* 62303 (2021-922 PT2 ETC 2324.6-1PI) R-11



SIDE ELEVATION
(Showing safety chain w/o sign)

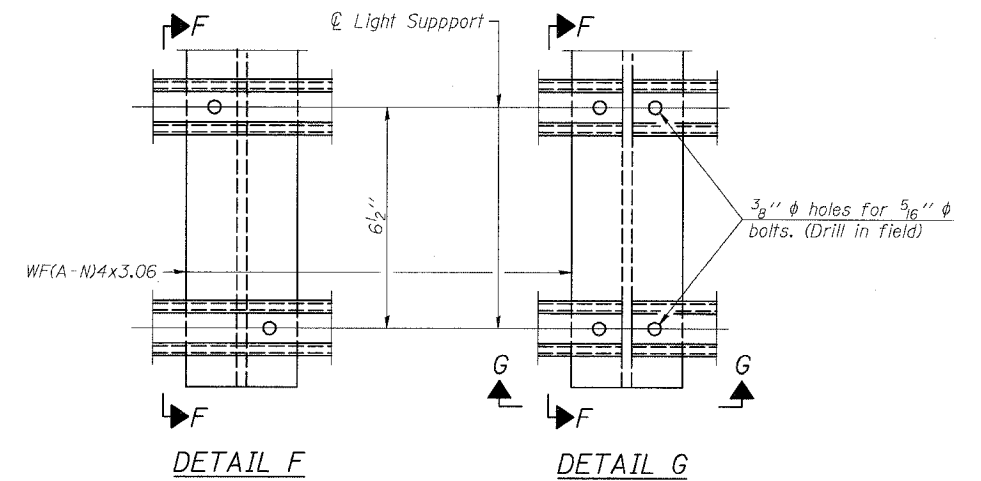


FRONT ELEVATION

HANDRAIL DETAILS

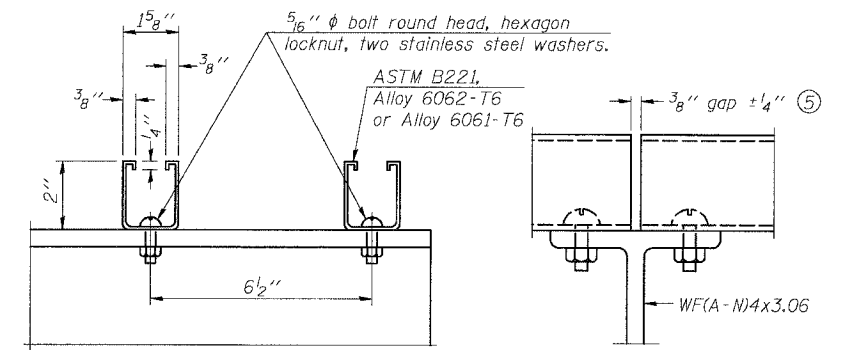
Handrail pipe shall be ASTM B241, Alloy 6063-T6 or Alloy 6061-T6.

- Install standard force-fit end caps or weld 1/8" end plates with 1/8" c.f.w. and grind smooth. (All rail ends)
- Horizontal handrail member shall be continuous thru fitting. Provide 7/16" hole in fitting for 3/8" bolt. Field drill 1/16" hole in horizontal rail member. Provide locknut and two stainless steel washers for bolt. (Use 5/16" eyebolts in 7/16" holes on top rail at ends only.)



DETAIL F

DETAIL G

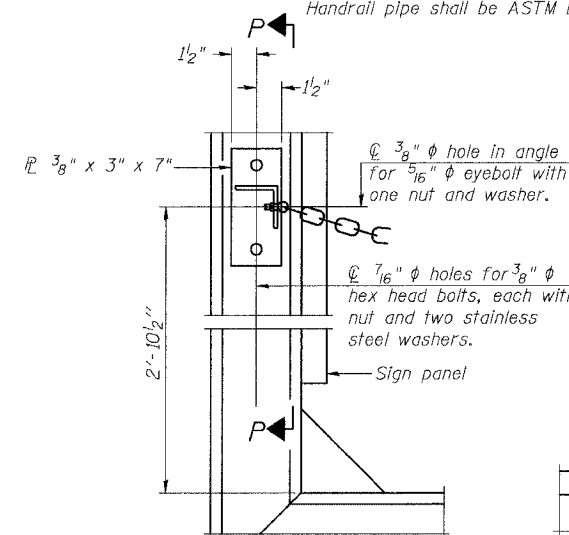


SECTION F-F

SECTION G-G

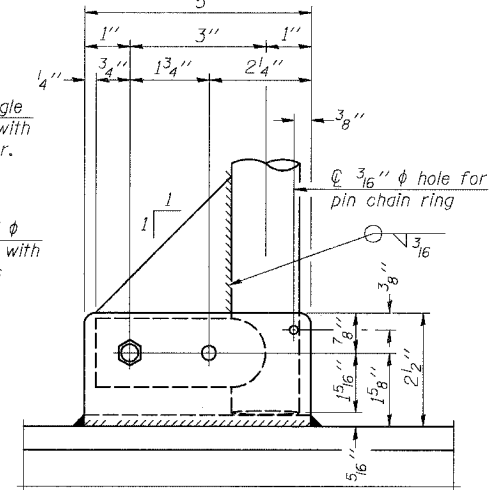
LIGHTING FIXTURE MOUNTS (IF REQUIRED)

- Field cut ends of light support channels shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.

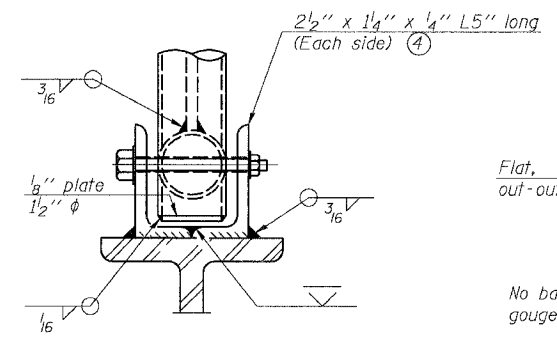


ALTERNATE SAFETY CHAIN ATTACHMENT

(With Sign Present)
Items not shown same as "Side Elevation" of "Handrail Details"



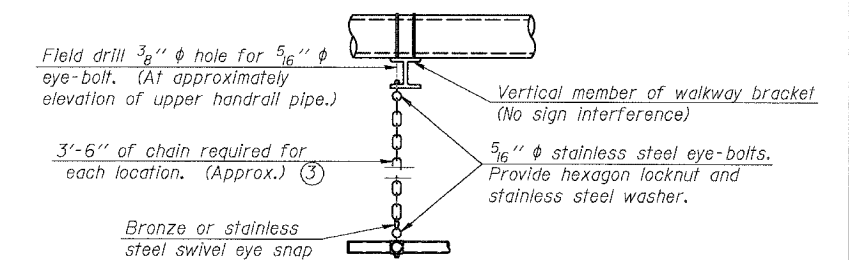
SIDE ELEVATION



FRONT ELEVATION

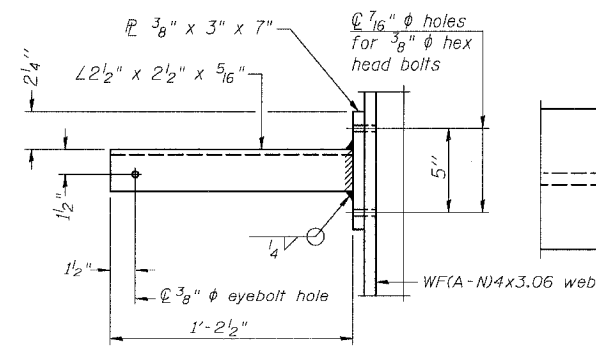
See "Elevation" at right for dimensions.

ELEVATION AT HANDRAIL JOINT ④

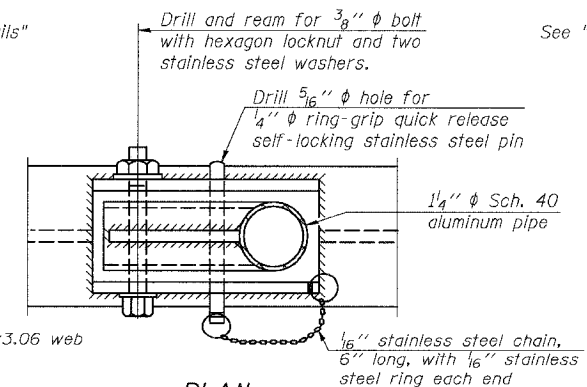


SAFETY CHAIN

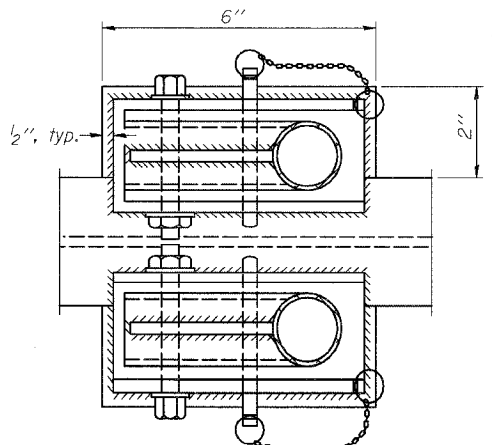
One required for each end of each walkway.



SECTION P-P

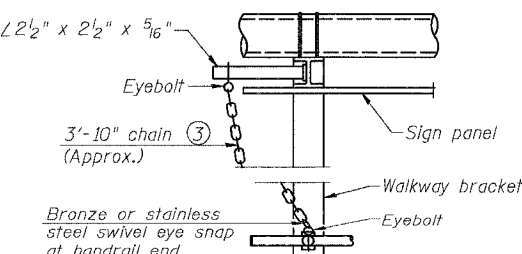


**PLAN
DETAIL E HANDRAIL HINGE**



PLAN AT HANDRAIL JOINT

Details not shown same as "PLAN"



ALTERNATE SAFETY CHAIN ATTACHMENT

Details not shown similar to "Safety Chain" Details (Walkway omitted for clarity)

- 3/16" galvanized steel chain, approximately 12 links per foot. Chain to be hot dip galvanized after manufacture and suitable for prolonged exterior exposure. Alternate materials may be substituted with the Engineer's approval.
- Extrusions may be used in lieu of the details shown, with approval of the Engineer.

DESIGNED	MSA	20
CHECKED	AS	EXAMINED
DRAWN	RV	PASSED
CHECKED	MSA	ENGINEER OF BRIDGES AND STRUCTURES

OS-A-11

1-7-05

NUMBER	REVISION	DATE

OVERHEAD SIGN STRUCTURES
ALUMINUM HANDRAIL DETAILS

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)

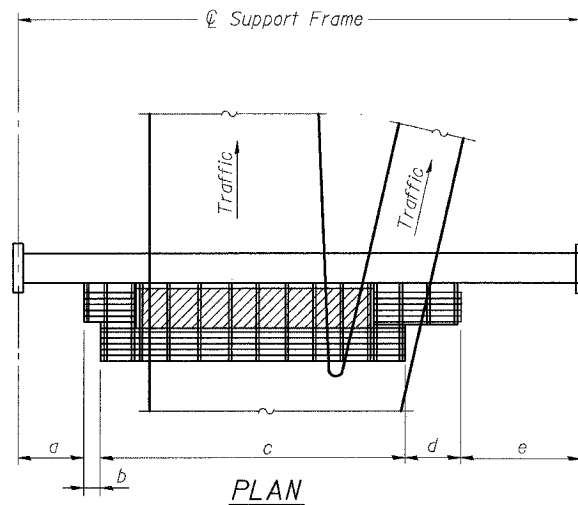
OVERHEAD SIGN STRUCTURES
(SPAN)

SGN-27

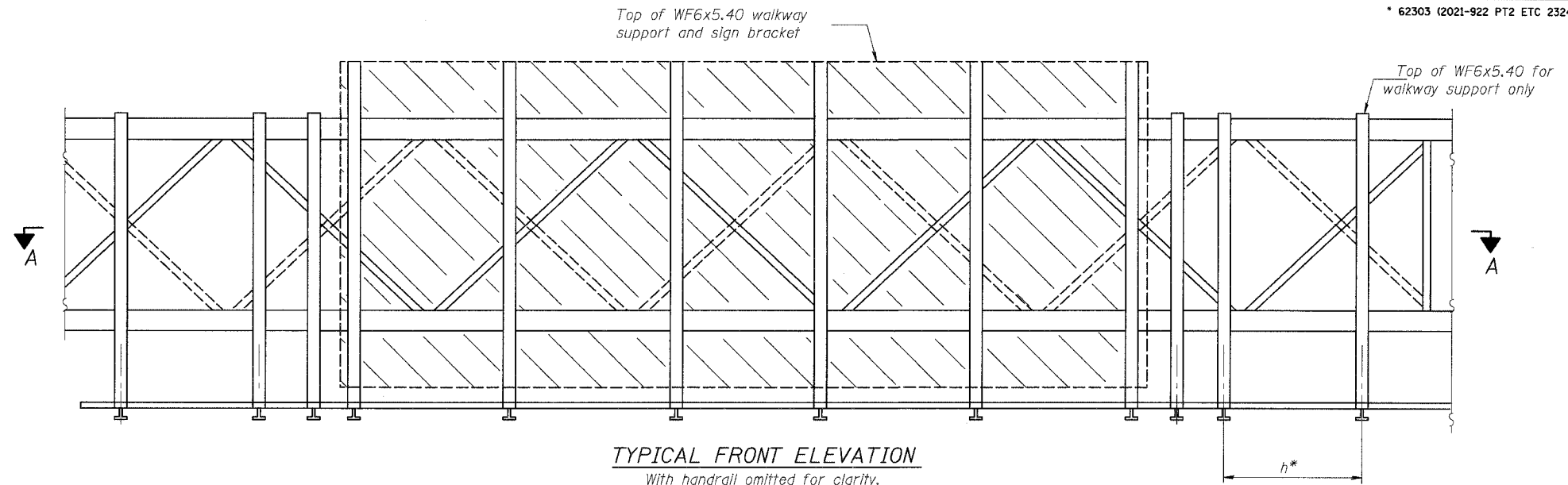
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. RTE. 90/94		COOK	588	278
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-		

* 62303 (2021-922 PT2 ETC 2324.6-IP) R-11



PLAN
WALKWAY AND HANDRAIL SKETCH
(Road plan beneath truss varies)



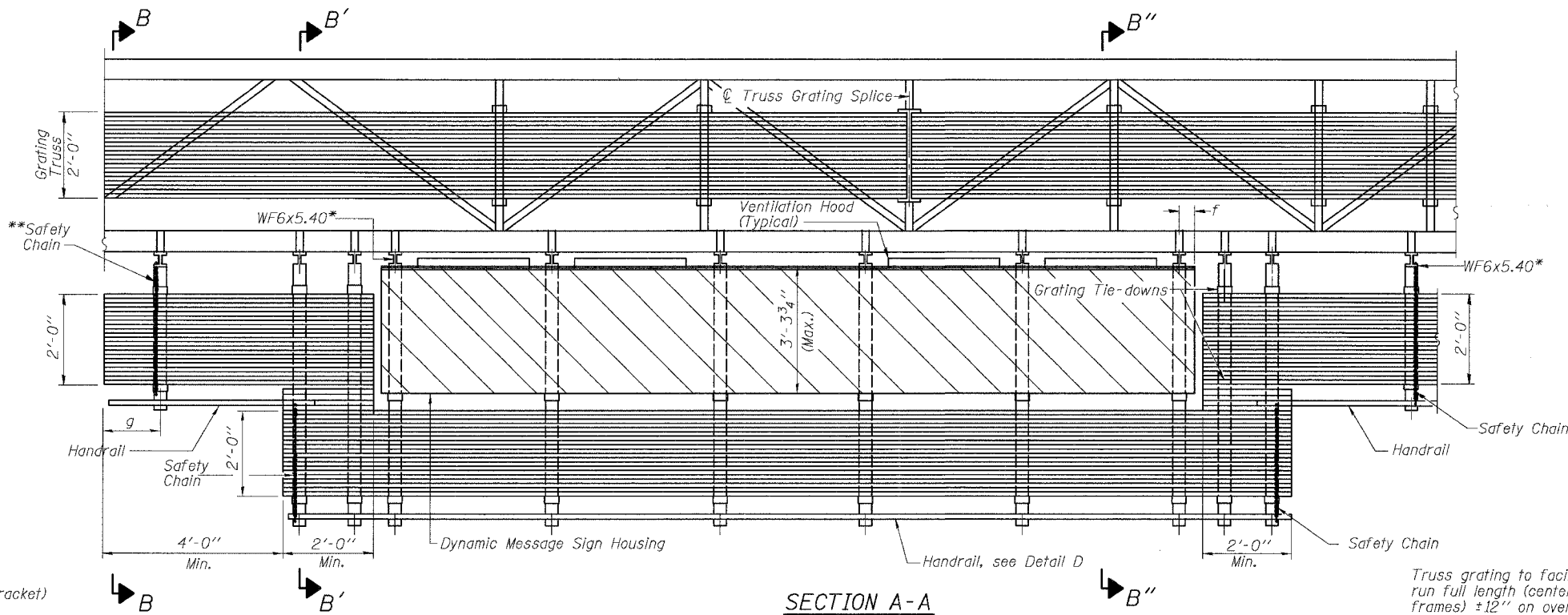
TYPICAL FRONT ELEVATION

With handrail omitted for clarity.
For Section B-B, see Base Sheet OS-A-10-DMS2
For Section B'-B', and B''-B'', see Base Sheet OS-A-10a-DMS2

Walkway and Truss Grating width dimensions are nominal and may vary ±2" based on available standard widths.

BRACKET TABLE

WF6x5.40 ASTM B308, Alloy 6061-T6	
Sign Width	Number Brackets Required
26'-1"	6



SECTION A-A

Notes: *Space WF6x5.40 brackets for efficiency and within limits shown:

f = 12" maximum, 4" minimum (End of sign to center of nearest bracket)

g = 12" maximum, 4" minimum (End of walkway grating to center of nearest support bracket)

h = 6'-0" maximum (center to center of walkway support brackets, WF6x5.40)

**If walkway bracket at safety chain location is behind sign, add angle to bracket, see Alternate Safety Chain Attachment on Base Sheet OS-A-11-DMS2

For Details T and W, Section B-B and Grating Splice Details, see Base Sheet OS-A-10-DMS2.
For Details D, F, G and P and Handrail Splice Details, see Base Sheet OS-A-11-DMS2.

Handrail and walkway shall span a minimum of three brackets between splices and/or gap joints.
Place all sign and walkway brackets as close to panel points as practical.
Grating and handrail splices placed as needed.

Truss grating to facilitate inspection shall run full length (center to center of support frames) ±12" on overhead trusses. Cost of truss grating is included in "Overhead Sign Structure"

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**OVERHEAD SIGN STRUCTURES
ALTERNATE ALUMINUM WALKWAY DETAILS**

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
OVERHEAD SIGN STRUCTURES
(SPAN)

DESIGNED	MSA
CHECKED	AS/AC
DRAWN	RV
CHECKED	MSA

EXAMINED	20
PASSED	ENGINEER OF STRUCTURAL SERVICES
	ENGINEER OF BRIDGES AND STRUCTURES

NUMBER	REVISION	DATE

Structure Number	Station	a	b	c	d	e	Walkway Grating and Handrail Lengths
ISO16I094R055.64	3586+50	4'-10 1/2"	12'-8 1/2"	34'-7"	12'-2 1/2"	22'-7 1/2"	59'-6"
ISO16I094R057.8	3475+92.44	4'-1 1/16"	4'-0"	30'-1"	4'-11 1/2"	6'-3 13/16"	39'-0 1/2"

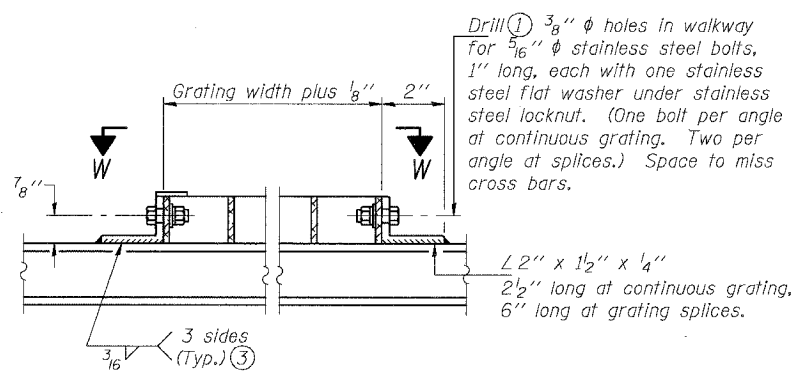
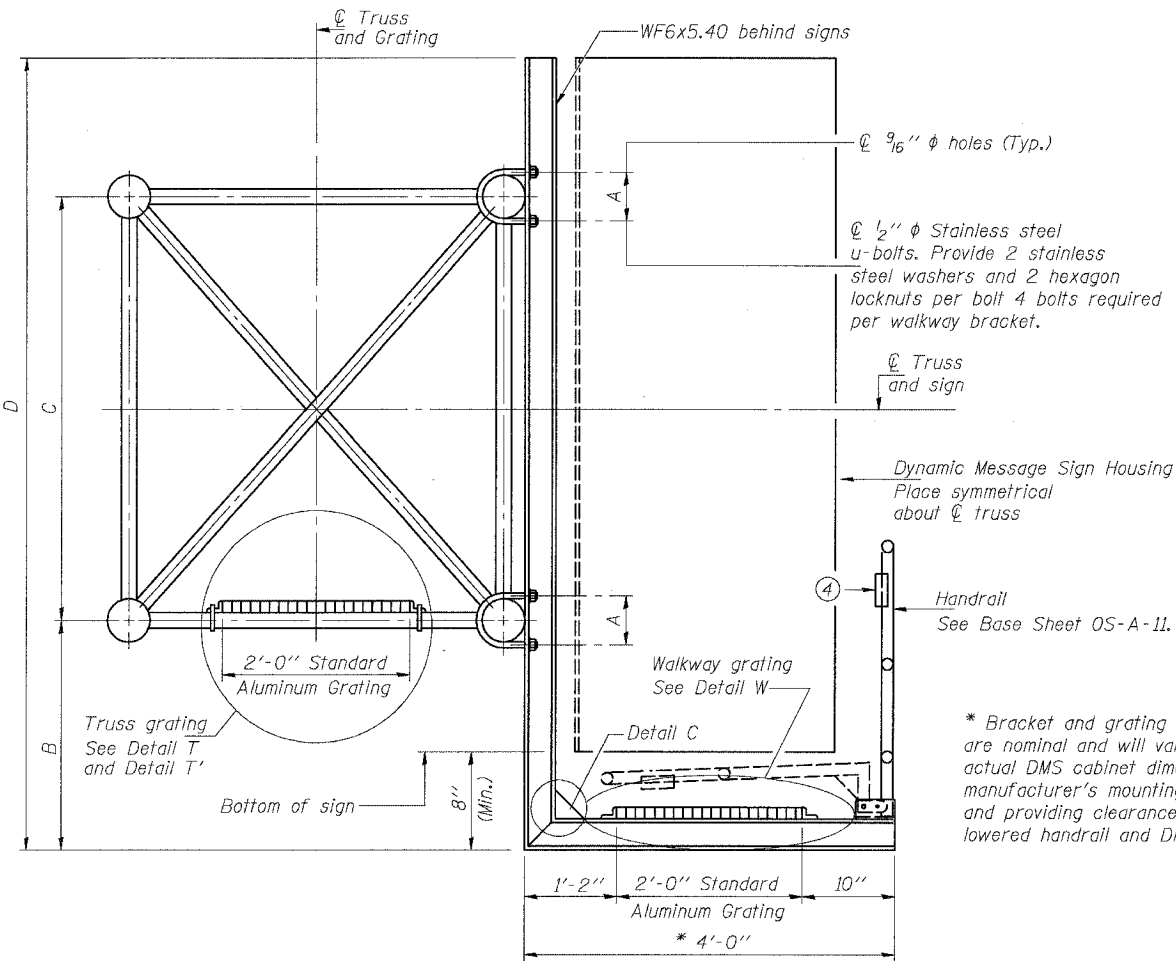
OS-A-9-DMS2 7/1/2001

6/8/2006 12:25:35 PM

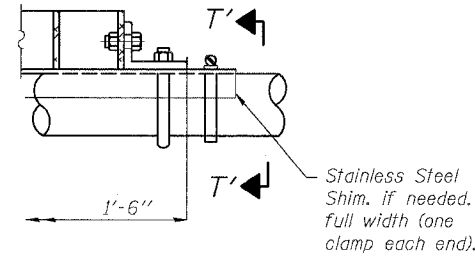
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. RTE. 90/94		COOK	568	279
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-		

* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11

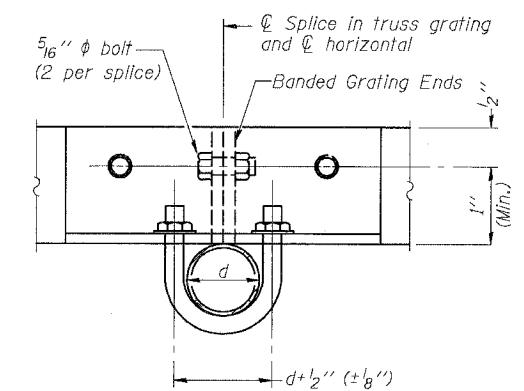


DETAIL W
(Walkway grating)

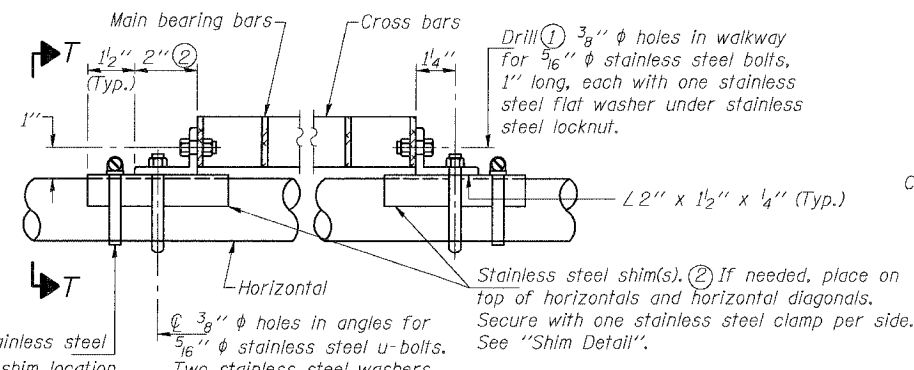


DETAIL T'

(Truss grating splice)
Details not shown same as Detail T.
Alternate materials may be used subject to the Engineer's review and approval.

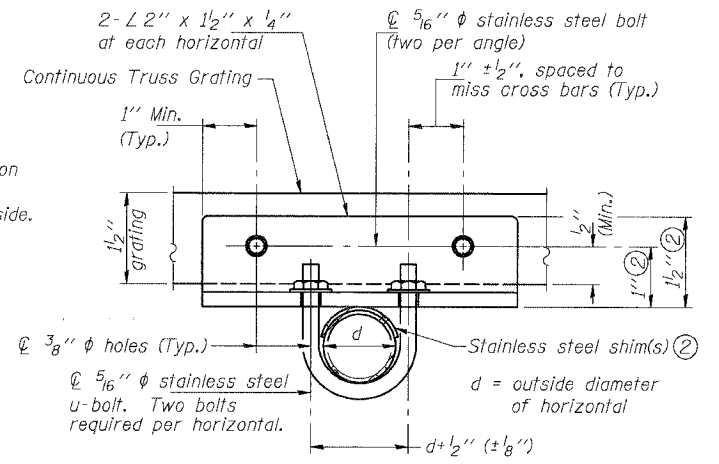


SECTION T'-T'



DETAIL T

(Continuous Truss grating)



SECTION T-T

SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars shall be 3/16\" x 1 1/2\" on 1 3/16\" centers and conform to ASTM B211 Alloy 6061-T6.

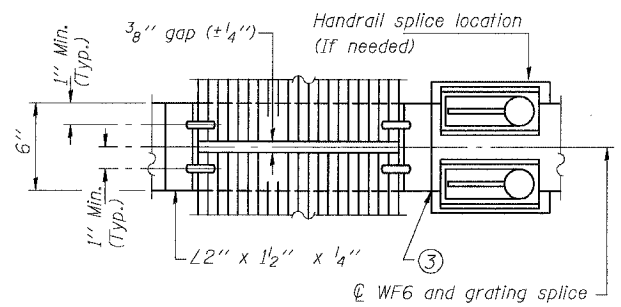
Cross bars shall be 3/16\" x 1 1/2\" on 4\" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR

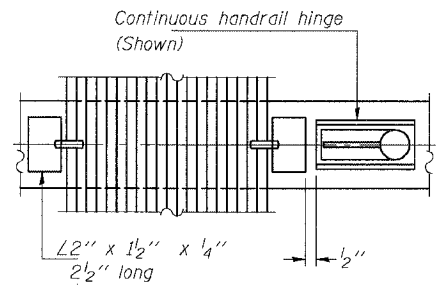
Aluminum Grating with modified \"T\" sections for main bearing bars shall meet the following requirements:

Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 in.³ per bar, a depth of 1 1/2\", spaced on 1 3/16\" centers.

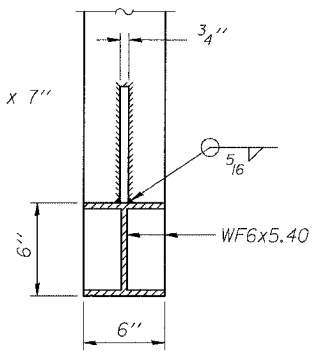
Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4\" centers.



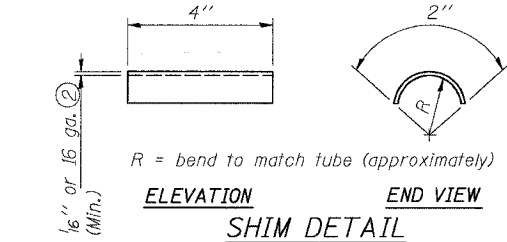
(AT WALKWAY GRATING SPLICE)



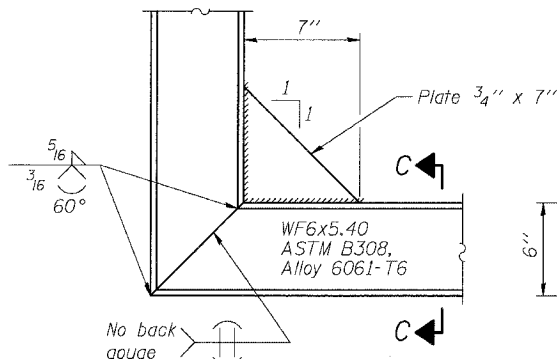
SECTION W-W



SECTION C-C



SHIM DETAIL



DETAIL C

(See Detail P, Base Sheet OS-A-11-DMS2.)

DESIGNED	MSA
CHECKED	AS/AC
DRAWN	RV
CHECKED	MSA

EXAMINED	20
PASSED	ENGINEER OF STRUCTURAL SERVICES
	ENGINEER OF BRIDGES AND STRUCTURES

NUMBER	REVISION	DATE

**OVERHEAD SIGN STRUCTURES
ALTERNATE ALUMINUM WALKWAY DETAILS**

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)

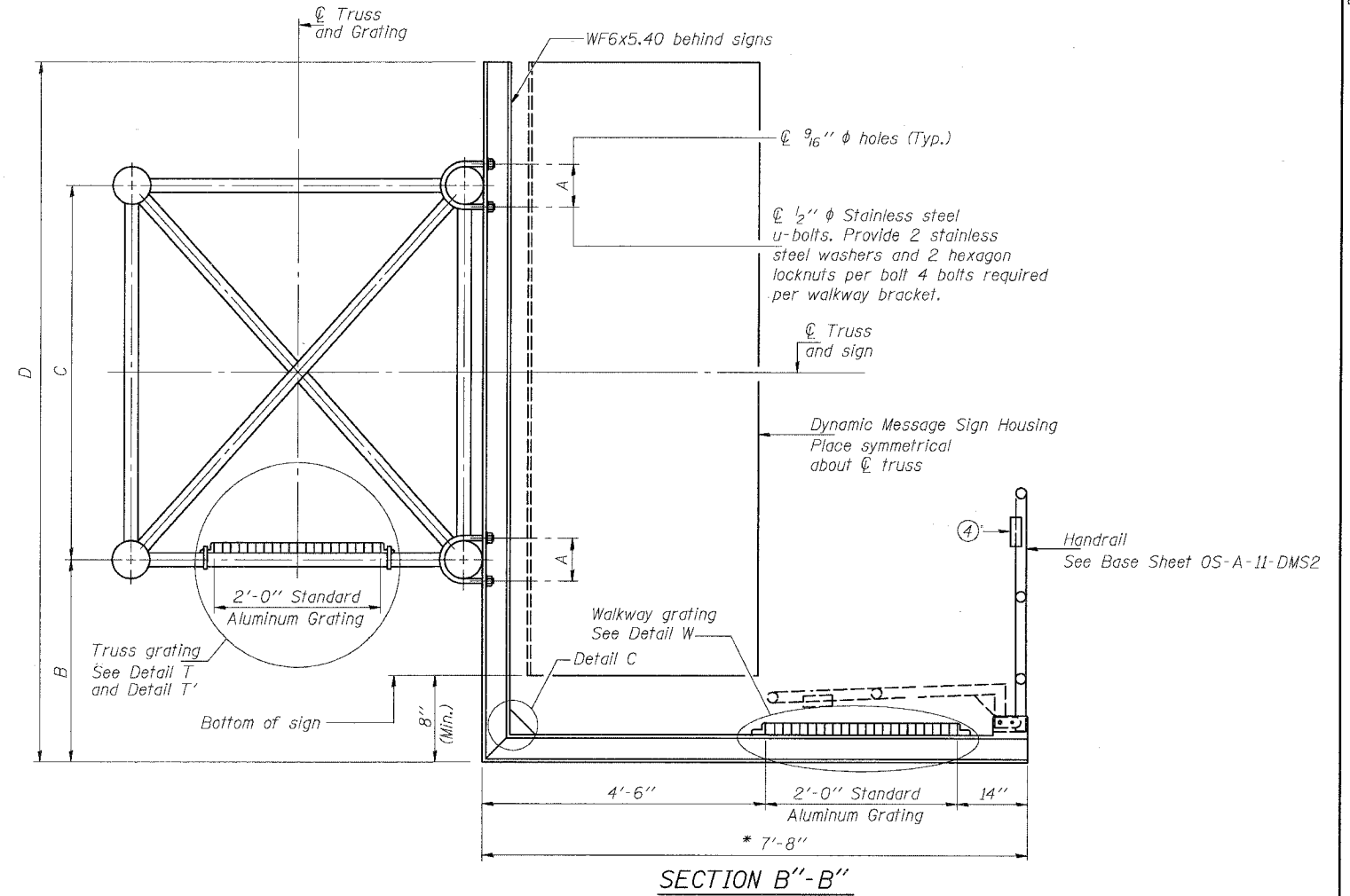
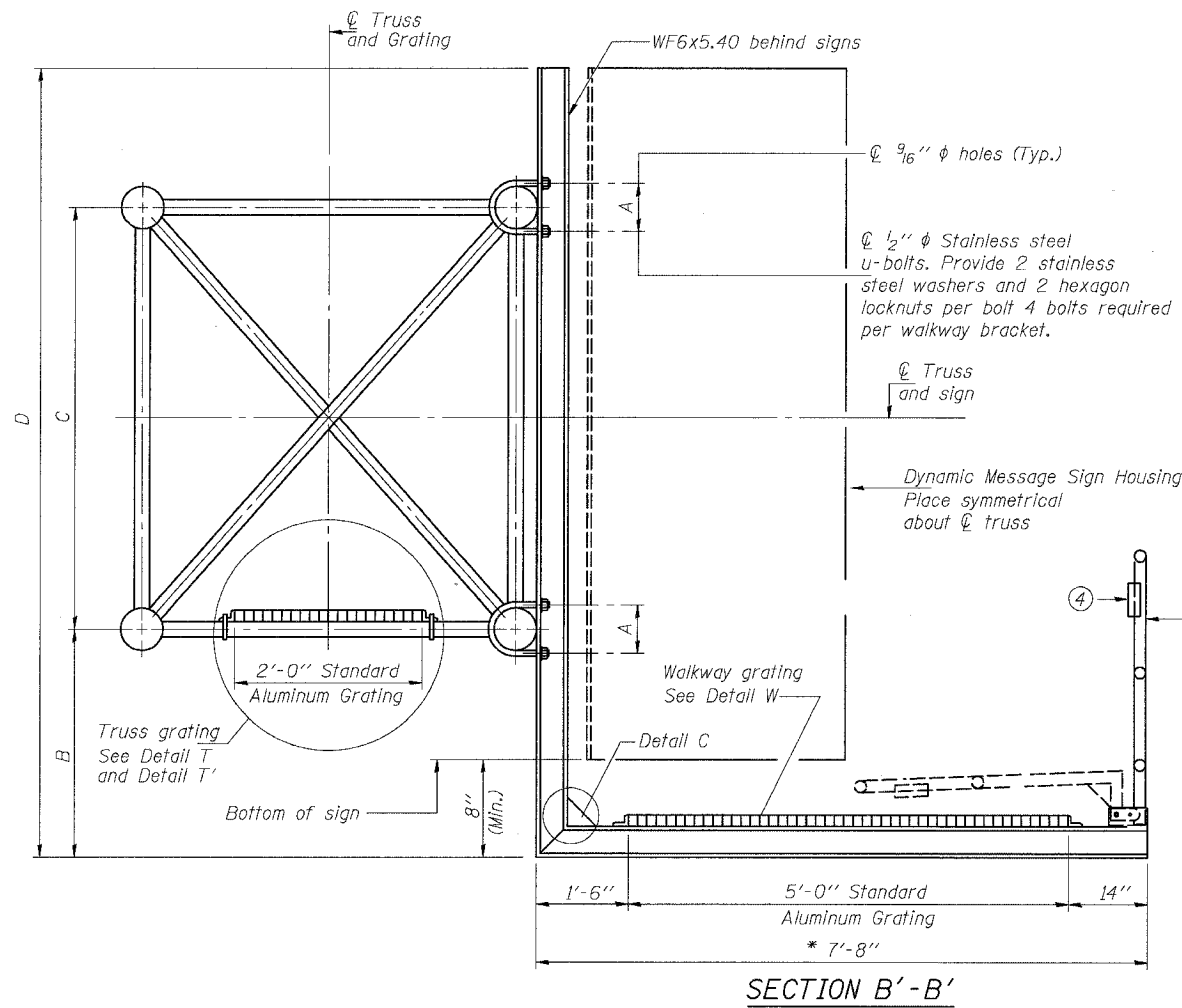
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
OVERHEAD SIGN STRUCTURES
(SPAN)

6/8/2006 12:25:38 PM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. RTE. 90/94	*	COOK	588	280
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-		

* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11



* Bracket and grating dimensions are nominal and will vary based on actual DMS cabinet dimensions plus manufacturer's mounting devices, and providing clearance between the lowered handrail and DMS cabinet.

Note:
For dimensions "A" to "D" and remaining details, see sheet OS-A-10-DMS2

NUMBER	REVISION	DATE

DESIGNED	MSA	20
CHECKED	AS/AC	EXAMINED
DRAWN	RV	PASSED
CHECKED	MSA	ENGINEER OF BRIDGES AND STRUCTURES

OS-A-10a-DMS2 7/1/2001

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**OVERHEAD SIGN STRUCTURES
ALTERNATE ALUMINUM WALKWAY DETAILS**

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)

GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)

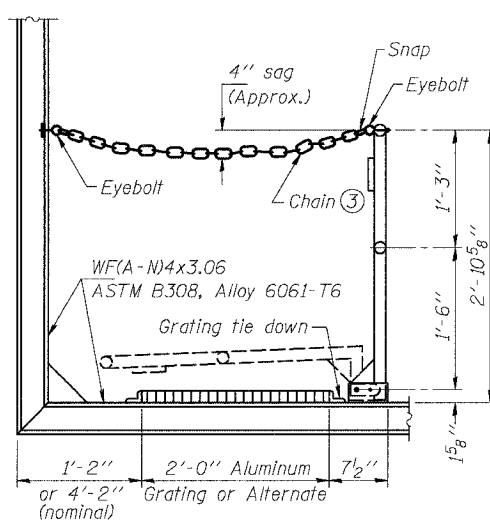
OVERHEAD SIGN STRUCTURES
(SPAN)

6/8/2006 12:25:38 PM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

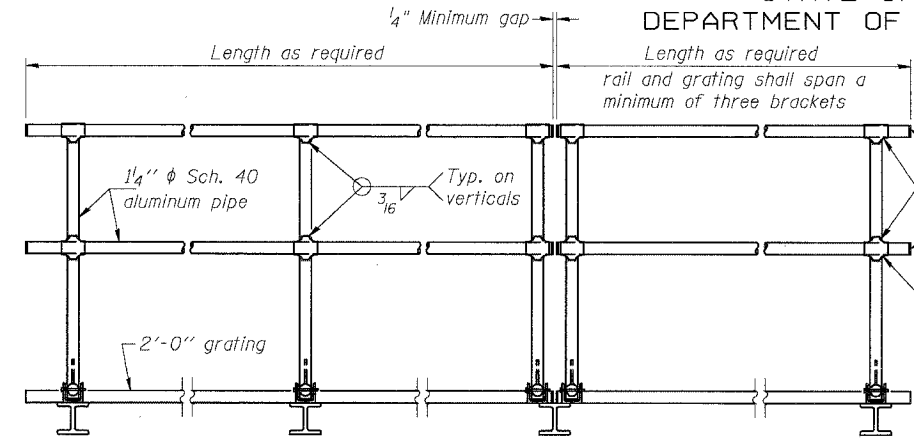
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. RTE. 90/94	*	COOK	588	281
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-		

* 62303 (2021-922 PT2 ETC 2324.6-IP) R-11



SIDE ELEVATION

(Showing safety chain w/o sign)



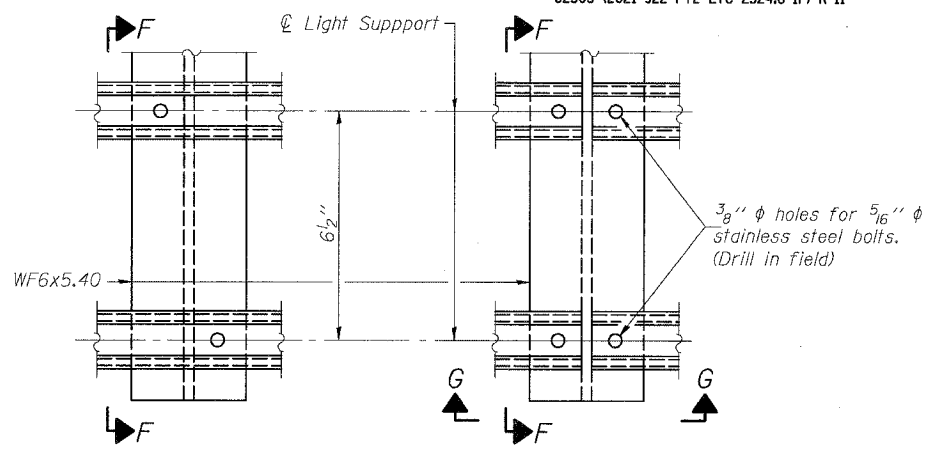
FRONT ELEVATION

HANDRAIL DETAILS

Handrail pipe shall be ASTM B241, Alloy 6063-T6 or Alloy 6061-T6.

① Install standard force-fit end caps or weld 1/8 inch end plates with 1/8 inch c.f.w. and grind smooth. (All rail ends)

② Horizontal handrail member shall be continuous thru fitting. Provide 7/16 inch hole in fitting for 3/8 inch bolt. Field drill 7/16 inch hole in horizontal rail member. Provide washer and locknut for bolt. (Use 5/16 inch eyebolts in 7/16 inch holes on top rail at ends only.)



DETAIL F

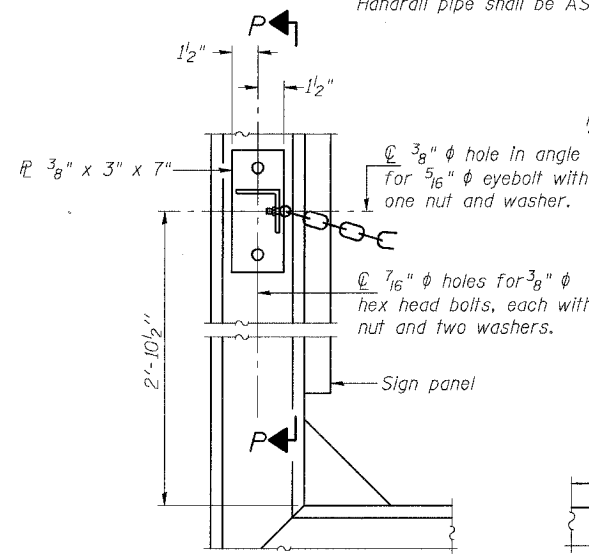
DETAIL G

SECTION F-F

SECTION G-G

LIGHTING FIXTURE MOUNTS (IF REQUIRED)

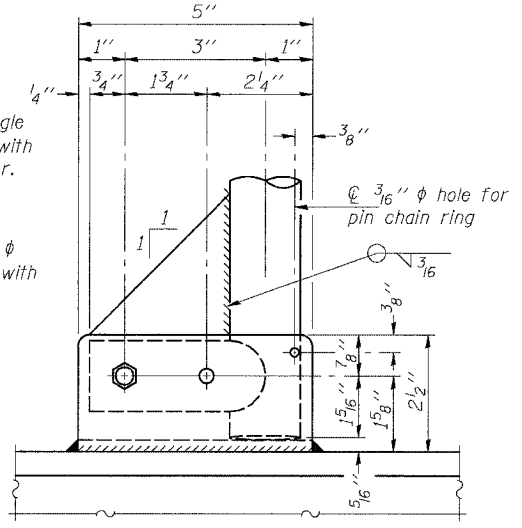
⑤ Field cut ends of light support channels shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.



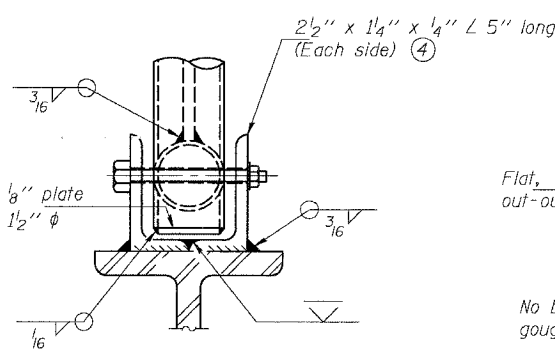
ALTERNATE SAFETY CHAIN ATTACHMENT

(With Sign Present)

Items not shown same as "Side Elevation" of "Handrail Details"

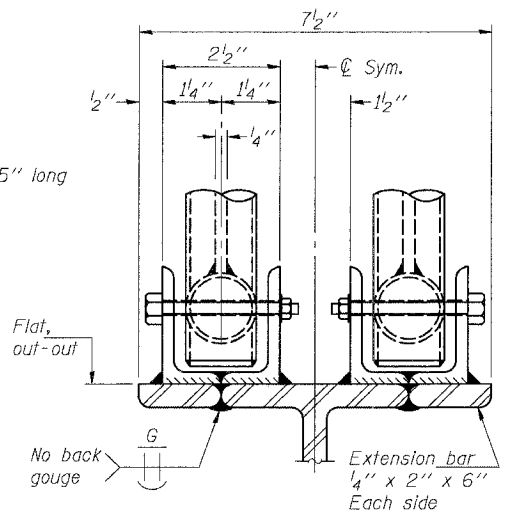


SIDE ELEVATION

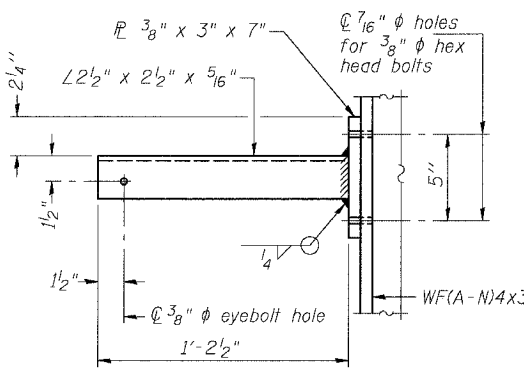


FRONT ELEVATION

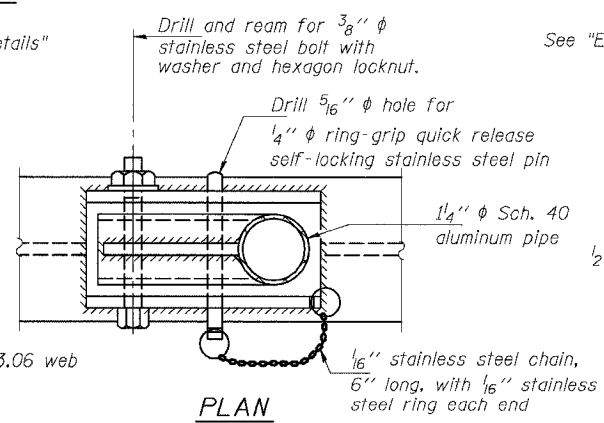
See "ELEVATION" at right for dimensions.



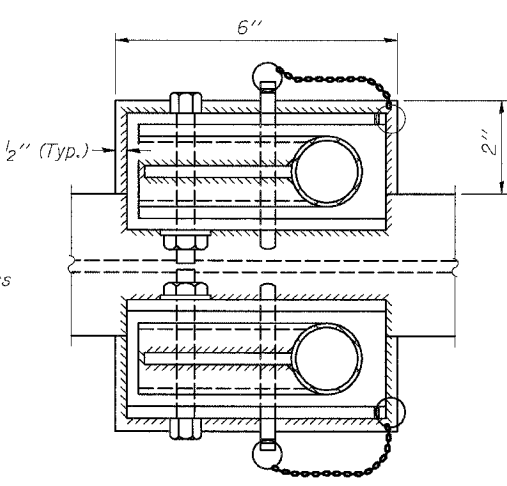
ELEVATION AT HANDRAIL JOINT ④



SECTION P-P

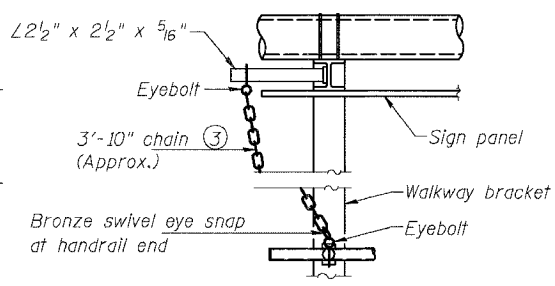


**PLAN
DETAIL E HANDRAIL HINGE**



PLAN AT HANDRAIL JOINT

Details not shown same as "PLAN"

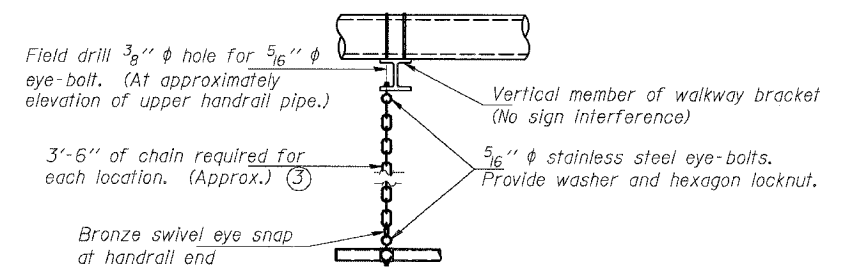


ALTERNATE SAFETY CHAIN ATTACHMENT

Details not shown similar to "Safety Chain" Details (Walkway omitted for clarity)

③ 3/16 inch galvanized steel chain, approximately 12 links per foot. Chain to be hot dip galvanized after manufacture and suitable for prolonged exterior exposure. Alternate materials may be substituted with the Engineer's approval.

④ Extrusions may be used in lieu of the details shown, with approval of the Engineer.



SAFETY CHAIN

One required for each end of each walkway.

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**OVERHEAD SIGN STRUCTURES
ALTERNATE ALUMINUM HANDRAIL DETAILS**

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)

GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)

**OVERHEAD SIGN STRUCTURES
(SPAN)**

DESIGNED	MSA
CHECKED	AS/AC
DRAWN	RV
CHECKED	MSA

EXAMINED	20
PASSED	ENGINEER OF STRUCTURAL SERVICES
	ENGINEER OF BRIDGES AND STRUCTURES

NUMBER	REVISION	DATE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

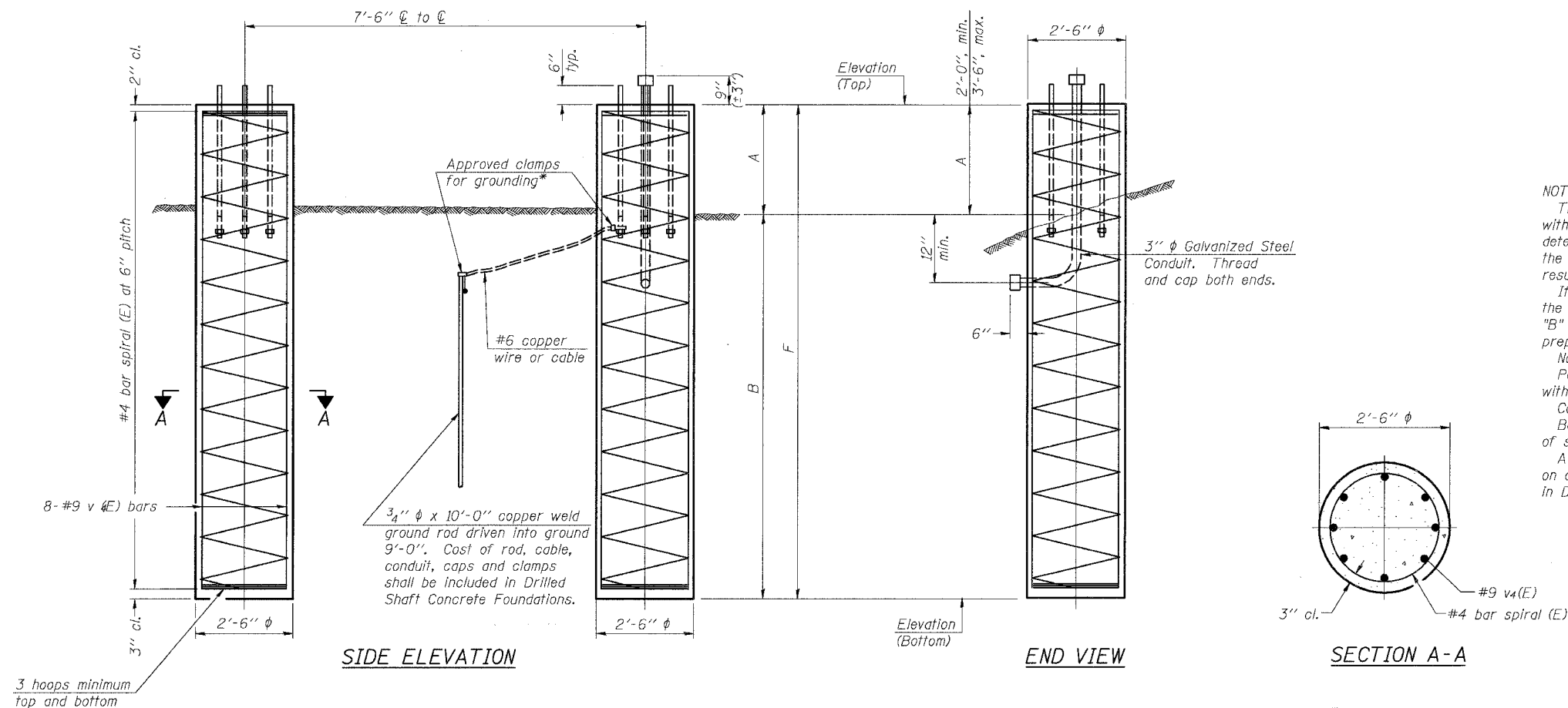
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
94/90	*	COOK	588	282	- SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		
* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11					

For anchor rod size and placement, see Support Frame Detail Sheet.

* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4(E)	16	#9	F less 5"	
#4 bar spiral (E) - see Side Elevation				



NOTES:

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.

If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

No sonotubes or decomposable forms shall be used below the lower conduit entrance.

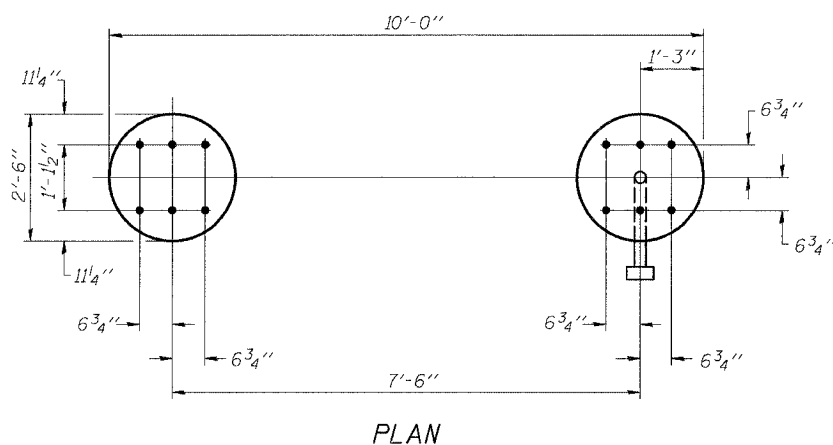
Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Bridge Seal Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Drilled Shaft Concrete Foundation.

* Foundation built in Contract 62302



Structure Number	Station	Left Foundation *					Right Foundation					Class SI Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	A	B	F	Elevation Top	Elevation Bottom	A	B	F	
IS0161094R057.4	3493+30	---	---	---	---	---	11.98'	-0.02'	2.0'	10.0'	12.0'	4.4
IS0161094R056.02	3566+30	---	---	---	---	---	-0.25'	-17.25'	2.50'	14.50'	17.00'	6.2
IS0161094R055.46	3596+00	---	---	---	---	---	15.70'	-0.30'	2.50'	13.50'	16.00'	5.8
IS0161094R055.08	3616+00	---	---	---	---	---	7.00'	-10.00'	2.50'	14.50'	17.00'	6.2

DESIGNED	MSA	20
CHECKED	AS	EXAMINED
DRAWN	RV	PASSED
CHECKED	MSA	ENGINEER OF BRIDGES AND STRUCTURES

NUMBER	REVISION	DATE

DETAILS FOR 8" φ SUPPORT FRAME
TYPE I-A TRUSS

OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)

OVERHEAD SIGN STRUCTURES
(SPAN)

SGN-32

OS4-F2

1-7-05

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. - SHEETS
94/90	*	COOK	588	283	-
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT -		

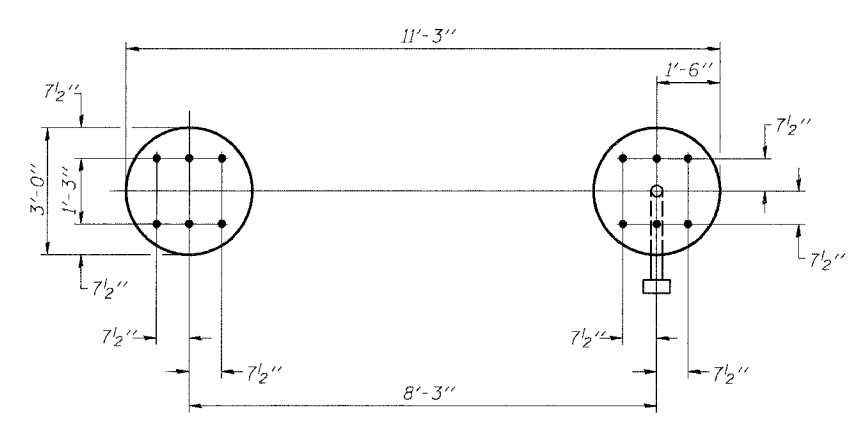
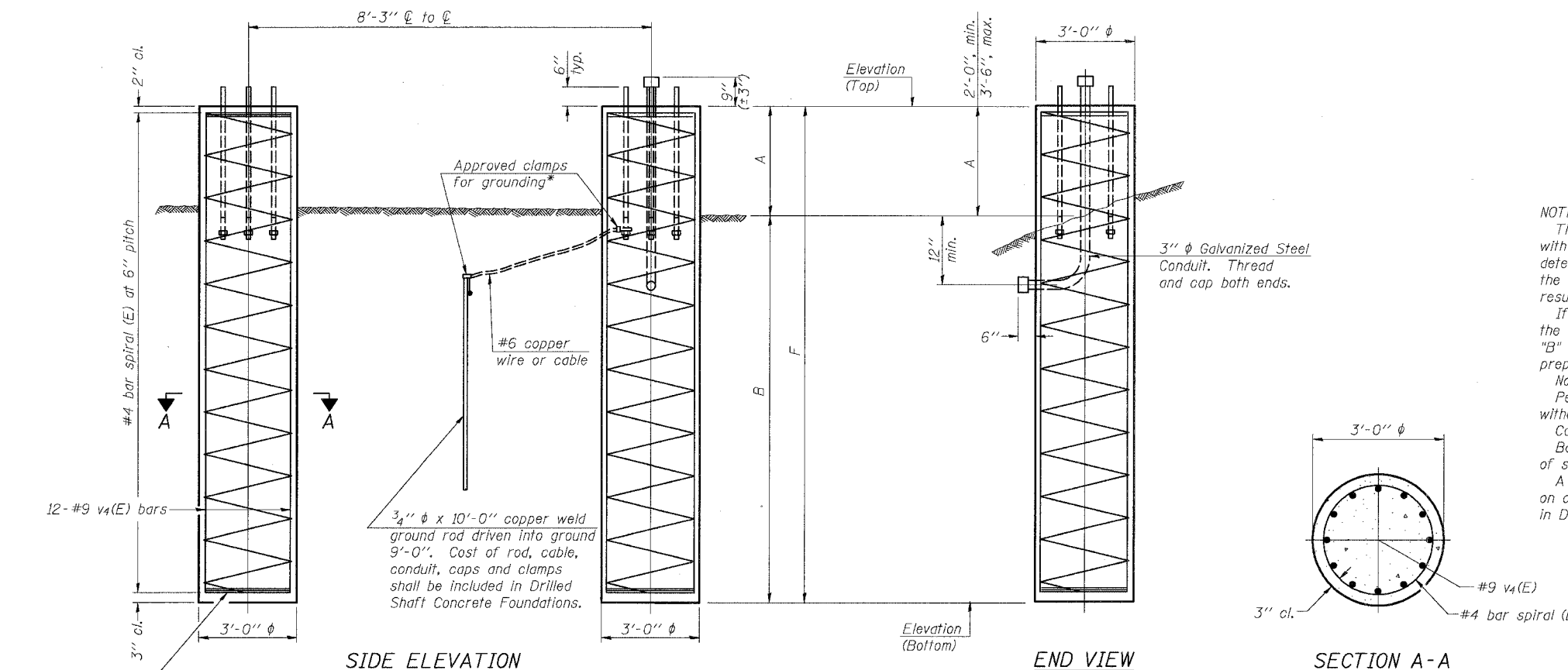
* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4(E)	24	#9	F less 5"	—
#4 bar spiral (E) - see Side Elevation				

NOTES:
The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Q_u) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.
If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.
No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.
Concrete shall be placed monolithically, without construction joints.
Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.
A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Drilled Shaft Concrete Foundation.

For anchor rod size and placement, see Support Frame Detail Sheet.
* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.



* Foundation built in Contract 62302

Structure Number	Station			Left Foundation *			Right Foundation			Class SI Concrete (Cu. Yds.)		
		Elevation Top	Elevation Bottom	A	B	F	Elevation Top	Elevation Bottom	A		B	F
ISO16I094R057.1	3511+00	9.06'	-11.11'	2.67'	17.5'	20.17'	12.48'	-7.03'	2.00'	17.5'	19.5'	20.8
ISO16I094R056.8	3524+00	---	---	---	---	---	5.92'	-13.58'	2.00'	17.5'	19.50'	10.2
ISO16I094R056.67	3532+00	---	---	---	---	---	8.80'	-10.2'	2.50'	16.50'	19.00'	10.0
ISO16I094R056.47	3543+00	---	---	---	---	---	10.45'	-8.55'	2.50'	16.50'	19.00'	10.0

DESIGNED	MSA	EXAMINED	20
CHECKED	AS	PASSED	
DRAWN	RV		
CHECKED	MSA		

NUMBER	REVISION	DATE

DETAILS FOR 10" φ SUPPORT FRAME
TYPE I-A or II-A TRUSS

OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)

OVERHEAD SIGN STRUCTURES
(SPAN)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	STREET	SHEET NO.	SHEET NO.
94/90	*	COOK	588	284	- SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

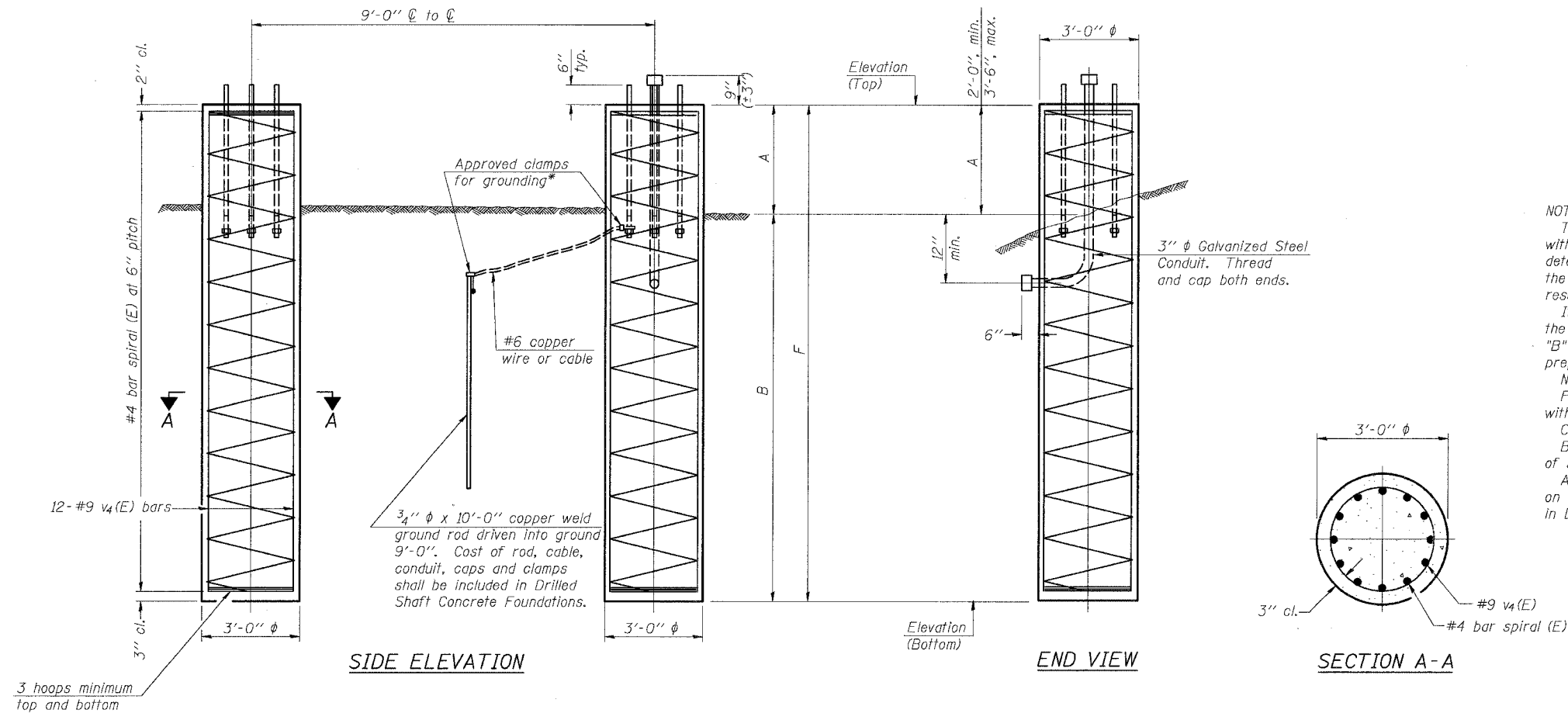
* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11

BAR LIST - EACH FOUNDATION

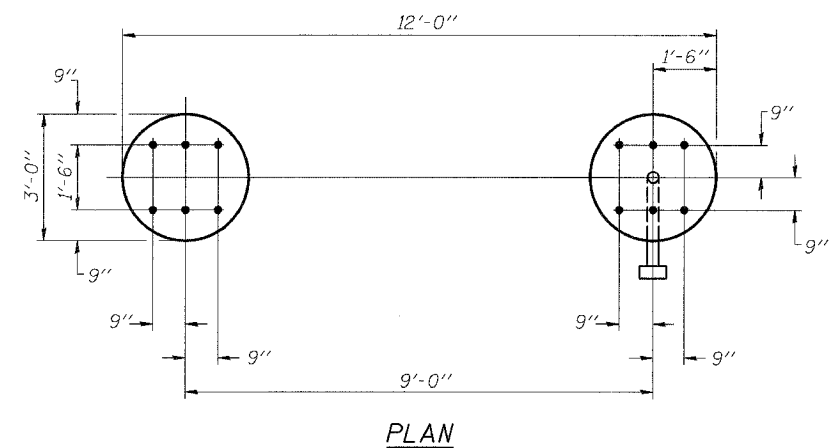
Bar	Number	Size	Length	Shape
v ₄ (E)	24	#9	F less 5"	—
#4 bar spiral (E) - see Side Elevation				

For anchor rod size and placement, see Support Frame Detail Sheet.

* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.



NOTES:
The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Q_u) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.
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No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.
Concrete shall be placed monolithically, without construction joints.
Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.
A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Drilled Shaft Concrete Foundation.



* Foundation built in Contract 62302

Structure Number	Station	Elevation Top	Elevation Bottom	Left Foundation *			Right Foundation			Class SI Concrete (Cu. Yds.)		
				A	B	F	Elevation Top	Elevation Bottom	A		B	F
1S0161094R057.8	3575+92.44	----	----	----	----	----	2.11'	-19.77'	3.88'	18.00'	21.88'	11.5
1S0161094R055.64	3586+50	----	----	----	----	----	9.80'	-10.70'	2.50'	18.00'	20.50'	10.7

DESIGNED	MSA	EXAMINED	20
CHECKED	AS	PASSED	ENGINEER OF STRUCTURAL SERVICES
DRAWN	RV		ENGINEER OF BRIDGES AND STRUCTURES
CHECKED	MSA		

NUMBER	REVISION	DATE

DETAILS FOR 12" Ø SUPPORT FRAME
TYPE III-A TRUSS

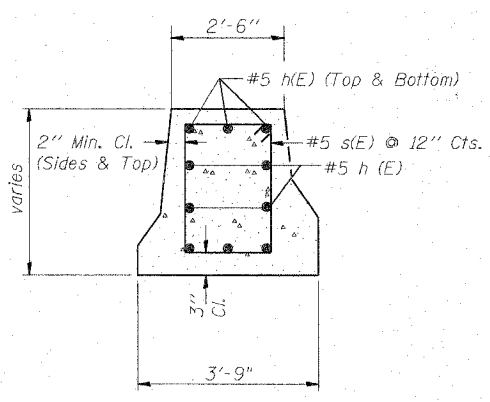
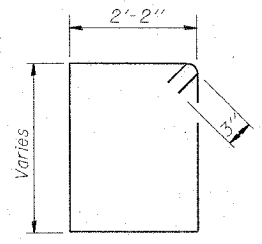
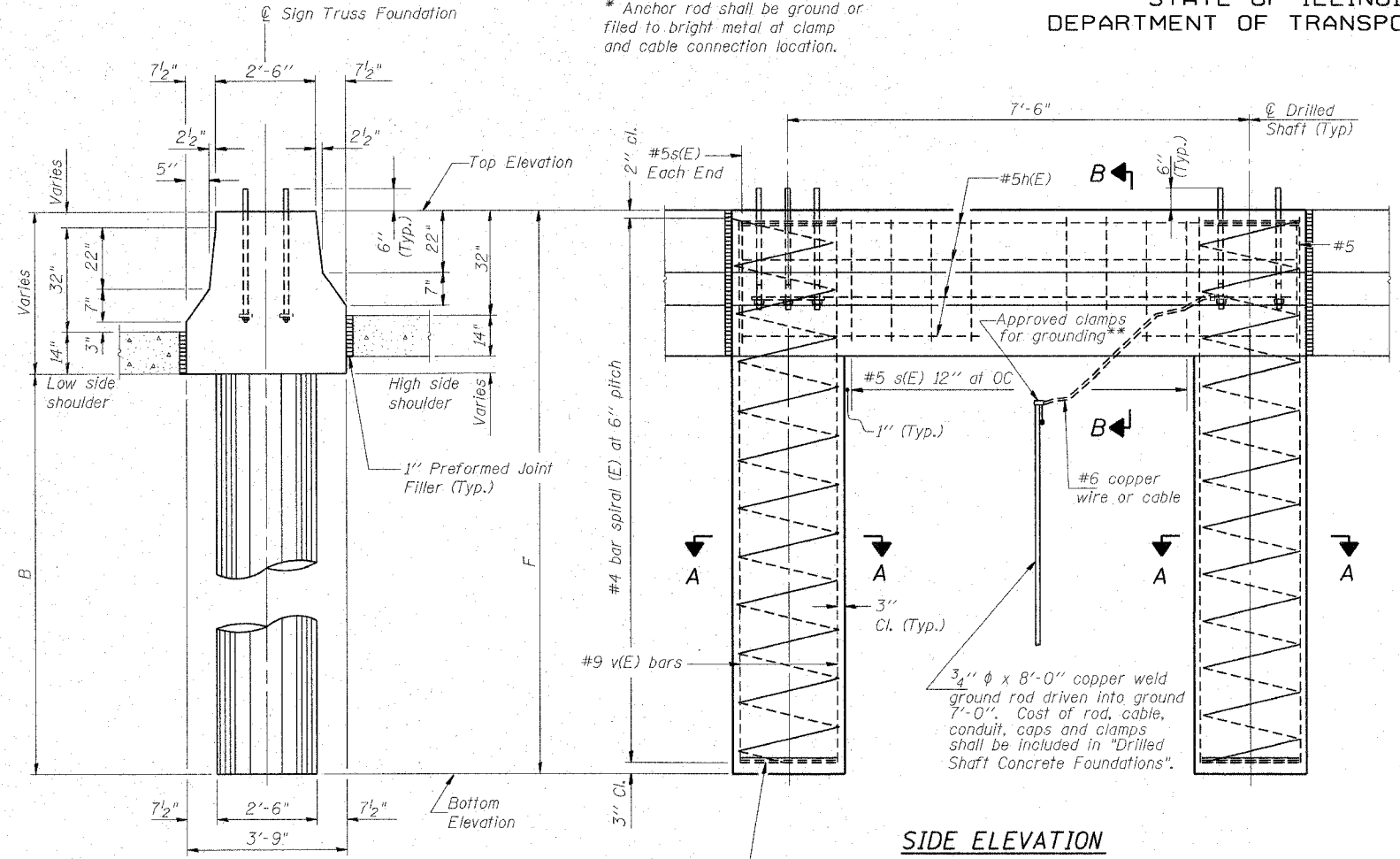
OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
OVERHEAD SIGN STRUCTURES
(SPAN)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. RTE. 90/94	*	COOK	588	285
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT-	
* (B18, ETC. 2324.6-1P) R-11				E2303

* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.



NOTES:

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.

If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

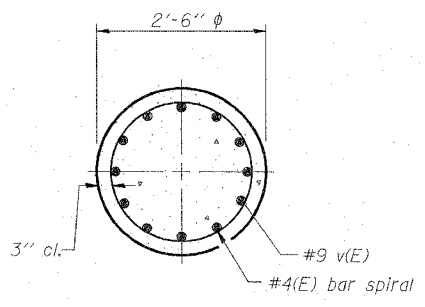
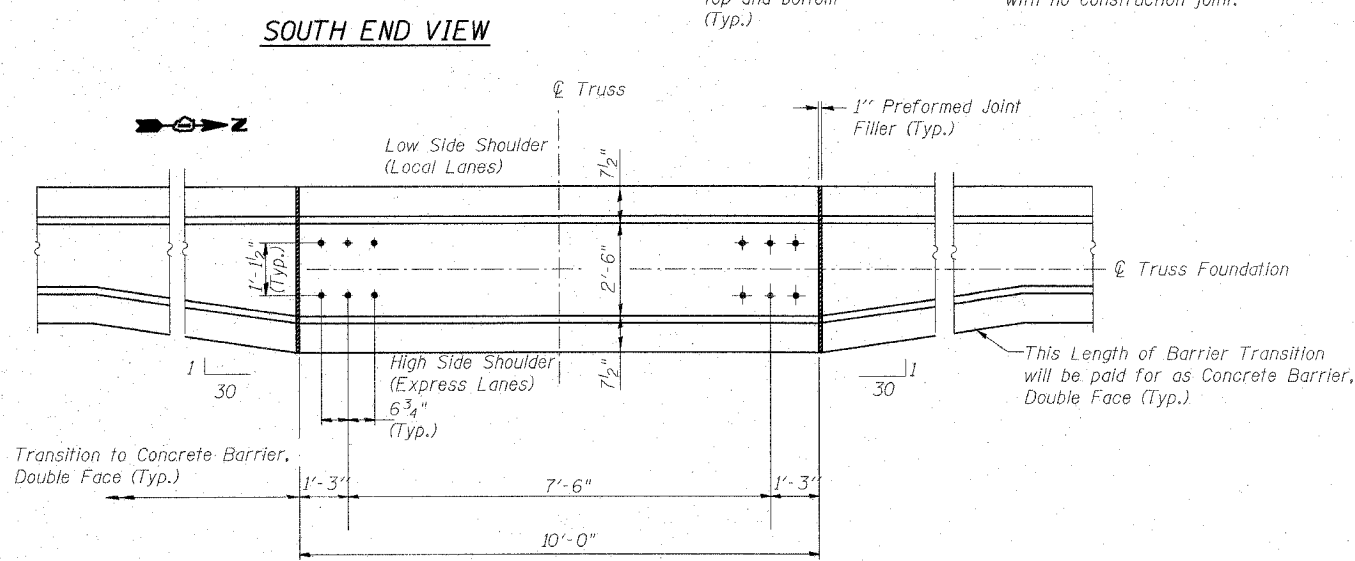
A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in "Drilled Shaft Concrete Foundation".

Face of median support foundation shall match dimensions of permanent barrier wall F shape.

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
h(E)	10	#5	9'-8"	—
s(E)	9	#5	Varies	□
v(E)	24	#9	F less 0'-5"	—
#4(E) bar spiral - see Side Elevation				

Structure Number	Station	Left Foundation				Right Foundation				Class SI Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	B	F	Elevation Top	Elevation Bottom	B	F	
ISO161094R057.4	3493+30.00	10.05'	-4.58'	10.0'	14.63'	----	----	----	----	9.1



DESIGNED	JSS	EXAMINED	20
CHECKED	MJP	PASSED	ENGINEER OF STRUCTURAL SERVICES
DRAWN	JSS		ENGINEER OF BRIDGES AND STRUCTURES
CHECKED	MJP		

MODIFIED BY CTE ENGINEERS, INC. FROM OS4-MED

SGN-33

**OVERHEAD SIGN STRUCTURES
MEDIAN SUPPORT FOUNDATION DETAILS**

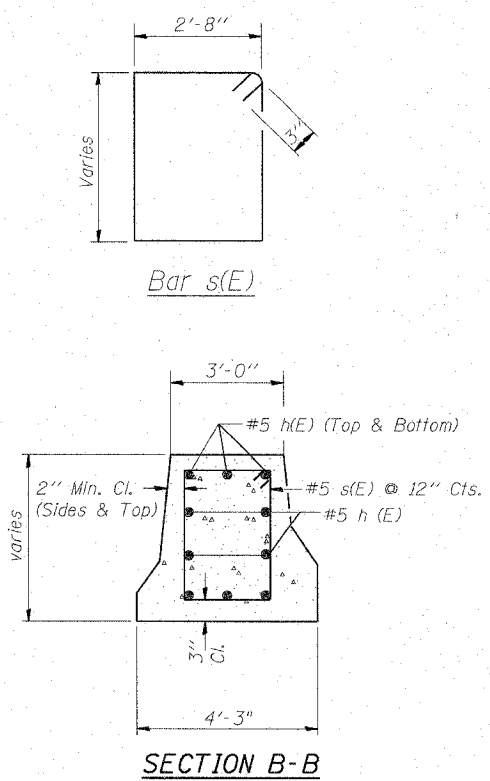
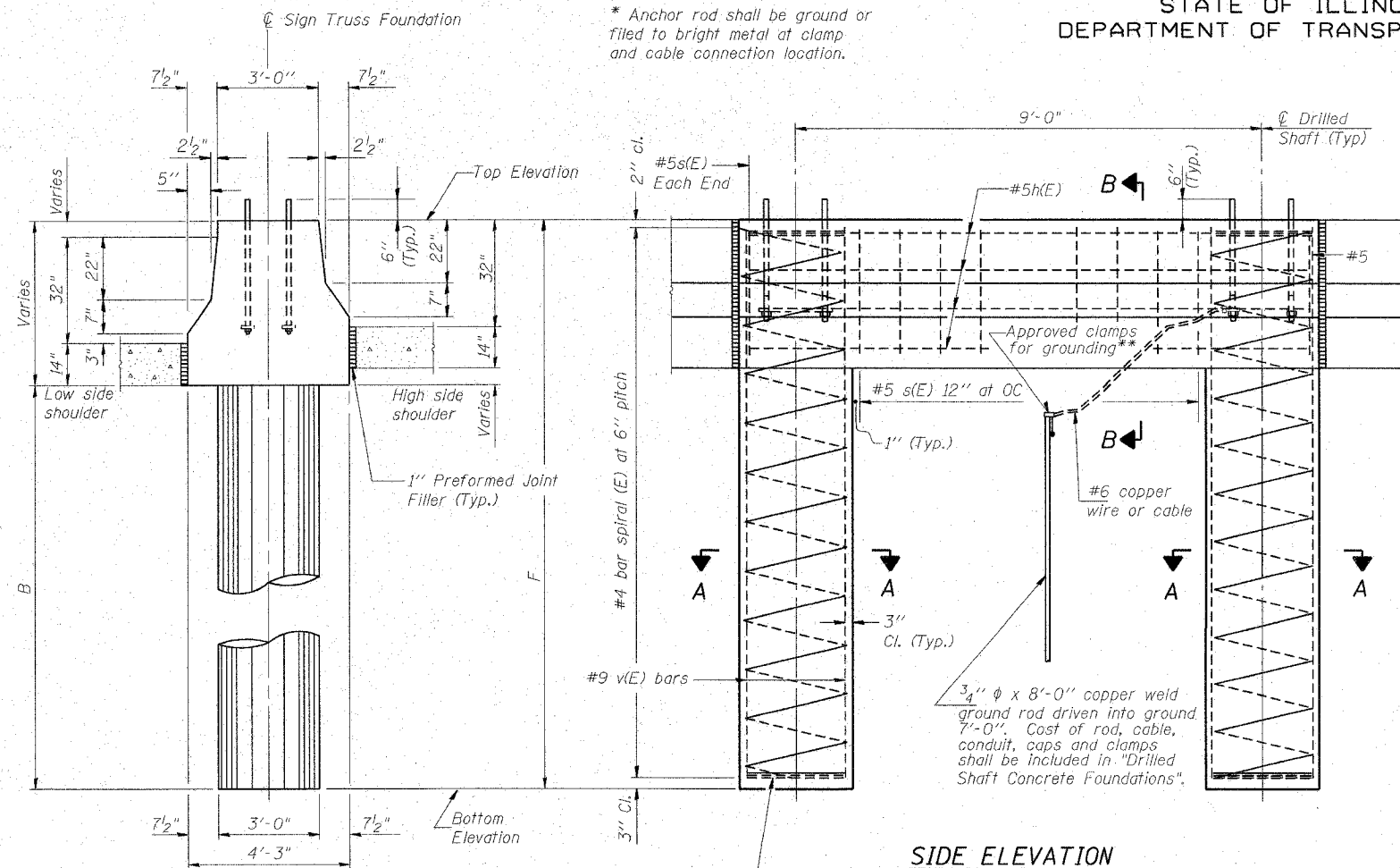
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
PROPOSED IMPROVEMENT

DOUBLE FACE MEDIAN SUPPORT FOUNDATION

6/7/2006 11:42:52 AM P:\4468\CHIN\8-Chrs 18 & 19\SF\CH\19\Signing\SS190303245H

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. RTE. 90/94	-	COOK	588	286
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
* (B18, ETC, 2524.6-1P) R-11				62303



NOTES:

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (q_u) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.

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Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

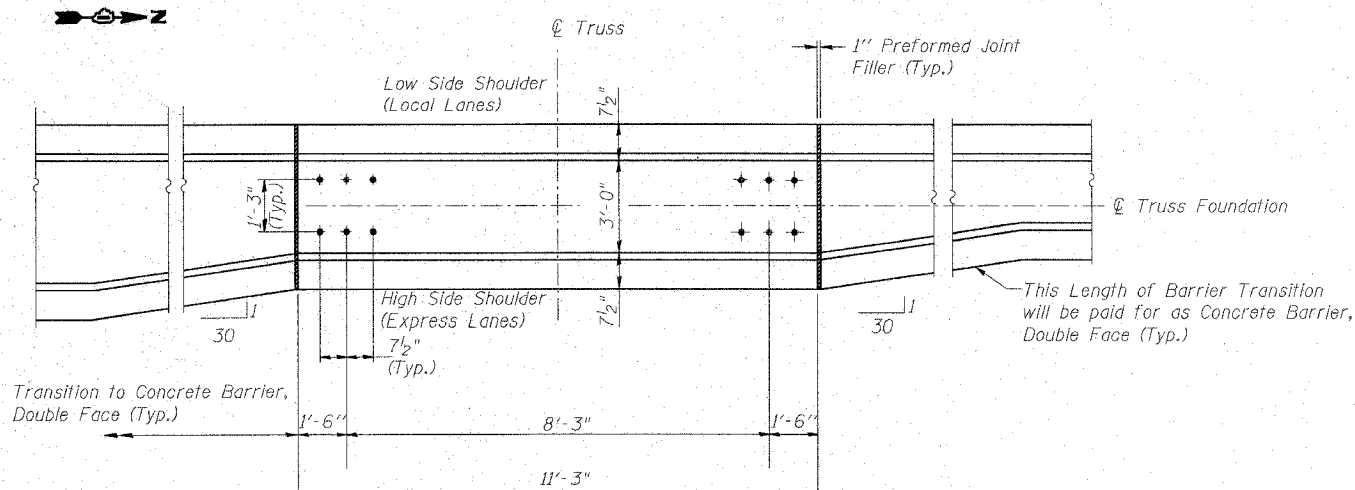
A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in "Drilled Shaft Concrete Foundation".

Face of median support foundation shall match dimensions of permanent barrier wall F shape.

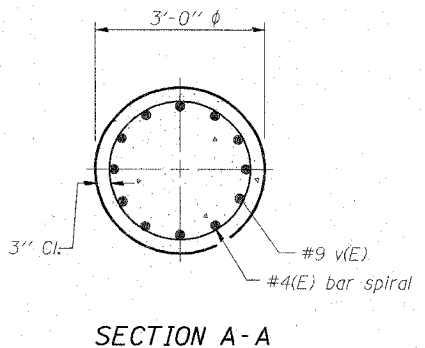
BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
h(E)	10	#5	10'-11"	—
s(E)	8	#5	Varies	□
v(E)	24	#9	F less 0'-5"	—
#4(E) bar spiral - see Side Elevation				

SOUTH END VIEW



PLAN



SECTION A - A

LEFT FOUNDATION USES SINGLE FACE MEDIAN SUPPORT FOUNDATION

Structure Number	Station	Left Foundation				Right Foundation				Class SI Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	B	F	Elevation Top	Elevation Bottom	B	F	
ISO161094R056.8	3524+00.00	3.42'	-11.13'	9.0'	14.55'	----	----	----	----	12.1

DESIGNED - JSS	EXAMINED	20
CHECKED - MJP	ENGINEER OF STRUCTURAL SERVICES	
DRAWN - JSS	PASSED	ENGINEER OF BRIDGES AND STRUCTURES
CHECKED - MJP		

MODIFIED BY CTE ENGINEERS, INC. FROM OS-F3

SGN-34

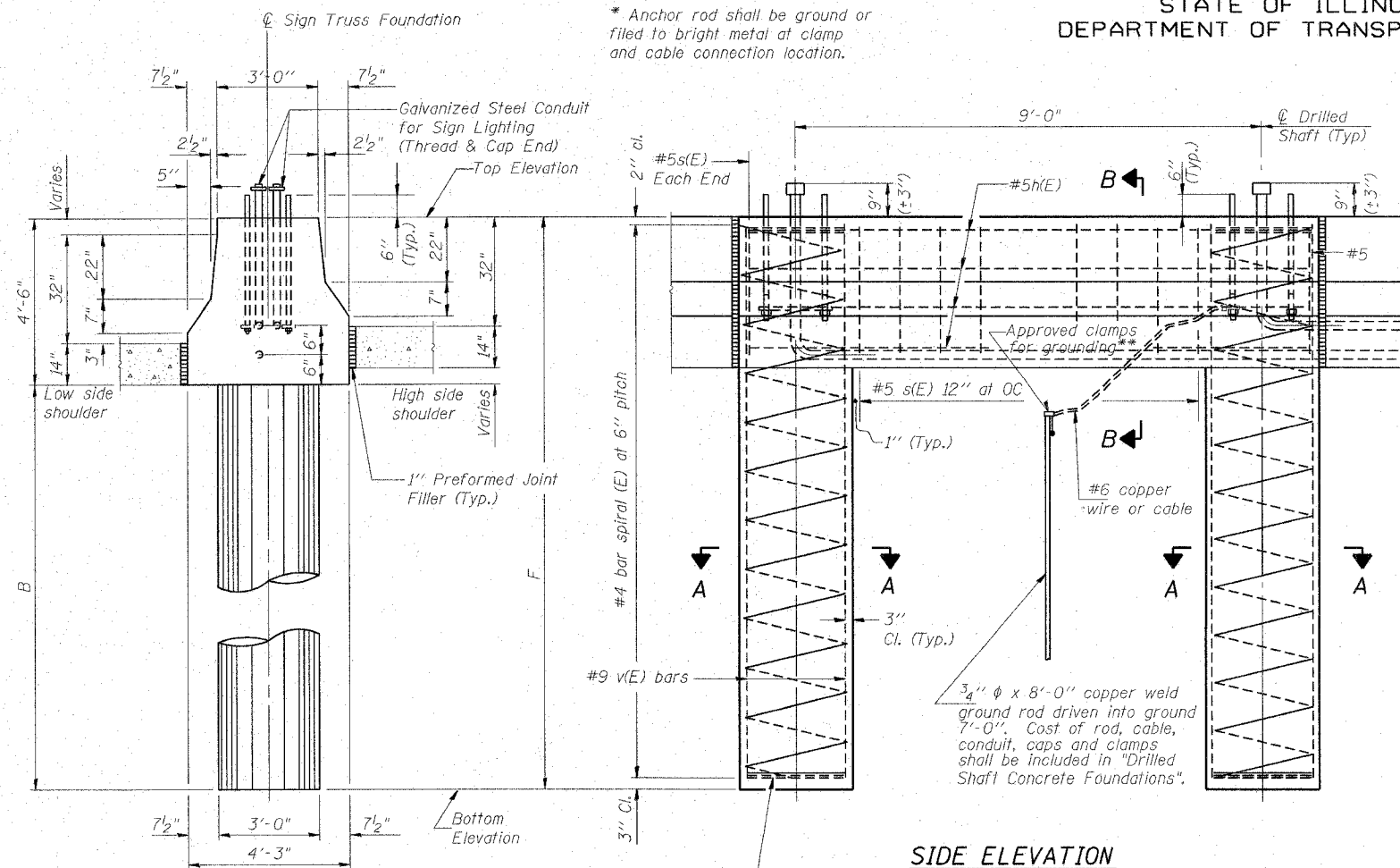
OVERHEAD SIGN STRUCTURES
SPREAD FOOTING DETAILS

F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
PROPOSED IMPROVEMENT

DOUBLE FACE MEDIAN SUPPORT FOUNDATION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. RTE. 90/94		COOK	588	287
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
* (1818, ETC, 2324.6-1P) R-11				62303



* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

NOTES:

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.

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Concrete shall be placed monolithically, without construction joints. Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in "Drilled Shaft Concrete Foundation".

Face of median support foundation shall match dimensions of permanent barrier wall F shape.

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
h(E)	10	#5	11'-8"	—
s(E)	9	#5	Varies	□
v(E)	24	#9	F less 0'-5"	—
#4(E) bar spiral - see Side Elevation				

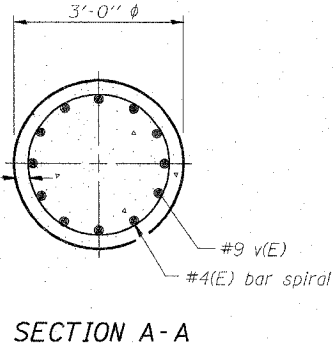
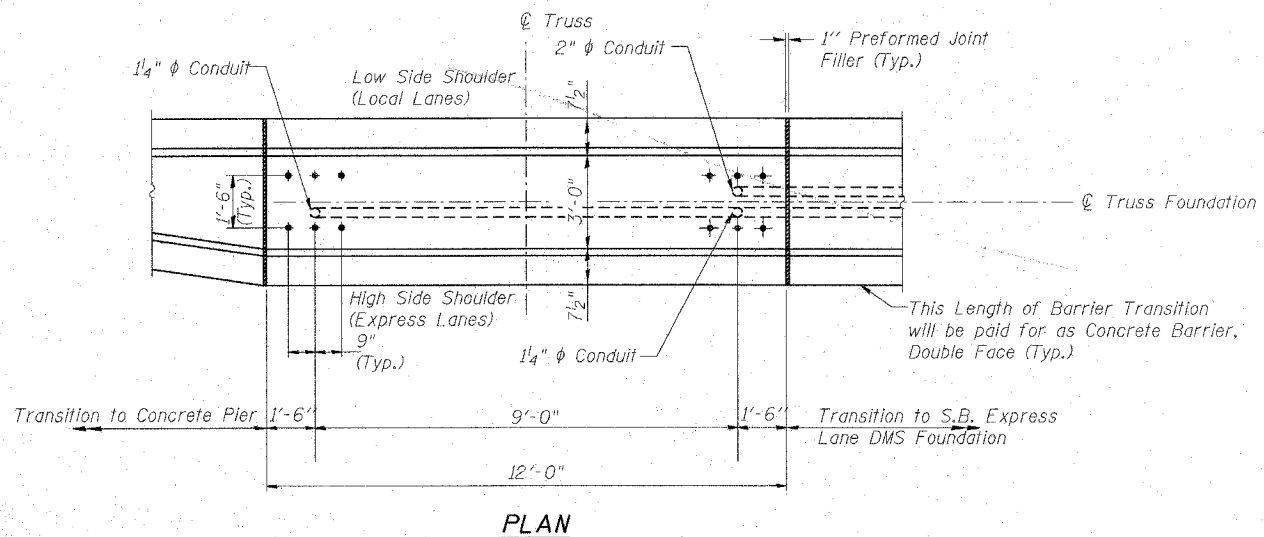
LEFT FOUNDATION USES SINGLE FACE MEDIAN SUPPORT FOUNDATION

Structure Number	Station	Left Foundation				Right Foundation				Class S1 Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	B	F	Elevation Top	Elevation Bottom	B	F	
ISO161094R057.8	3475+92.44	1.83'	-20.00'	18.0'	21.83'	----	----	----	----	15.8

END VIEW

SIDE ELEVATION

SECTION B-B



DESIGNED - JSS	20
CHECKED - MJP	EXAMINED
DRAWN - JSS	PASSED
CHECKED - MJP	ENGINEER OF BRIDGES AND STRUCTURES

MODIFIED BY CTE ENGINEERS, INC. FROM OS4-MED

OVERHEAD SIGN STRUCTURES
MEDIAN SUPPORT FOUNDATION DETAILS

F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
PROPOSED IMPROVEMENT

DOUBLE FACE MEDIAN SUPPORT FOUNDATION

SGN-35

11-A-334 AM
6/7/2006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
94/90	*	COOK	588	288
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT-	

* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11

GENERAL NOTES

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications")

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

DESIGN STRESSES:
Field Units
f_c = 3,500 p.s.i.
f_y = 60,000 p.s.i. (reinforcement)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specifications.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B with a minimum yield of 35,000 p.s.i., or A500 Grade B or C with a minimum yield of 46,000 p.s.i. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53.

All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W*. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer. The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO M164 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2)d of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity ("ROCAP") testing of bolts will not be required.

U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Eyebolt lock nut.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

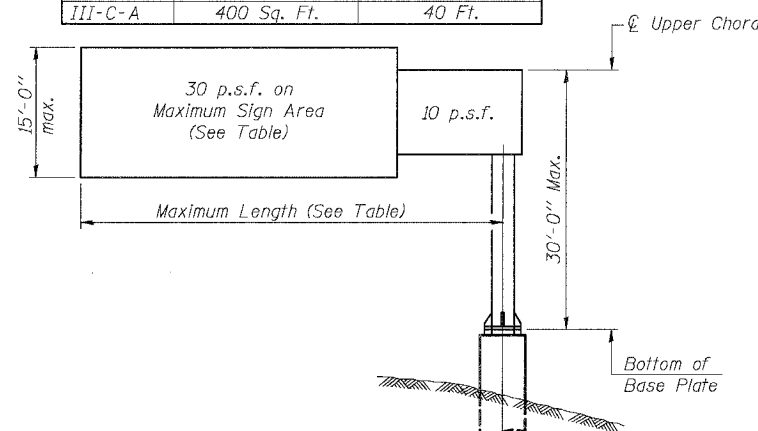
ANCHOR RODS: Shall conform to AASHTO M314 Gr. 55 with a minimum Charpy V-Notch (CVN) energy of 15 lb.-ft. at 10° F.

CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Bridge Seat Sealer in accordance with the Standard Specifications.

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

Structure Number	Station	Design Truss Type	Cantilever Length (L)	Elev. A	Dim. D	D _s	Total Sign Area
IC0161094R055.20	3609+65	II-C-A	26'-0"	-0.84'	8.0'	9'-6"	156.8 SF

Truss Type	Maximum Sign Area	Maximum Length
I-C-A	170 Sq. Ft.	25 Ft.
II-C-A	340 Sq. Ft.	30 Ft.
III-C-A	400 Sq. Ft.	40 Ft.



DESIGN WIND LOADING DIAGRAM

Parameters shown are basis for I.D.O.T. Standards
Installations not within dimensional limits shown
require special analysis for all components.

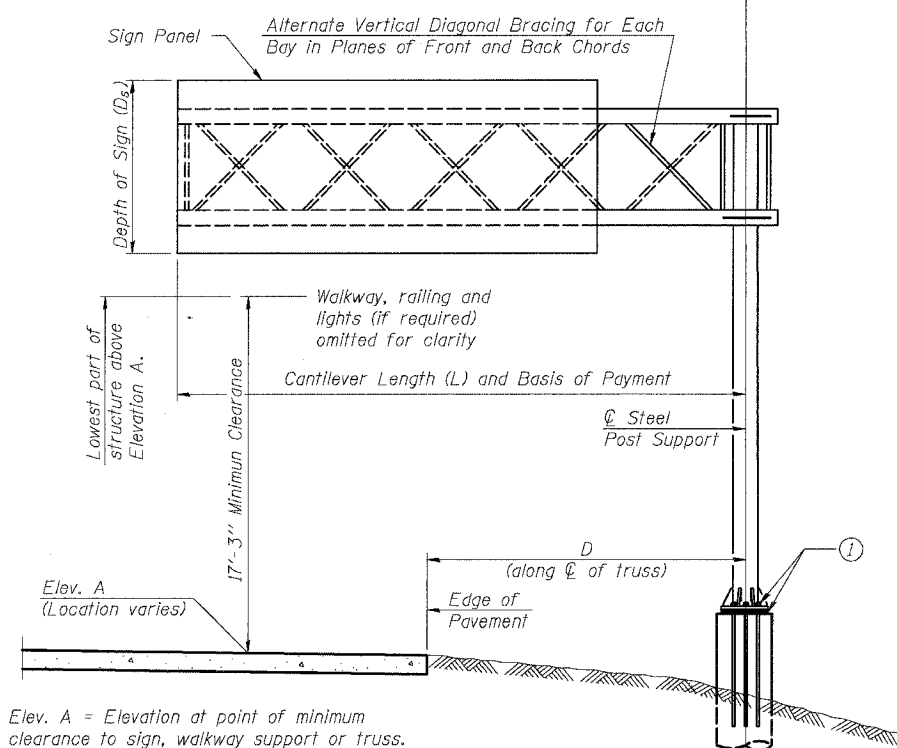
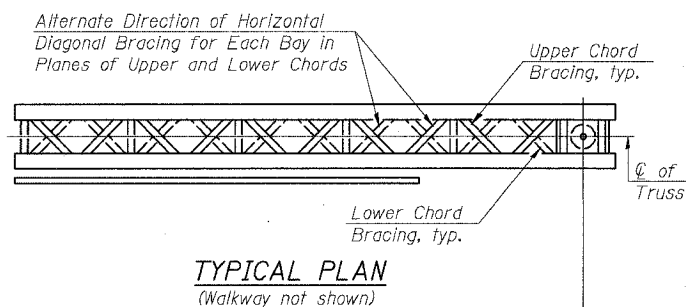
- ① After adjustments to level truss and insure adequate vertical clearance, all top and leveling nuts shall be tightened against the base plate with a minimum torque of 200 lb.-ft. Stainless steel mesh shall then be placed around the perimeter of the base plate. Secure to base plate with stainless steel banding.

Note:
Trusses shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The contractor is responsible for maintaining the configuration and protection of the trusses.

* If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE I-C-A	Foot	-
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE II-C-A	Foot	26
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE III-C-A	Foot	-
OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	Foot	20.5
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	7.0



Elev. A = Elevation at point of minimum clearance to sign, walkway support or truss.

TYPICAL ELEVATION

Looking in Direction of Traffic

Sign support structures may be subject to damaging vibrations and oscillations when sign panels are not in place during erection or maintenance of the structure. To avoid these vibrations and oscillations, consideration should be given to attaching temporary blank sign panels to the structure.

DESIGNED	MSA
CHECKED	AS
DRAWN	RV
CHECKED	MSA

EXAMINED	20
PASSED	ENGINEER OF STRUCTURAL SERVICES
	ENGINEER OF BRIDGES AND STRUCTURES

OSC-A-1

1-7-05

NUMBER	REVISION	DATE

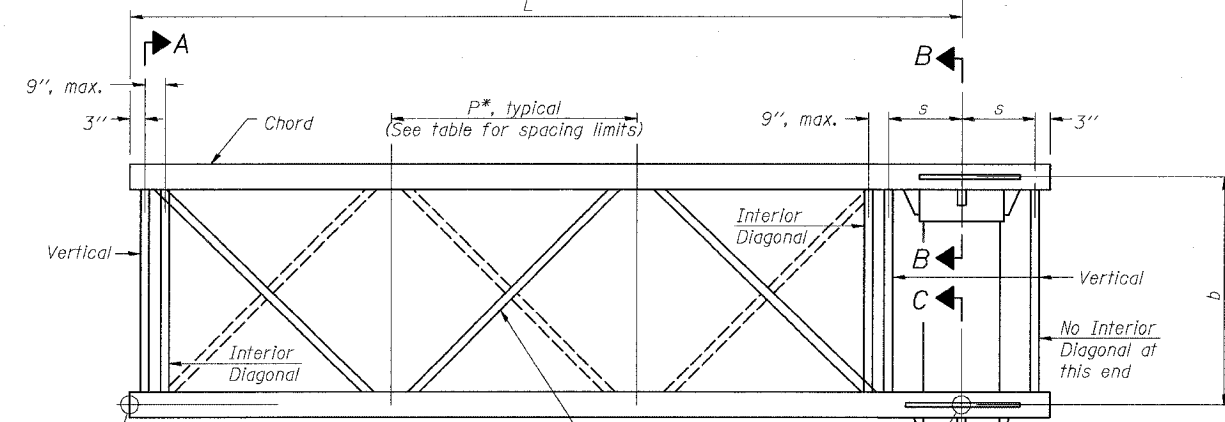
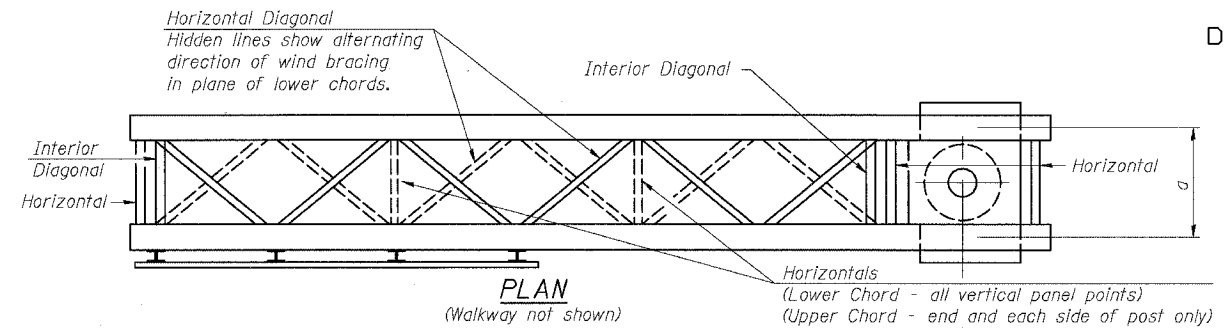
SGN-38

CANTILEVER SIGN STRUCTURES
GENERAL PLAN & ELEVATION
ALUMINUM TRUSS & STEEL POST
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
OVERHEAD SIGN STRUCTURES
(CANTILEVER)

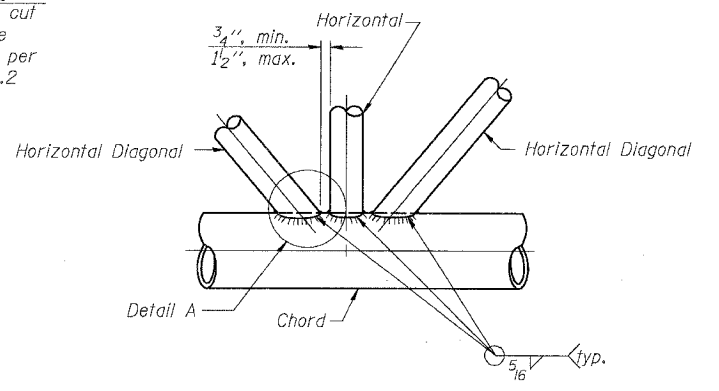
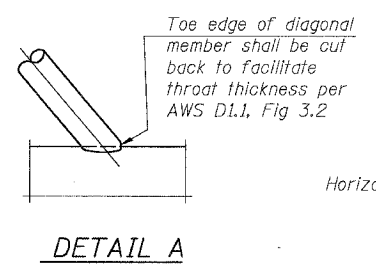
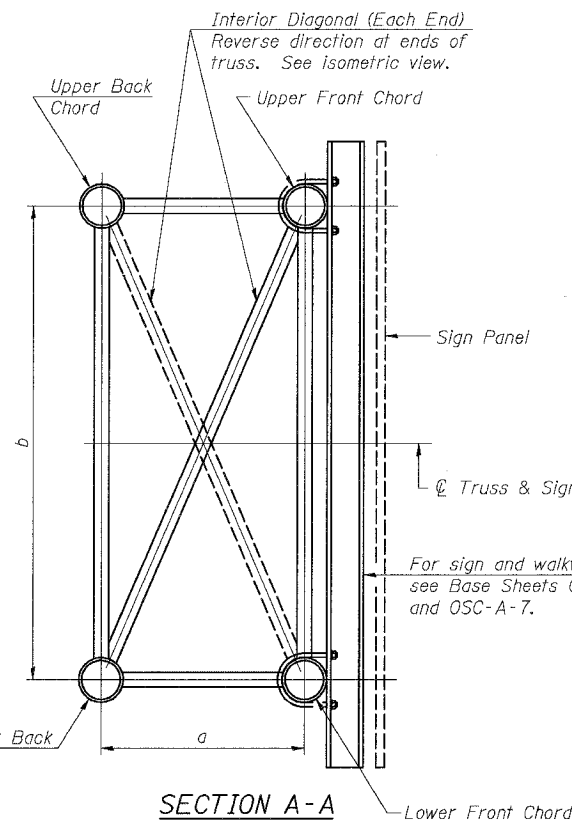
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
94/90	*	COOK	588	289
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT-	

* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11



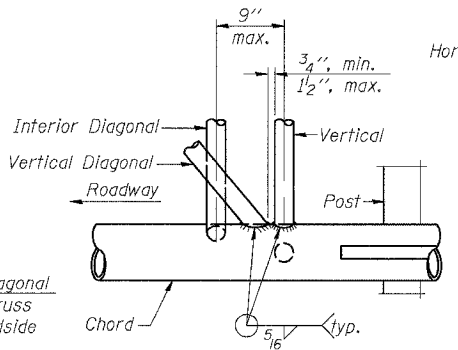
TYPICAL TRUSS UNIT
For Section B-B and Section C-C, see Base Sheet OSC-A-3.



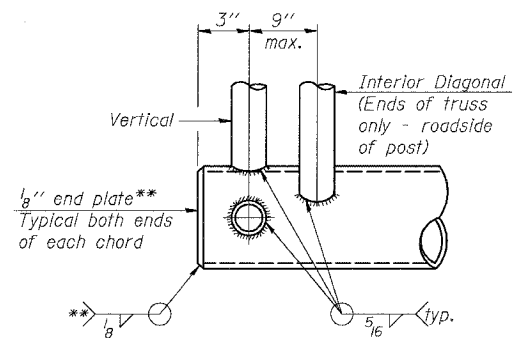
TRUSS INTERIOR JOINT DETAIL

Structure Number	Station	Truss Type	Design Length (L)	Number of Panels Per Unit	Panel Length (P)*
IC0161094R055.20	3609+65	II-C-A	26'-0"	6	4'-0"

Note: There are twice as many horizontal diagonals as there are vertical diagonals.



POST END JOINT DETAIL



CANTILEVER END JOINT DETAIL

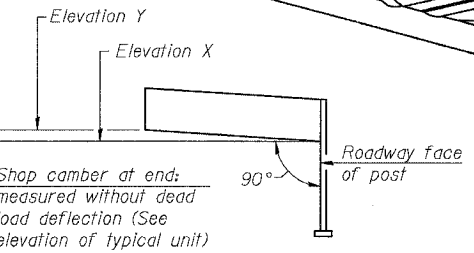
** Contractor may alternatively use standard aluminum drive-fit cap to close ends.

DESIGNED	MSA	EXAMINED	20
CHECKED	AS	PASSED	ENGINEER OF STRUCTURAL SERVICES
DRAWN	RV	PASSED	ENGINEER OF BRIDGES AND STRUCTURES
CHECKED	MSA		

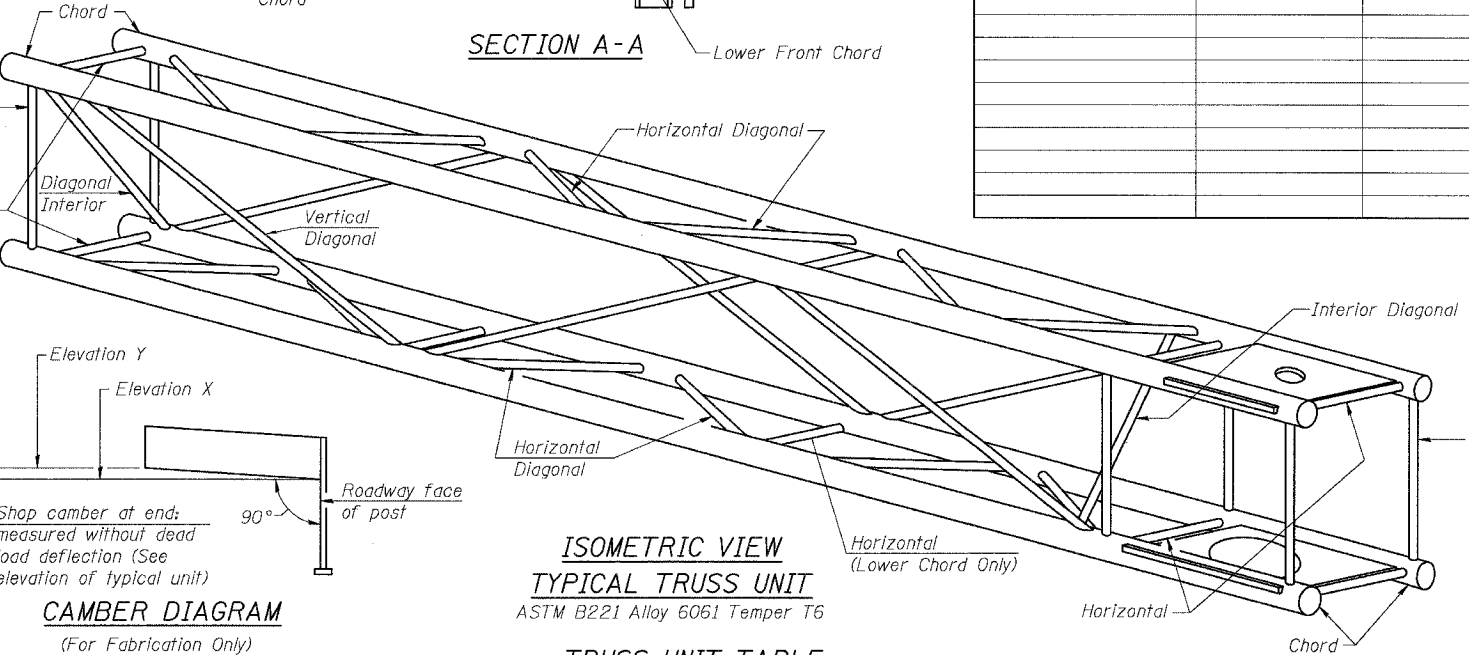
OSC-A-2 1-7-05

SHOP CAMBER TABLE

Unit Length (L)	Shop Camber at End
15'	1 1/2"
16'-17'	1 3/4"
18'-20'	2"
21'-22'	2 1/4"
23'-25'	2 1/2"
26'-27'	2 3/4"
28'-30'	3"
31'-32'	3 1/4"
33'-35'	3 1/2"
36'-37'	4"
38'-40'	4 1/2"



CAMBER DIAGRAM
(For Fabrication Only)



ISOMETRIC VIEW TYPICAL TRUSS UNIT

ASTM B221 Alloy 6061 Temper T6

TRUSS UNIT TABLE

Truss Type	Dimension "a"	Dimension "b"	Dimension "s"	Limits for Panel Spacing (P)*	Up. & Low. Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals	
					O.D.	Wall	O.D.	Wall
I-C-A	24"	54"	16"	36" min. to 48" max.	5"	5/16"	2 1/2"	5/16"
II-C-A	36"	66"	21"	42" min. to 54" max.	6 1/2"	5/16"	3 1/4"	5/16"
III-C-A (35' Max.)	36"	84"	21"	48" min. to 66" max.	7"	3/8"	3 1/2"	3/8"
III-C-A (>35' to 40')	36"	84"	21"	48" min. to 66" max.	8"	3/8"	3 1/2"	3/8"

*P = (L - s - 3") / # Panels

NUMBER	REVISION	DATE

CANTILEVER SIGN STRUCTURES
TRUSS DETAILS
ALUMINUM TRUSS & STEEL POST

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)

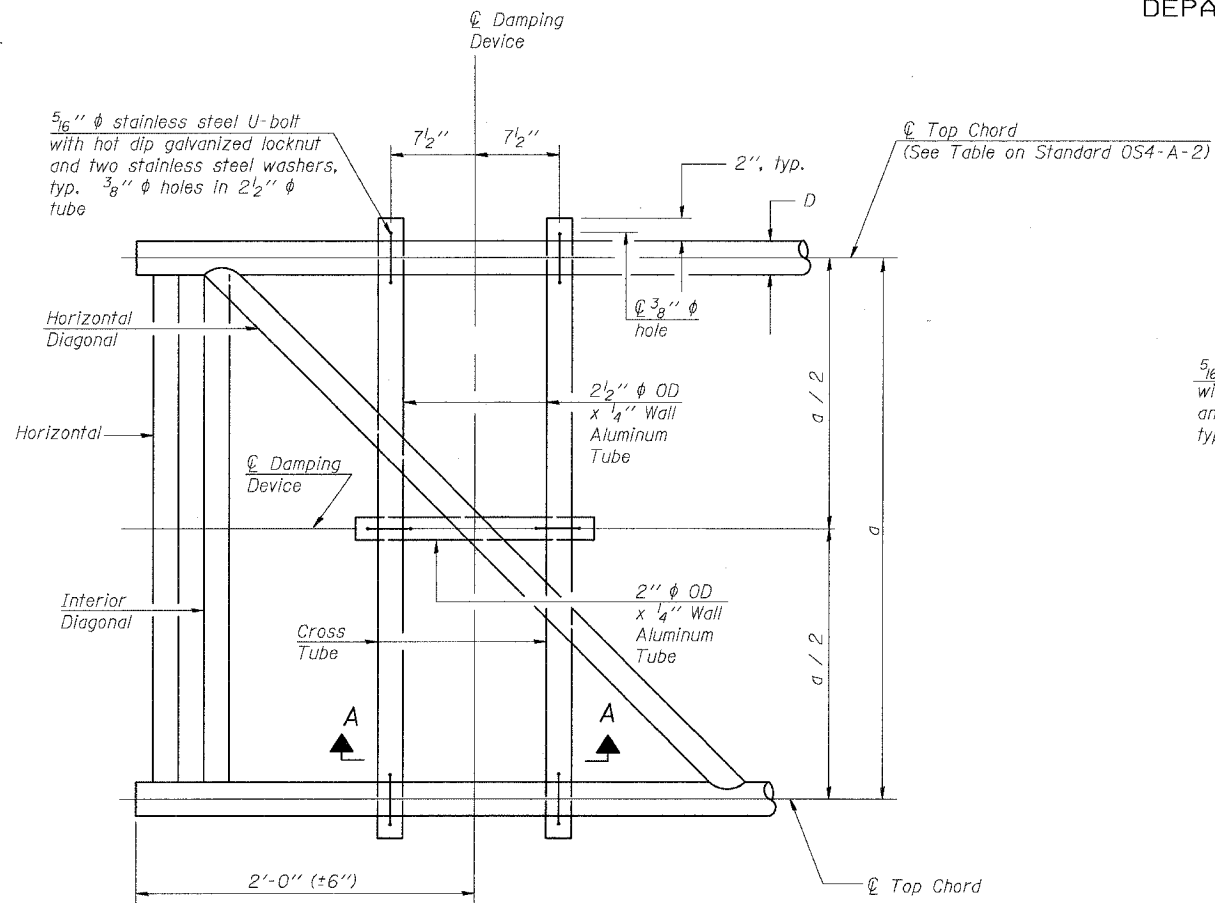
OVERHEAD SIGN STRUCTURES
(CANTILEVER)

SGN-39

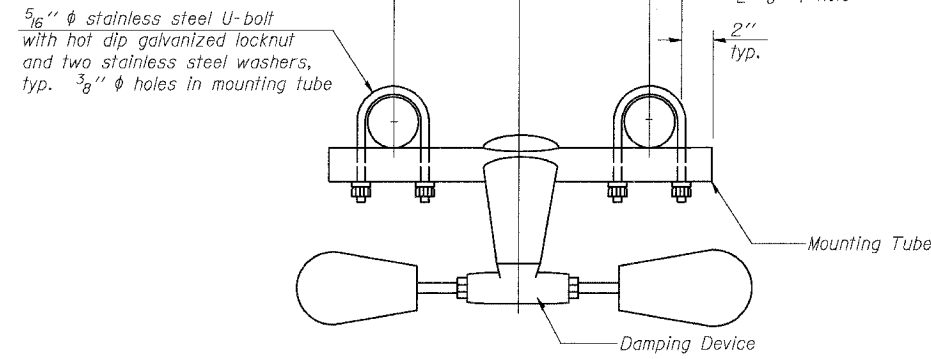
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	DATE	SHEET
94/90	*	COOK	588	290
FED. AID DIST. NO. 1		ILLINOIS	FED. AID PROJECT-	

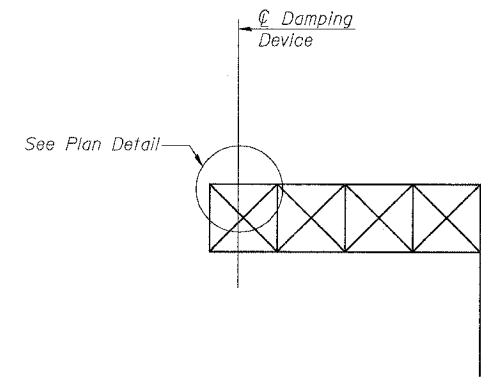
* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11



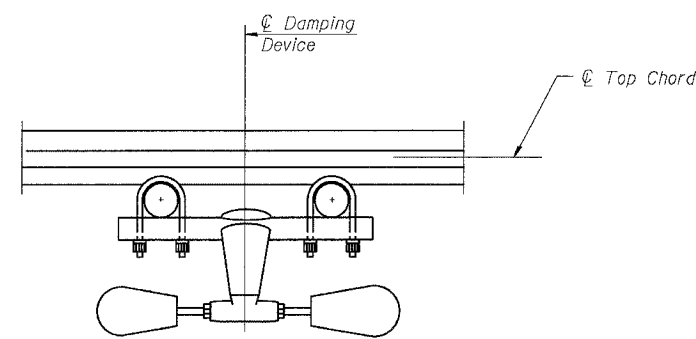
PLAN DETAIL



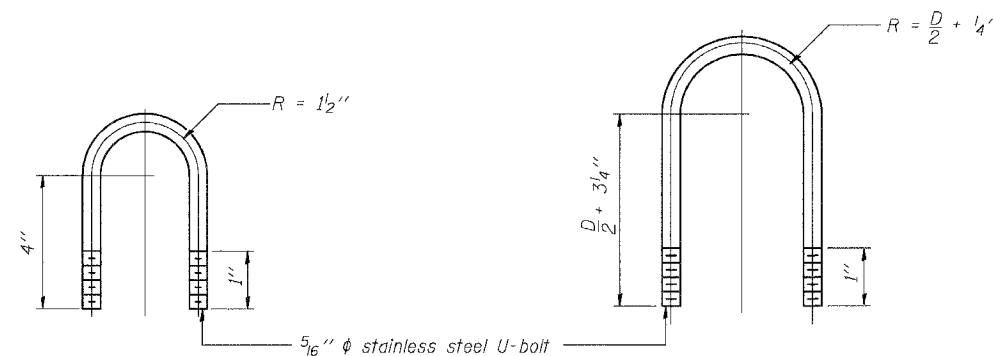
TRUSS DAMPING
DEVICE CONNECTION DETAIL



ELEVATION
Aluminum Cantilever
Sign Structure



SECTION A-A



DAMPING DEVICE MOUNTING
TUBE U-BOLT DETAIL
(Typical)

TOP CHORD TO CROSS TUBE
U-BOLT DETAIL
(Typical)

- GENERAL NOTES**
- Damper: One damper per truss. (31 lbs. Stockbridge-Type Aluminum)
 - Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6

DESIGNED	MSA	EXAMINED	20
CHECKED	AS	PASSED	ENGINEER OF STRUCTURAL SERVICES
DRAWN	RV		ENGINEER OF BRIDGES AND STRUCTURES
CHECKED	MSA		

OSC-A-D

1-7-05

SGN-40

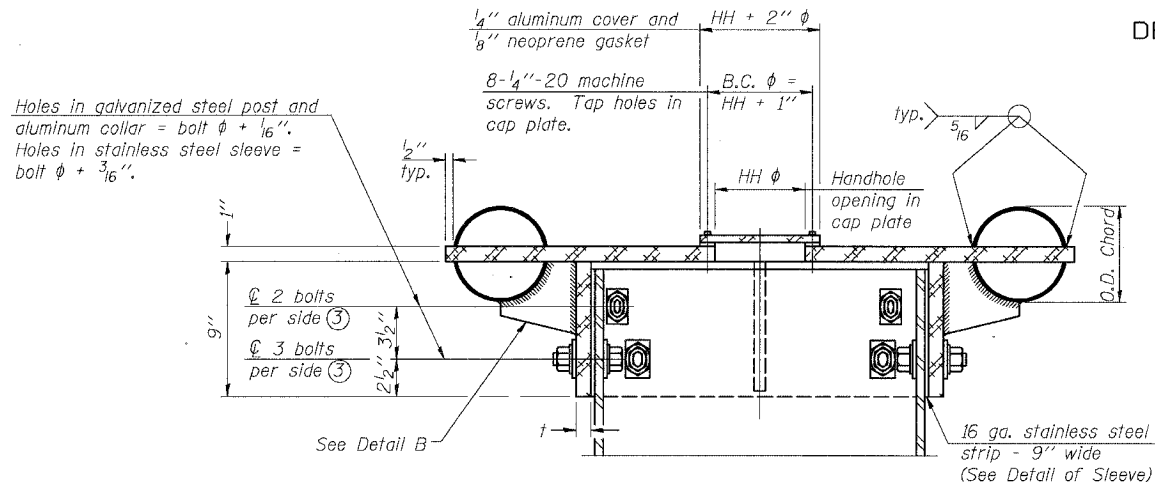
CANTILEVER SIGN STRUCTURE
DAMPING DEVICE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
OVERHEAD SIGN STRUCTURES
(CANTILEVER)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

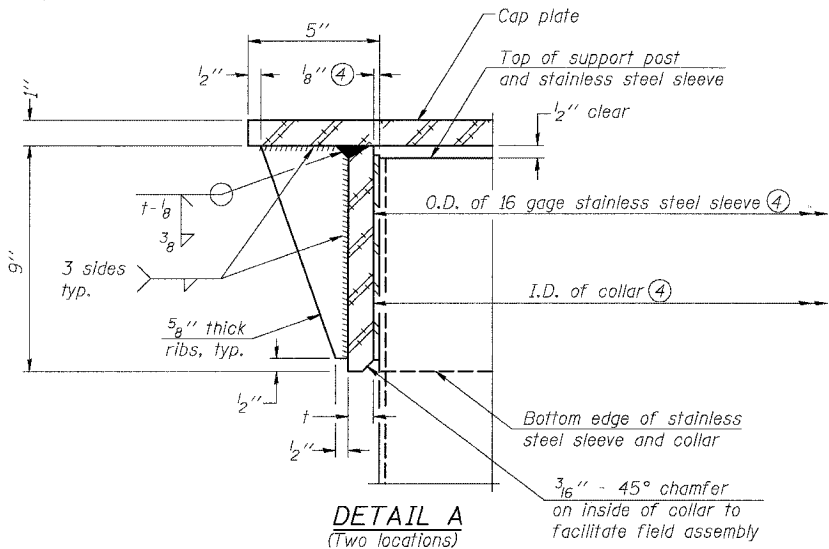
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	291
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT-	

* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11

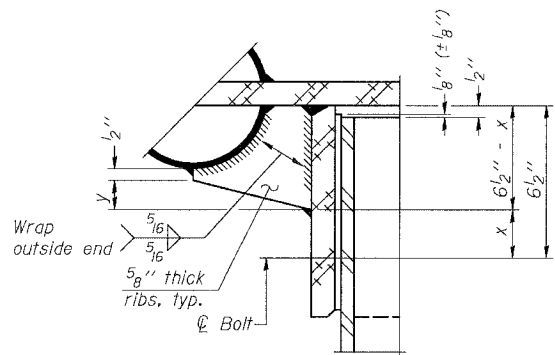


④ Collar I.D. shall be manufactured to correspond to O.D. of actual galvanized post and stainless steel sleeve plus 1/8" (+/- 1/16"). Maximum gap between post and collar at any location equals 1/8" before tightening bolts.

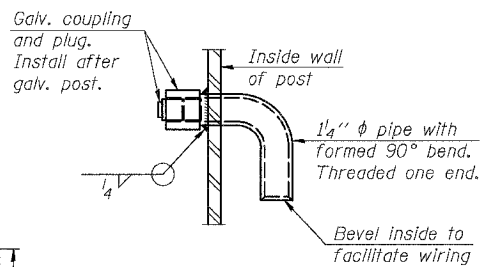
SECTION B-B
Bolts, washers (including contoured washers), and locknuts shall be stainless steel.



DETAIL A
(Two locations)



DETAIL B
Two locations
(For details not shown, see Detail C)

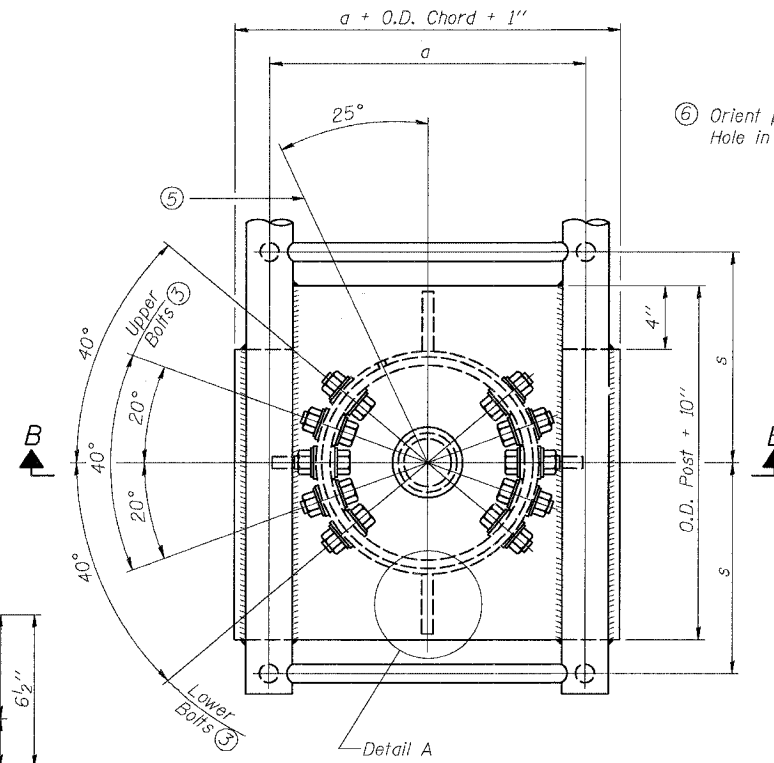


DETAIL D

DETAIL OF STAINLESS STEEL SLEEVE

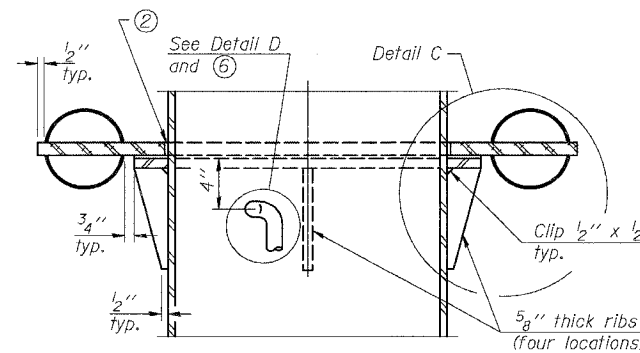
Weld to post after galvanizing.
(Prepare post surface to insure tight, uniform fit and allow welding.)
Welds to be 1/2" long at 6" cts. along top edge and at 1/4" opening.

NUMBER	REVISION	DATE

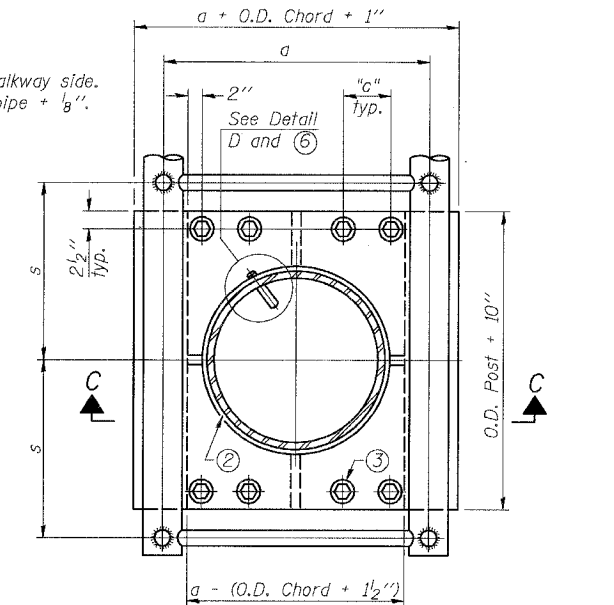


PLAN VIEW - TOP OF COLUMN

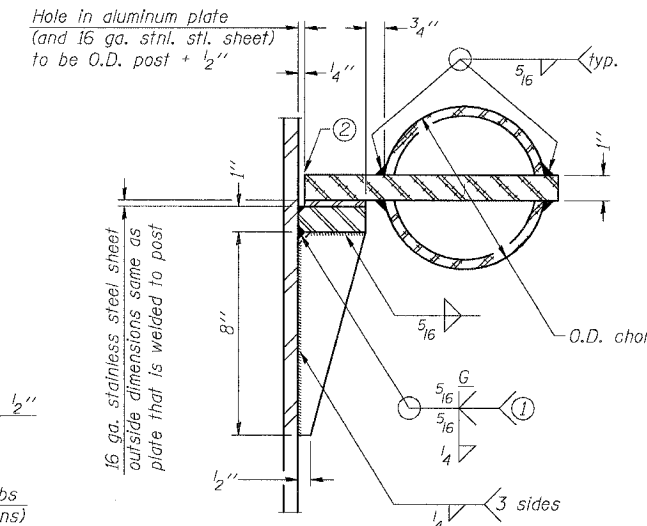
⑤ Optional full penetration weld in collar.
(Two locations maximum....(180° apart)....X-ray or UT 100%)



SECTION C-C



SECTION THRU POST ABOVE LOWER CHORDS



DETAIL C

- ① Grind top if required to fully seat aluminum plate and stainless steel sheet.
- ② After tightening lower connection bolts, fill gap with non-hardening, silicone caulk suitable for exterior exposure and acceptable to the Engineer. Cost is included in Overhead Sign Structure Cantilever, SGN-41

CONTOURED WASHERS

Bolt Size	Contoured Washers	
	Hole Dia.	B
7/8"	1"	2 1/2"
1"	1 1/8"	3"
1 1/4"	1 3/8"	3 1/4"

DESIGNED	MSA
CHECKED	AS
DRAWN	RV
CHECKED	MSA

EXAMINED	20
PASSED	ENGINEER OF STRUCTURAL SERVICES
	ENGINEER OF BRIDGES AND STRUCTURES

OSC-A-3

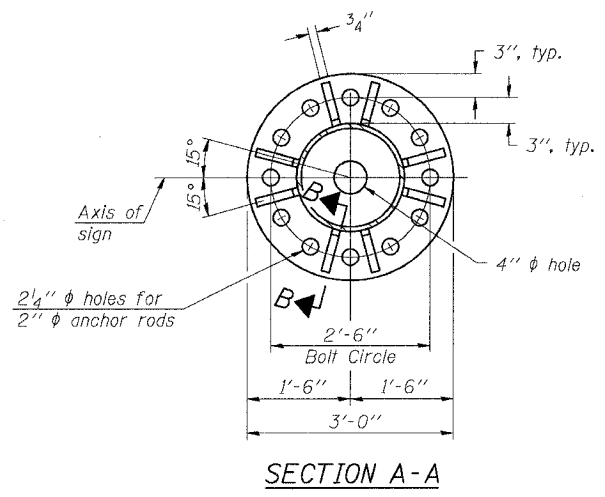
1-7-05

③ Upper and lower connection bolts in collar and bolts at lower chord connection shall be high strength with matching locknuts. Connection bolts shall have 2 stainless steel flat washers each.

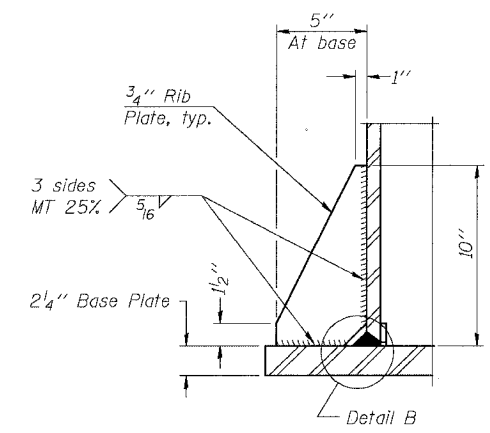
**CANTILEVER SIGN STRUCTURES
JUNCTURE DETAILS
ALUMINUM TRUSS & STEEL POST**
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
OVERHEAD SIGN STRUCTURES
(CANTILEVER)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

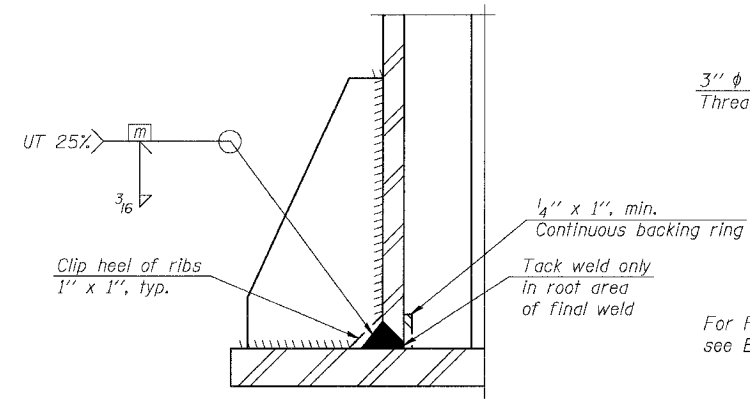
ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET
94/90	*	COOK	588	292
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11				



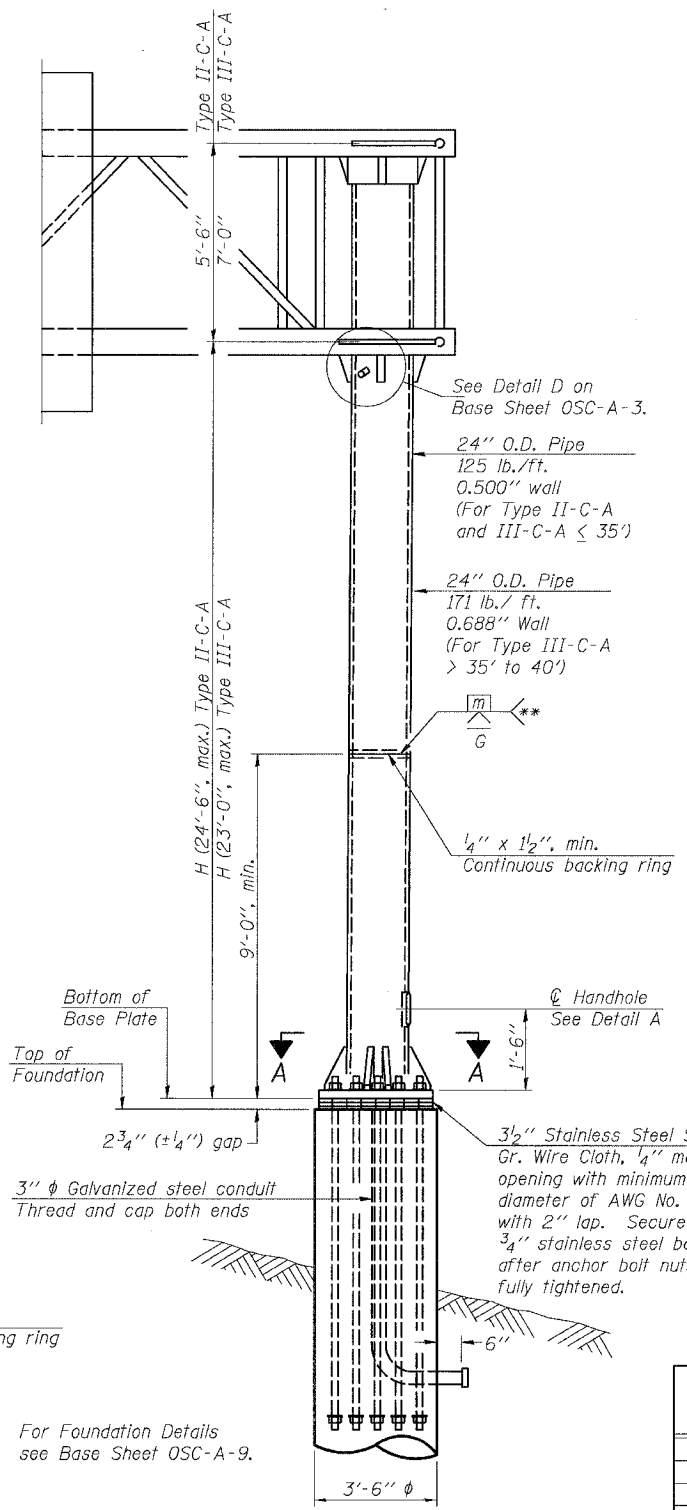
SECTION A-A



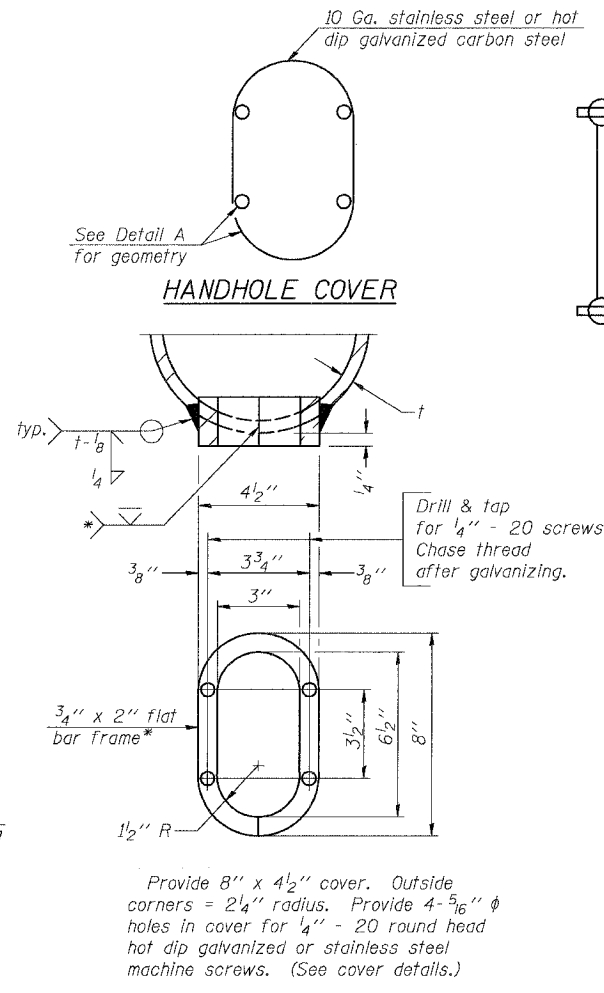
SECTION B-B



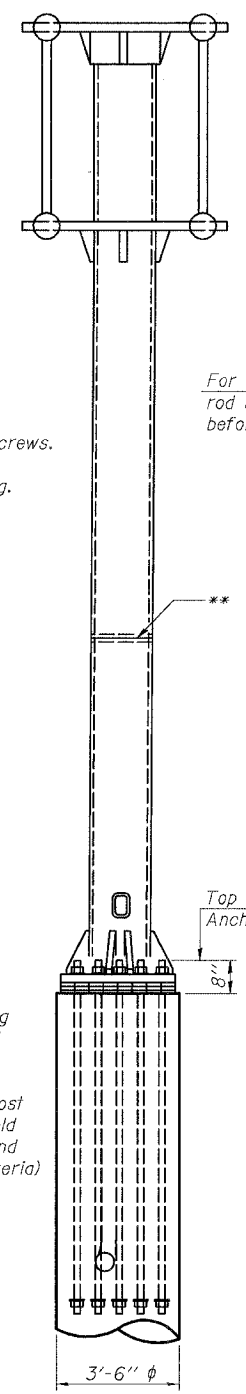
DETAIL B
(Typical rib)



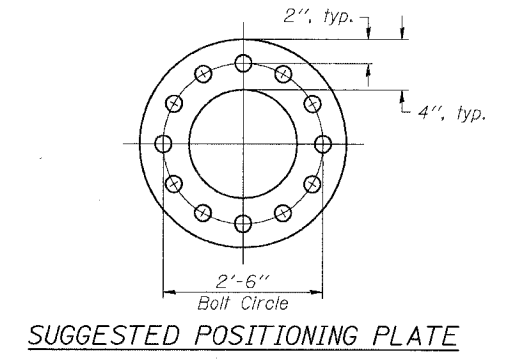
FRONT ELEVATION



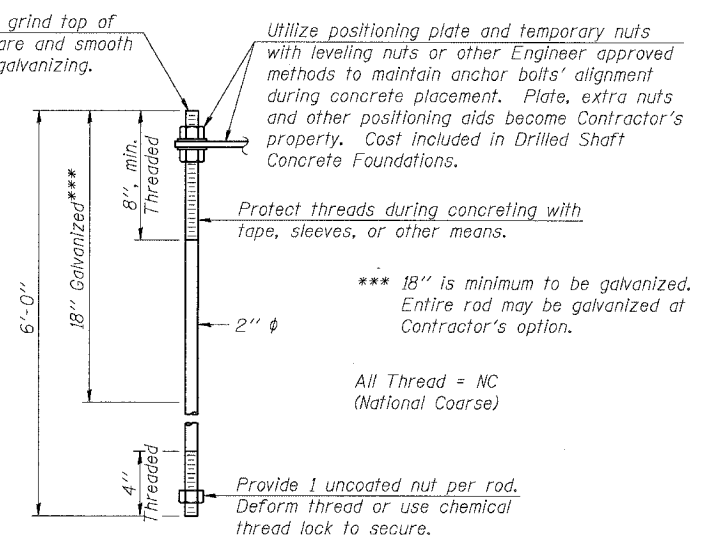
DETAIL A



SIDE ELEVATION



SUGGESTED POSITIONING PLATE



ANCHOR ROD DETAIL

Anchor rods shall conform to AASHTO M314 Grade 55 and meet Charpy V-Notch (CVN) energy of 15 lb.-ft. at 10° F. before galvanizing. Galvanize the upper 18" (minimum***) and associated M291, Grade A, C or DH heavy hex nuts and hardened washers per AASHTO M232. No welding shall be permitted on rods. Provide an unfinished nut at bottom, a hexagon locknut and washer above base plate and a leveling nut and washer below base plate. Nuts shall each be tightened with 200 lb.-ft. minimum torque against base plate. Before or after threading, but before galvanizing, each anchor rod shall be ultrasonically tested (UT) by a Level II or III inspector, qualified in accord with ANSI guidelines, using a straight beam, 1/2" φ 3.5 mhz. transducer, to insure no rejectable flaws exist in the upper 18" (tension criteria). Cost of testing included in Drilled Shaft Concrete Foundations.

Structure Number	Station	H
1C0161094R055.20	3609+65	16'-1 9/16"

NUMBER	REVISION	DATE

DESIGNED	MSA	20
CHECKED	AS	EXAMINED
DRAWN	RV	PASSED
CHECKED	MSA	ENGINEER OF STRUCTURAL SERVICES
		ENGINEER OF BRIDGES AND STRUCTURES

OSC-A-5

1-7-05

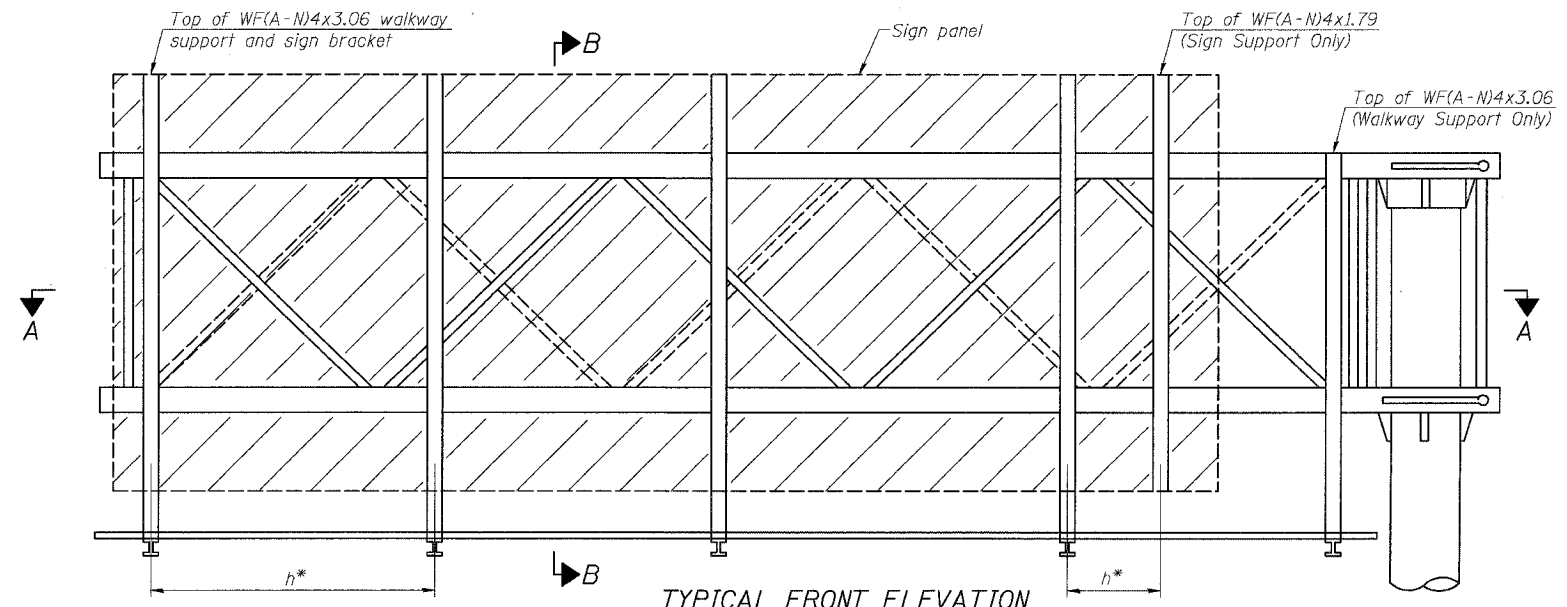
SGN-42

CANTILEVER SIGN STRUCTURES
TYPE II-C-A & III-C-A TRUSS SUPPORT POST
ALUMINUM TRUSS & STEEL POST
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
OVERHEAD SIGN STRUCTURES
(CANTILEVER)

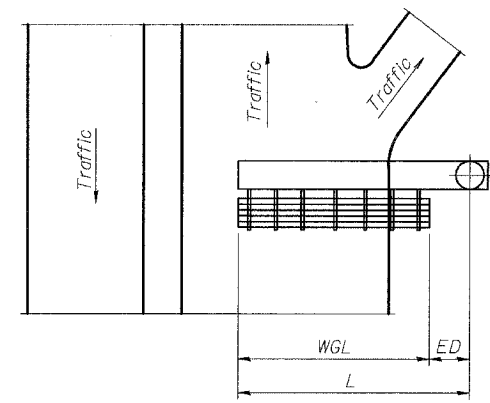
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	LETS	SHEET NO.
94/90	*	COOK	588	293
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT-	

* 62303 (2021-922 PT2 ETC 2324.6-IP) R-11

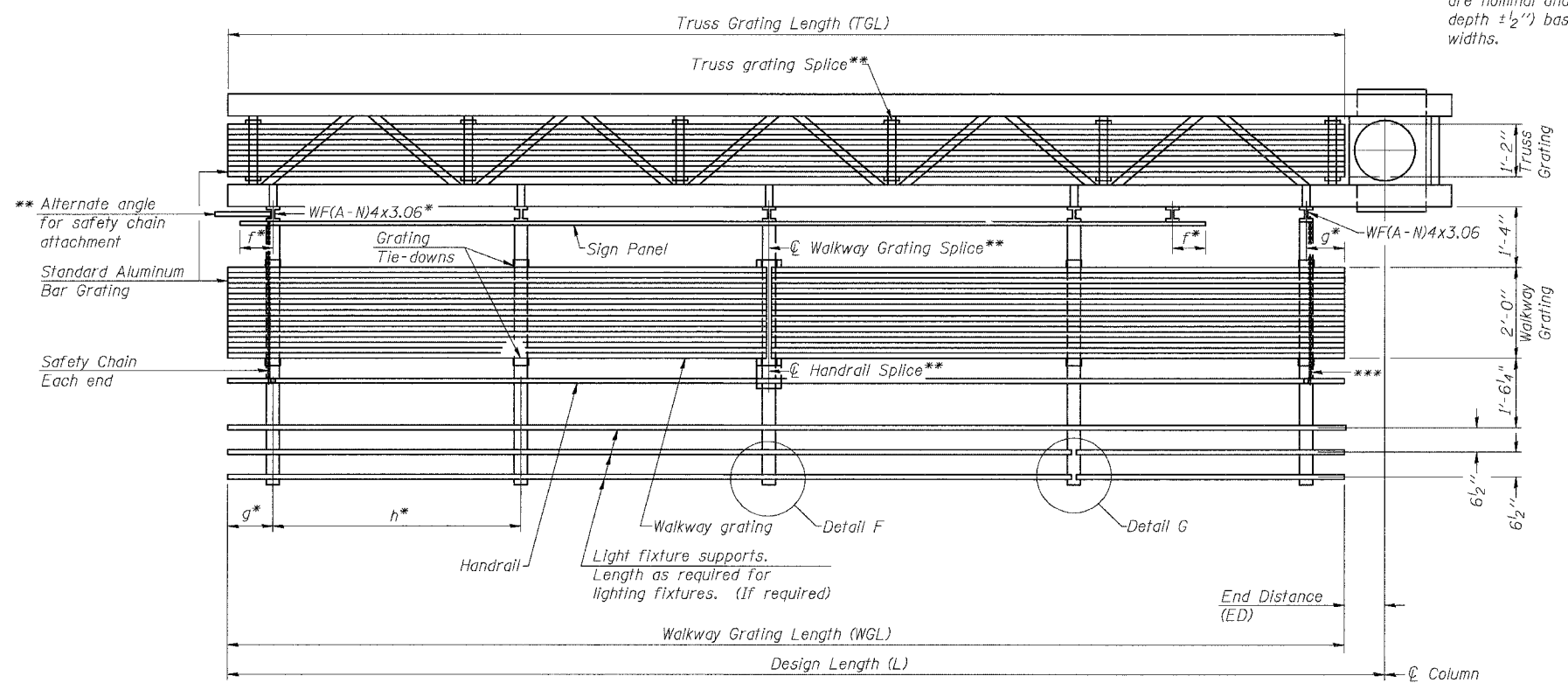


TYPICAL FRONT ELEVATION
With lights and handrail omitted for clarity.



PLAN WALKWAY AND HANDRAIL SKETCH
(Road plan beneath truss varies)

Walkway and truss grating dimensions are nominal and may vary (width ±1/2", depth ±1/2") based on available standard widths.



SECTION A-A

Truss grating to facilitate inspection shall run full length of cantilevers. Cost of truss grating is included in Overhead Sign Structure Cantilever.

Handrail and walkway grating shall span a minimum of three brackets between splices.
** Use and location of handrail or grating splices are optional, based on lengths needed and material availability.

$$TGL = L - \left(\frac{\text{Post O.D.}}{2} + 6'' \right)$$

DESIGNED	MSA
CHECKED	AS
DRAWN	RV
CHECKED	MSA

EXAMINED	20
PASSED	

NUMBER	REVISION	DATE

Structure Number	Station	WGL	ED	TGL
1C0161094R055.20	3609+65	20'-6"	5'-6"	24'-6"

- Notes:
- * Space walkway brackets WF(A-N)4x3.06 and sign brackets WF(A-N)4x1.79 for efficiency and within limits shown:
 - f = 12" maximum, 4" minimum (End of sign to * of nearest bracket)
 - g = 12" maximum, 4" minimum (End of walkway to * of nearest bracket)
 - h = 6'-0" maximum (* to * sign and/or walkway support brackets, WF(A-N)4x1.79 or WF(A-N)4x3.06)
 - *** If walkway bracket at safety chain location is behind sign, add angle to bracket.
- For details of sign placement, sign/walkway brackets, truss and walkway gratings, grating splices and Section B-B, see Base Sheet OSC-A-7.
For details of handrail, handrail splice, safety chain and Details F and G, see Base Sheet OSC-A-8.

BRACKET TABLE

Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
	8'-0"	2
8'-0"	14'-0"	3
14'-0"	20'-0"	4
20'-0"	26'-0"	5
26'-0"	32'-0"	6

**CANTILEVER SIGN STRUCTURES
ALUMINUM WALKWAY DETAILS
ALUMINUM TRUSS & STEEL POST**

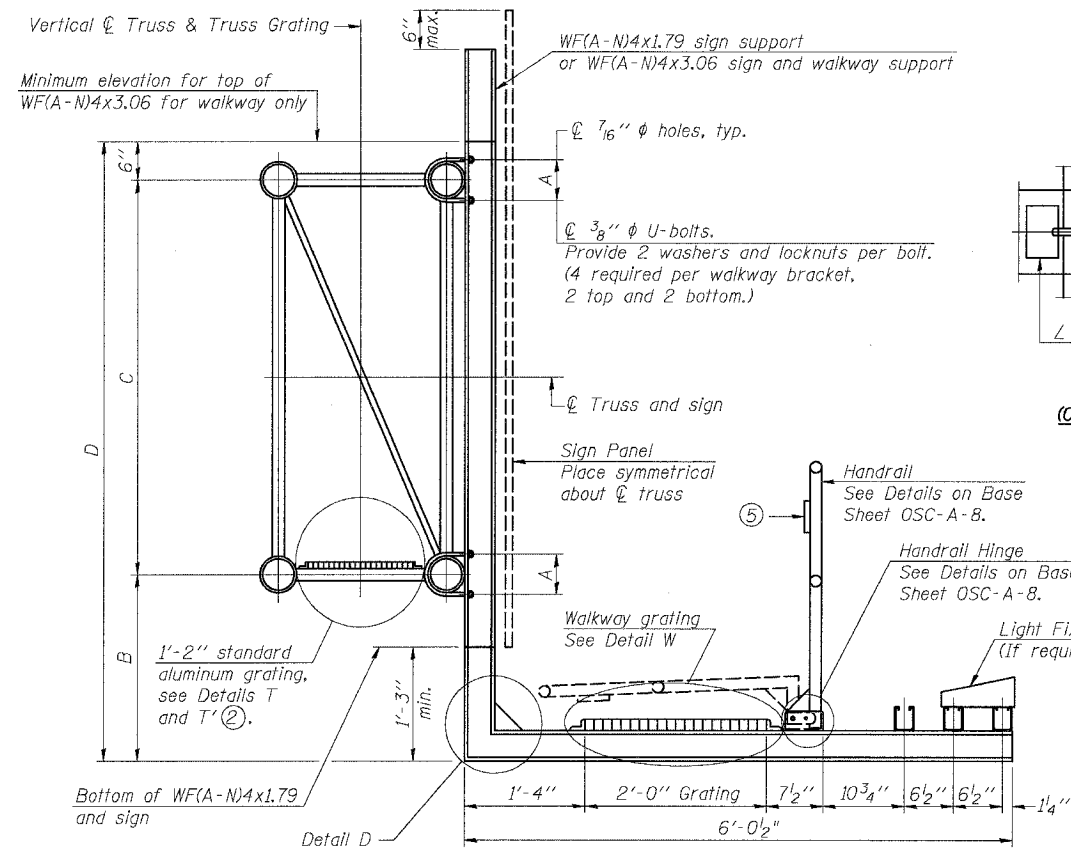
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)

OVERHEAD SIGN STRUCTURES
(CANTILEVER)

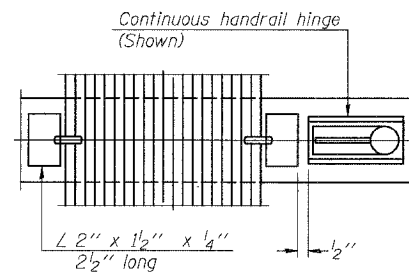
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET
94/90	*	COOK	588	294
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT-	

* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11

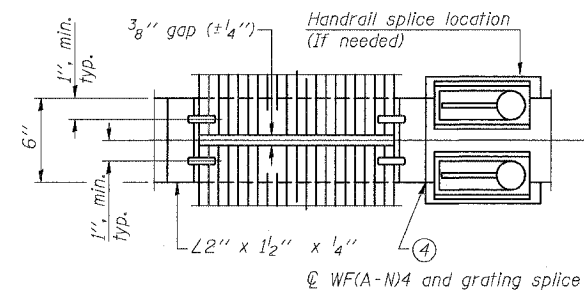


SECTION B-B

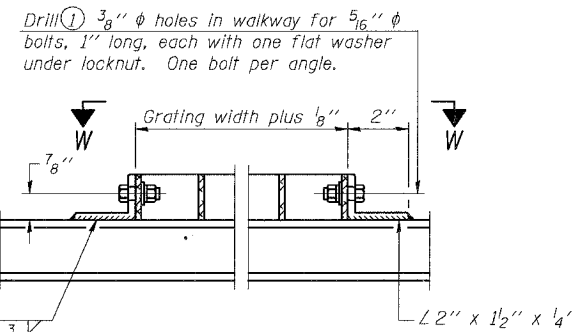


(CONTINUOUS WALKWAY GRATING)

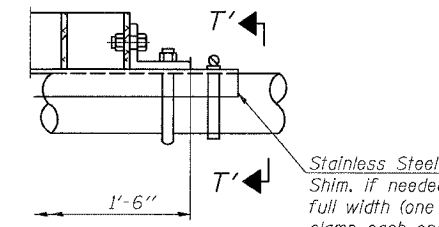
SECTION W-W



(AT WALKWAY GRATING SPLICE)



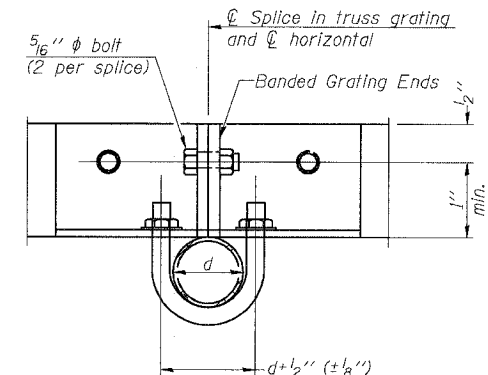
DETAIL W
(Walkway grating)



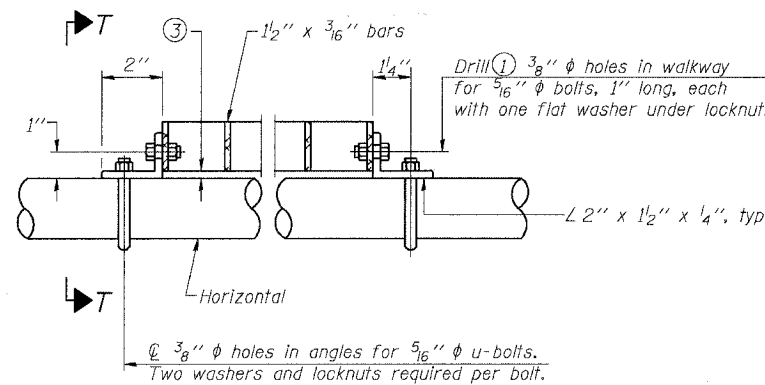
DETAIL T'

(Truss grating splice)

Details not shown same as Detail T. Alternate materials may be used subject to the Engineer's review and approval.

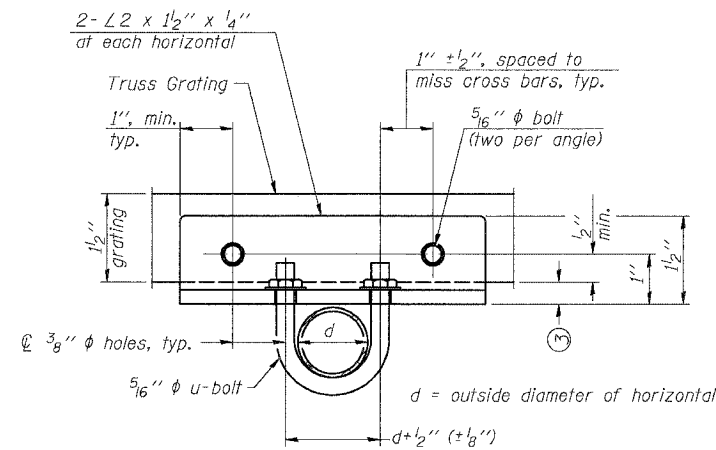


SECTION T'-T'

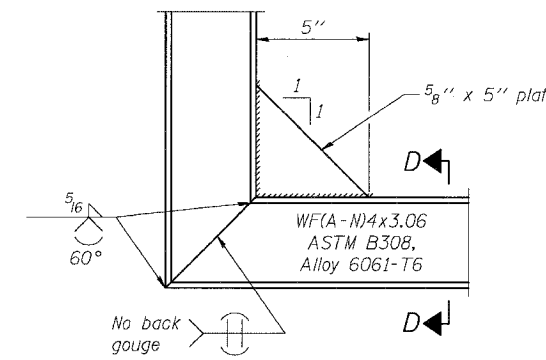


DETAIL T

(Truss grating at horizontal)

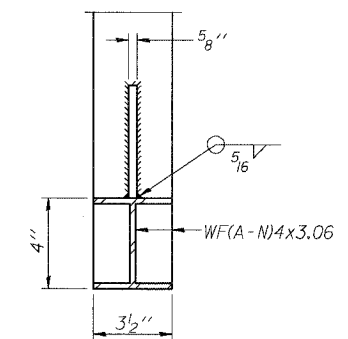


SECTION T-T



DETAIL D

(See Detail P, Base Sheet OSC-A-8.)



SECTION D-D

NUMBER	REVISION	DATE

DESIGNED	MSA	20
CHECKED	AS	EXAMINED
DRAWN	RV	PASSED
CHECKED	MSA	ENGINEER OF STRUCTURAL SERVICES
		ENGINEER OF BRIDGES AND STRUCTURES

OSC-A-7

1-7-05

- Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.
- When truss grating must be spliced, use suggested detail or other methods subject to the Engineer's review and approval. Locate splice to avoid interference between cross bars and bolt locations.
- Tube to grating gap may vary from 0 to *", max. to align walkway, allow for camber, etc.
- If Handrail Joint present, weld angle to WF(A-N)4 and *" extension bars. (See Base Sheet OSC-A-8)
- *" x *" x 2" welded to handrail posts to protect locations that contact grating.

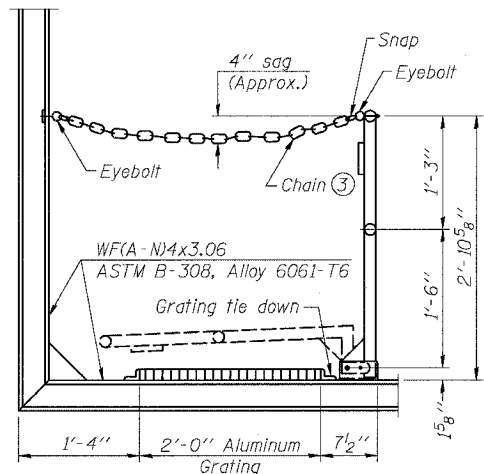
Structure Number	Station	A	B	C	D
1C0161094R055.20	3609+65	7"	3'-3"	5'-6"	9'-3"

SGN-44

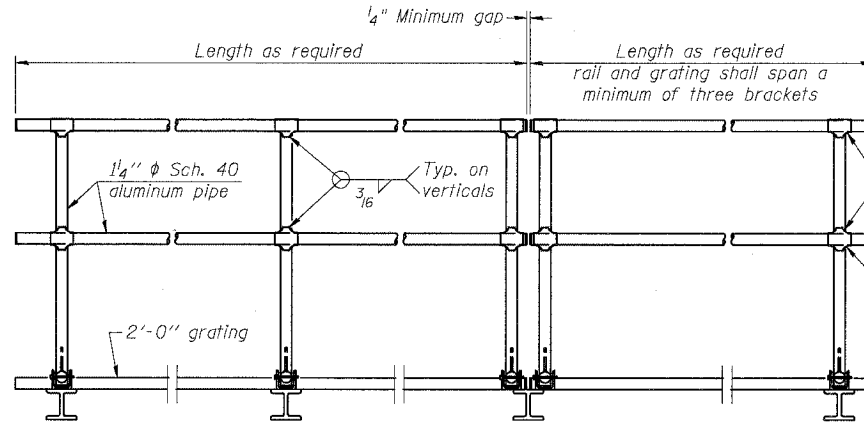
CANTILEVER SIGN STRUCTURES
WALKWAY DETAILS
ALUMINUM TRUSS & STEEL POST
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
OVERHEAD SIGN STRUCTURES
(CANTILEVER)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	295
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT-	
* 62303 (2021-922 PT2 ETC 23246-1P) R-11				



SIDE ELEVATION
(Showing Safety Chain W/O Sign)

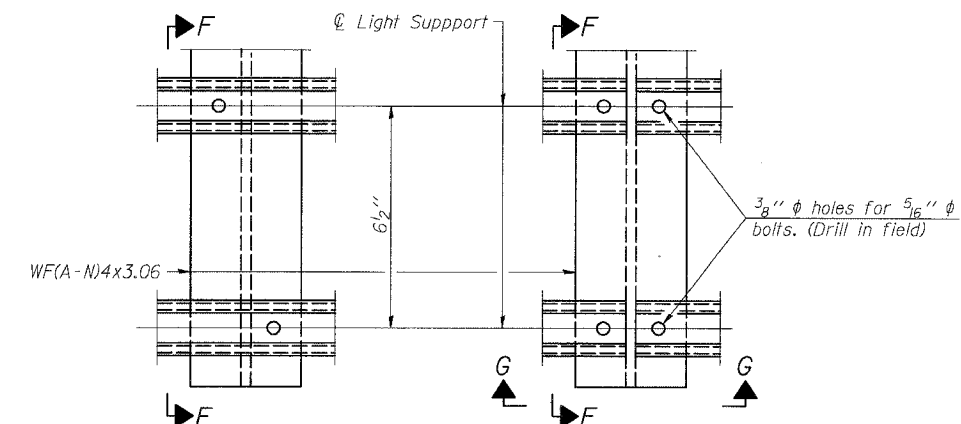


FRONT ELEVATION

HANDRAIL DETAILS

Handrail pipe shall be ASTM B241, Alloy 6063-T6 or Alloy 6061-T6.

- ① Install standard force-fit end caps or weld 1/8" end plates with 1/8" c.f.w. and grind smooth. (All rail ends)
- ② Horizontal handrail member shall be continuous thru fitting. Provide 1/16" hole in fitting for 3/8" bolt. Field drill 1/16" hole in horizontal rail member. Provide locknut and two stainless steel washers for bolt. (Use 5/16" eyebolts in 7/16" holes on top rail at ends only.)



DETAIL F

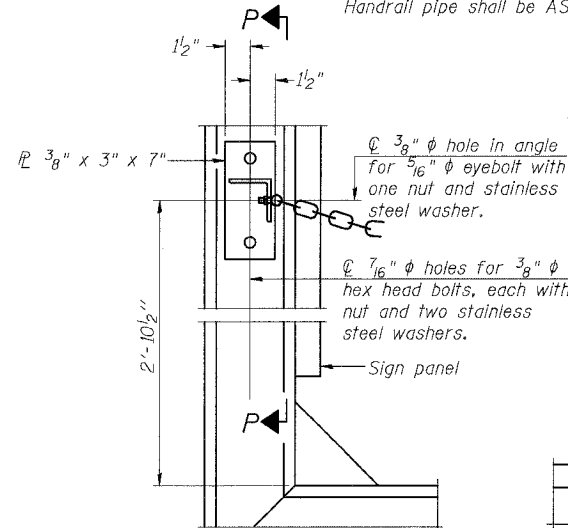
DETAIL G

SECTION F-F

SECTION G-G

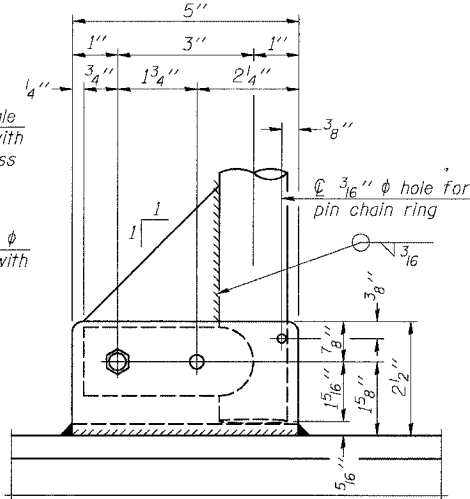
LIGHTING FIXTURE MOUNTS (IF REQUIRED)

- ⑤ Field cut ends of light support channels shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.

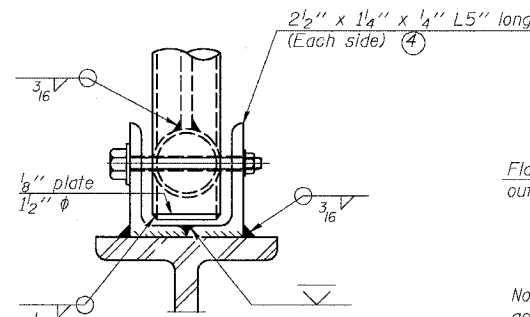


ALTERNATE SAFETY CHAIN ATTACHMENT

(With Sign Present)
Items not shown same as "Side Elevation" of "Handrail Details"



SIDE ELEVATION

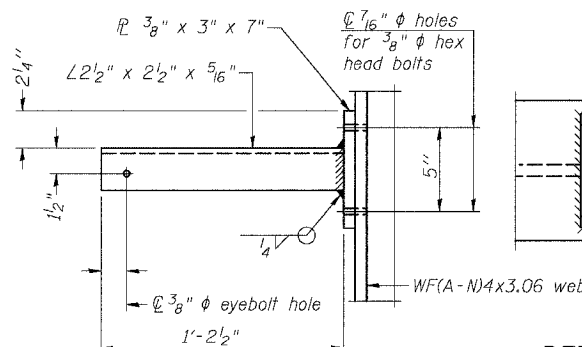


FRONT ELEVATION

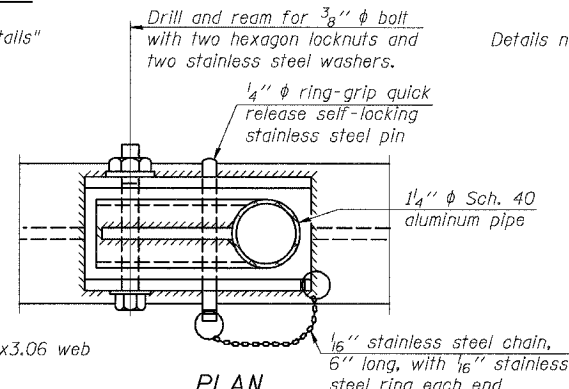
Details not shown same as "ELEVATION" at right.

ELEVATION AT HANDRAIL JOINT

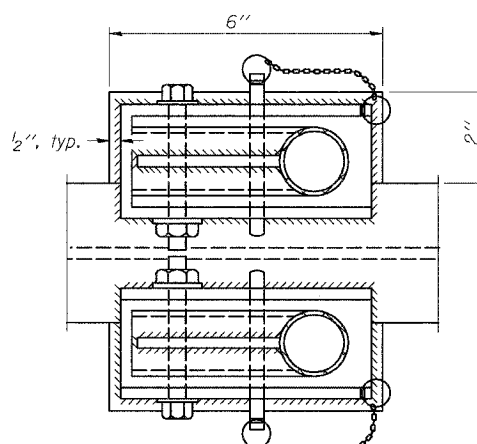
Details not shown same as "FRONT ELEVATION"



SECTION P-P

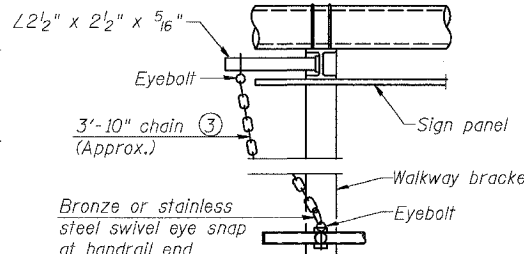


PLAN
DETAIL E HANDRAIL HINGE



PLAN AT HANDRAIL JOINT

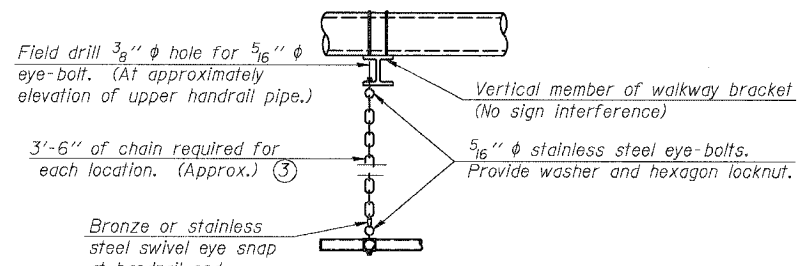
Details not shown same as "PLAN"



ALTERNATE SAFETY CHAIN ATTACHMENT

Details not shown similar to "Safety Chain" Details (Walkway omitted for clarity)

- ③ ** galvanized steel chain, approximately 12 links per foot. Chain to be hot dip galvanized after manufacture and suitable for prolonged exterior exposure. Alternate materials may be substituted with the Engineer's approval.
- ④ Extrusions may be used in lieu of the details shown, with approval of the Engineer.



SAFETY CHAIN

One required for each end of each walkway.

DESIGNED	MSA	20
CHECKED	AS	EXAMINED
DRAWN	RV	PASSED
CHECKED	MSA	ENGINEER OF STRUCTURAL SERVICES
		ENGINEER OF BRIDGES AND STRUCTURES

OSC-A-8

1-7-05

NUMBER	REVISION	DATE

CANTILEVER SIGN STRUCTURES
HANDRAIL DETAILS
ALUMINUM TRUSS & STEEL POST
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
OVERHEAD SIGN STRUCTURES
(CANTILEVER)

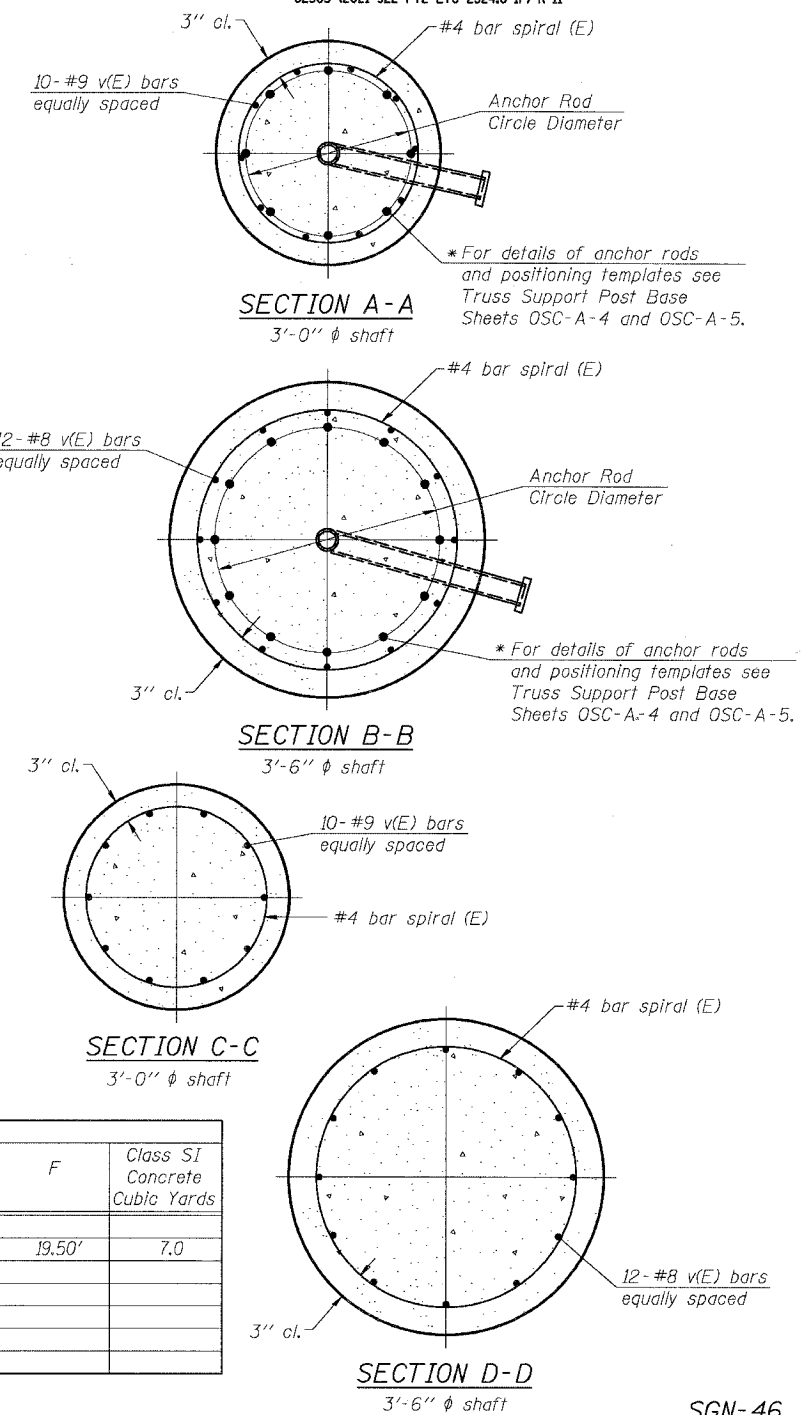
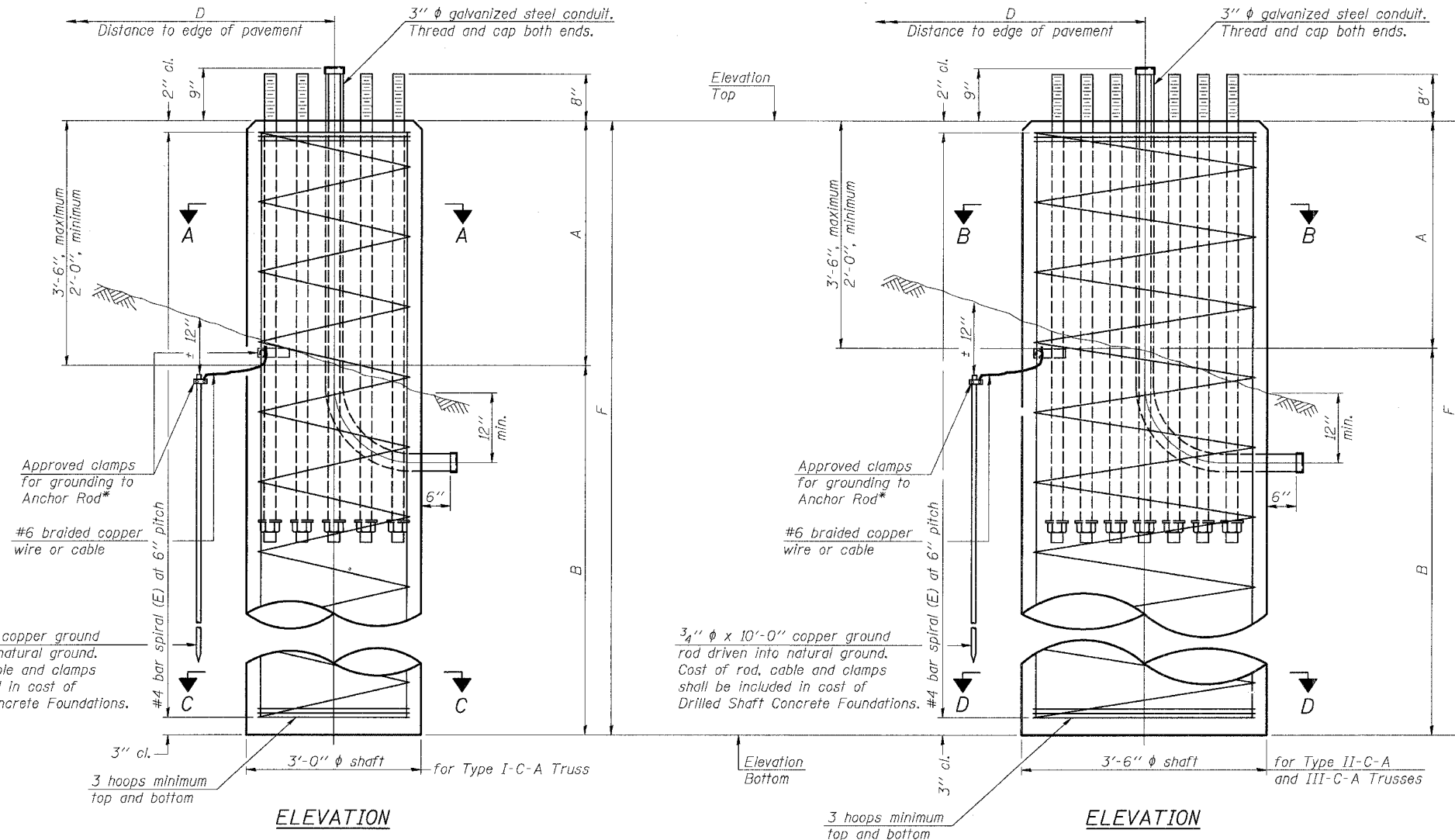
SGN-45

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
94/90	*	COOK	588	296
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

* 62303 (2021-922 FT2 ETC 2324.6-1P) R-11

* Grind anchor rod to bright finish at ground clamp location before installing clamp.



NOTES:
The foundation dimensions shown in the Foundation Design Table are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Q_u) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown in the Foundation Data Table will be the result of site specific designs.
If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.
No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.
Concrete shall be placed monolithically, without construction joints.
Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.
A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in "Drilled Shaft Concrete Foundation".

Structure Number	Station	Truss Type	Shaft Diameter	Elevation Top	Elevation Bottom	Q_u	A	B	F	Class SI Concrete Cubic Yards
1C0161094R055.20	3609+65	II-C-A	3.5'	3.55'	-15.95'		2.50'	17.0'	19.50'	7.0

Truss Type	Post Base Sheet	Maximum Cantilever Length (ft)	Maximum Total Sign Area (sq ft)	Shaft Diameter (in)	"B" Depth (ft)	Anchor Rods		Anchor Rod Circle Diameter (in)
						No.	Diameter (in)	
I-C-A	OSC-A-4	25	170	3.0	16.0	8	2	22
II-C-A	OSC-A-5	30	170	3.5	17.0	12	2	30
II-C-A	OSC-A-5	30	340	3.5	21.5	12	2	30
III-C-A	OSC-A-5	35	170	3.5	19.0	12	2	30
III-C-A	OSC-A-5	35	250	3.5	22.5	12	2	30
III-C-A	OSC-A-5	35	400	3.5	26.5	12	2	30
III-C-A	OSC-A-5	40	400	3.5	32.0	12	2	30

DESIGNED	MSA
CHECKED	AS
DRAWN	RV
CHECKED	MSA

EXAMINED	20
PASSED	ENGINEER OF STRUCTURAL SERVICES
	ENGINEER OF BRIDGES AND STRUCTURES

NUMBER	REVISION	DATE

OSC-A-9

1-7-05

SGN-46

**CANTILEVER SIGN STRUCTURES
DRILLED SHAFT
ALUMINUM TRUSS & STEEL POST**
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
OVERHEAD SIGN STRUCTURES
(CANTILEVER)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	297
FED. ROAD DIST. NO. 7	ILLINOIS	FED. ROAD PROJECT		

* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11

GENERAL NOTES

SPECIFICATIONS:

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications") (2)

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 80 M.P.H. WIND VELOCITY PLUS 30% GUST FACTOR

WIND LOADING: 35 p.s.f. normal to Sign Panel Area and truss elements not behind sign Loading Diagram.

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

MINIMUM CLEARANCE: 3" greater than bridge members at all locations. (All Obstructions)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 Structural Welding Code (Steel) and the Standard Specifications.

MATERIALS: All Structural Steel Pipe shall be ASTM A53 Grade B with a minimum yield of 35,000 p.s.i., or A500 Grade B or C with a minimum yield of 46,000 p.s.i. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53.

All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 (M183, M223 Gr. 50).

HIGH STRENGTH BOLTS: All bolts, washers, nuts and locknuts shall satisfy the requirements of ASTM designation A307 unless noted as "H.S." which shall require AASHTO M164 (A325), ASTM A449, or approved alternate. All fasteners shall be hot dip galvanized per AASHTO M232 unless otherwise specified.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: All threaded rod conforming to ASTM A307, 3/4" ϕ x 12" long, each with one plate washer and locknut and be hot dip galvanized per AASHTO M232. They shall be either cast into the concrete or epoxy grouted in accordance with Section 584 of the Standard Specifications. Minimum embedment in concrete shall be 9".

- Bracket spacing $g \leq 6'-0"$ max. Spacing shall be uniform if possible but may vary $\pm 6"$ to miss existing obstruction (rail post, light poles, web stiffeners, splice plates, etc.). Adjust bracket lengths accordingly on skewed structures.
- Any design modifications shall be based on the current version of applicable specifications and submitted for the Engineer's approval.
- Unit price includes grating, handrail, brackets, supports, anchor bolts, fasteners, fabrication, delivery, erection, field drilling and other necessary items. Limits of payment are based on grating length (c_w , d_w) unless otherwise specified.

- For Safety Chain Details and Details D, F and G, see Base Sheet BM-4 Special.
- If walkway bracket at safety chain location is behind sign, add angle to bracket. See detail on Base Sheet BM-4 Special.

NUMBER	REVISION	DATE

TOTAL BILL of MATERIAL

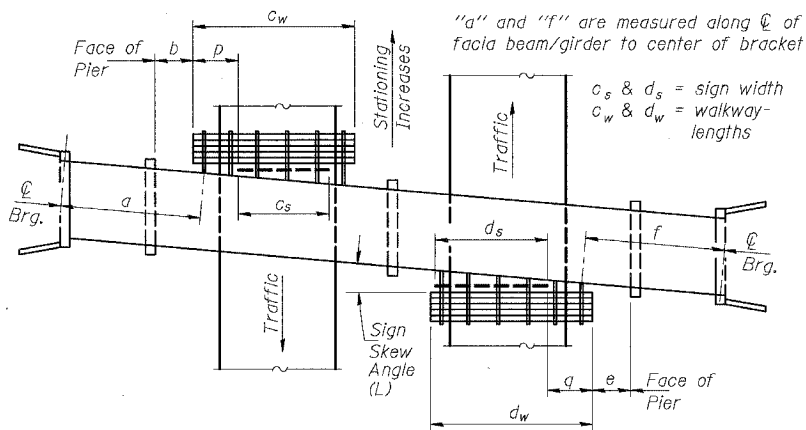
③ OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	Foot	103.75'
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SGN-47

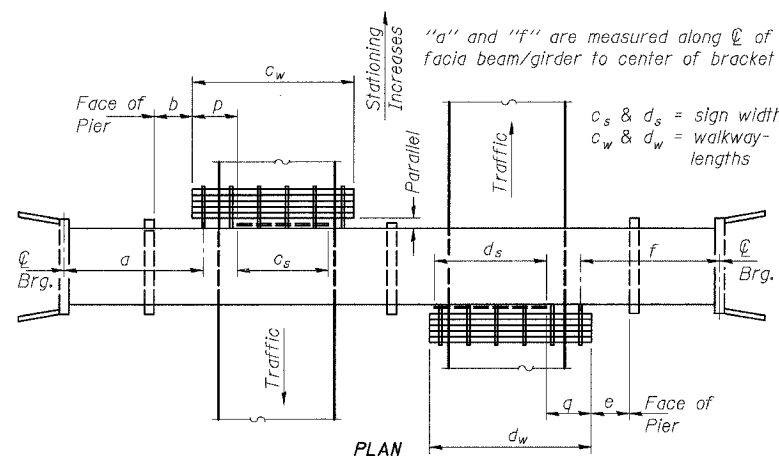
BRIDGE MOUNT SIGN STRUCTURES
GENERAL PLAN AND ELEVATION

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)

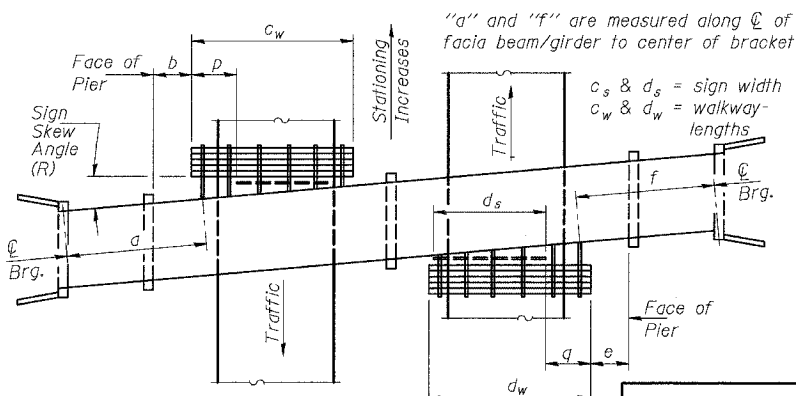
OVERHEAD SIGN STRUCTURES
(BRIDGE MOUNTED)



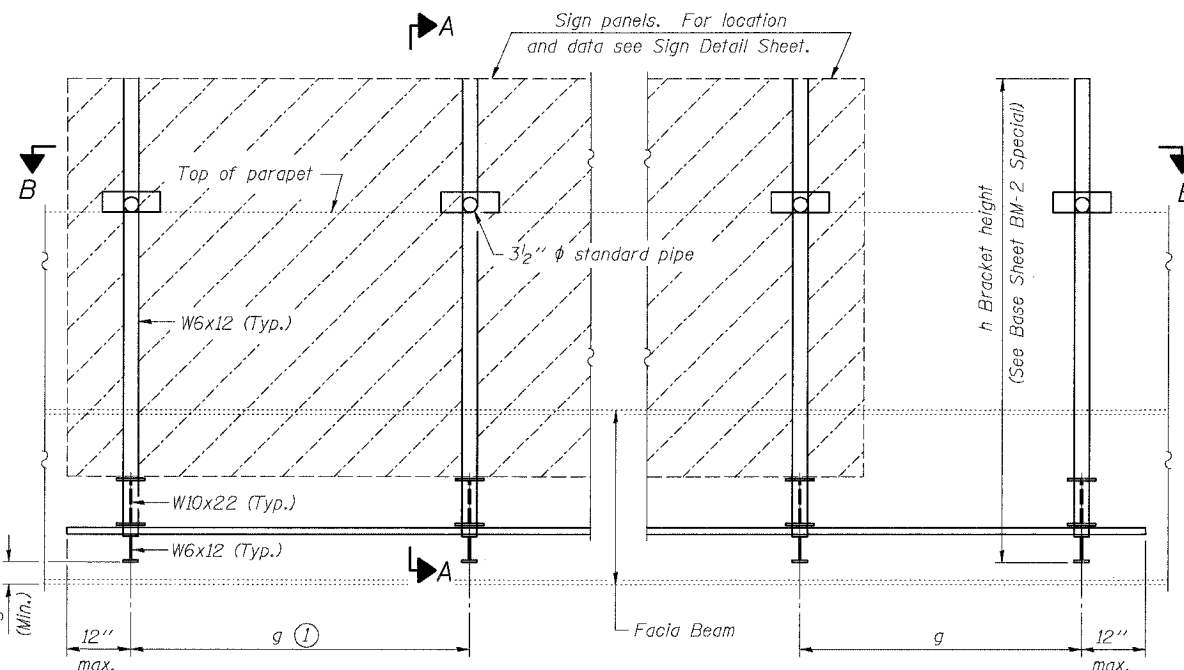
PLAN
(Left Sign Skew > 15°)
WALKWAY AND HANDRAIL SKETCH
(Road plan beneath structure varies.)



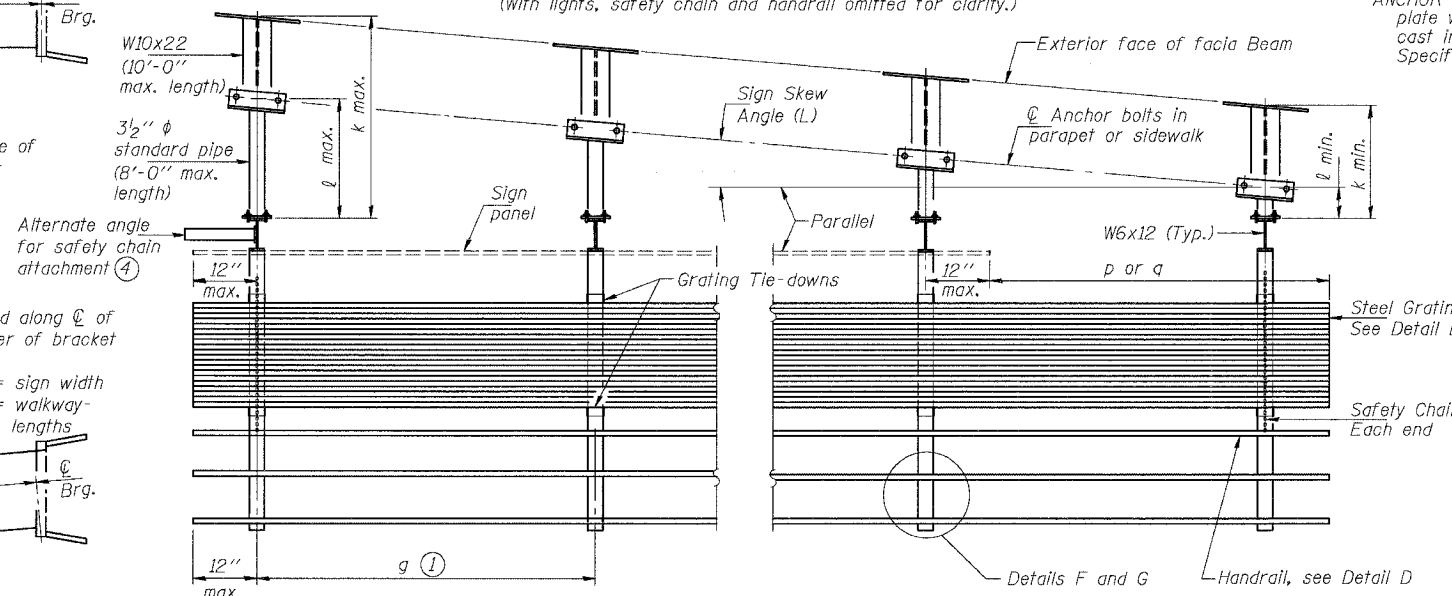
PLAN
(For Sign Skew $\leq 15^\circ$, all brackets constant)
WALKWAY AND HANDRAIL SKETCH
(Road plan beneath structure varies.)



PLAN
(Right Sign Skew > 15°)
WALKWAY AND HANDRAIL SKETCH
(Road plan beneath structure varies.)



TYPICAL FRONT ELEVATION
(With lights, safety chain and handrail omitted for clarity.)



SECTION B-B
(Shown: Left Sign Skew > 15°)

Structure Number	Sign Skew Angle (L) or (R)	Bridge Station	Bridge Structure Number	Contract Route Designation	a	b	c _s	c _w	d _s	d _w	e	f	g	No. of Brackets (Total)	p	q	Total Grating/Hndrl. Lengths (c _w + d _w)
1B0161094L054.97	0	3622+60±	016-1158	I-94	-	-	-	-	15'/10.5'	52.5'	10.46'	50.58'	5.5'/4.5'/4'	12	-	4.0'	52.5'
1B0161094L054.70	0	3635+95±	016-1159	I-94	-	-	-	-	15'/11'	51.25'	8'	49.208'4'/4.5'/5.25'	12	-	10.125'	51.25'	

Dimensions a, b, e, f & g may vary as approved by the Engineer, see (1).
When $c_w < c_s$ and/or $d_w < d_s$, use alternate brackets without walkway supports where applicable, see (3).

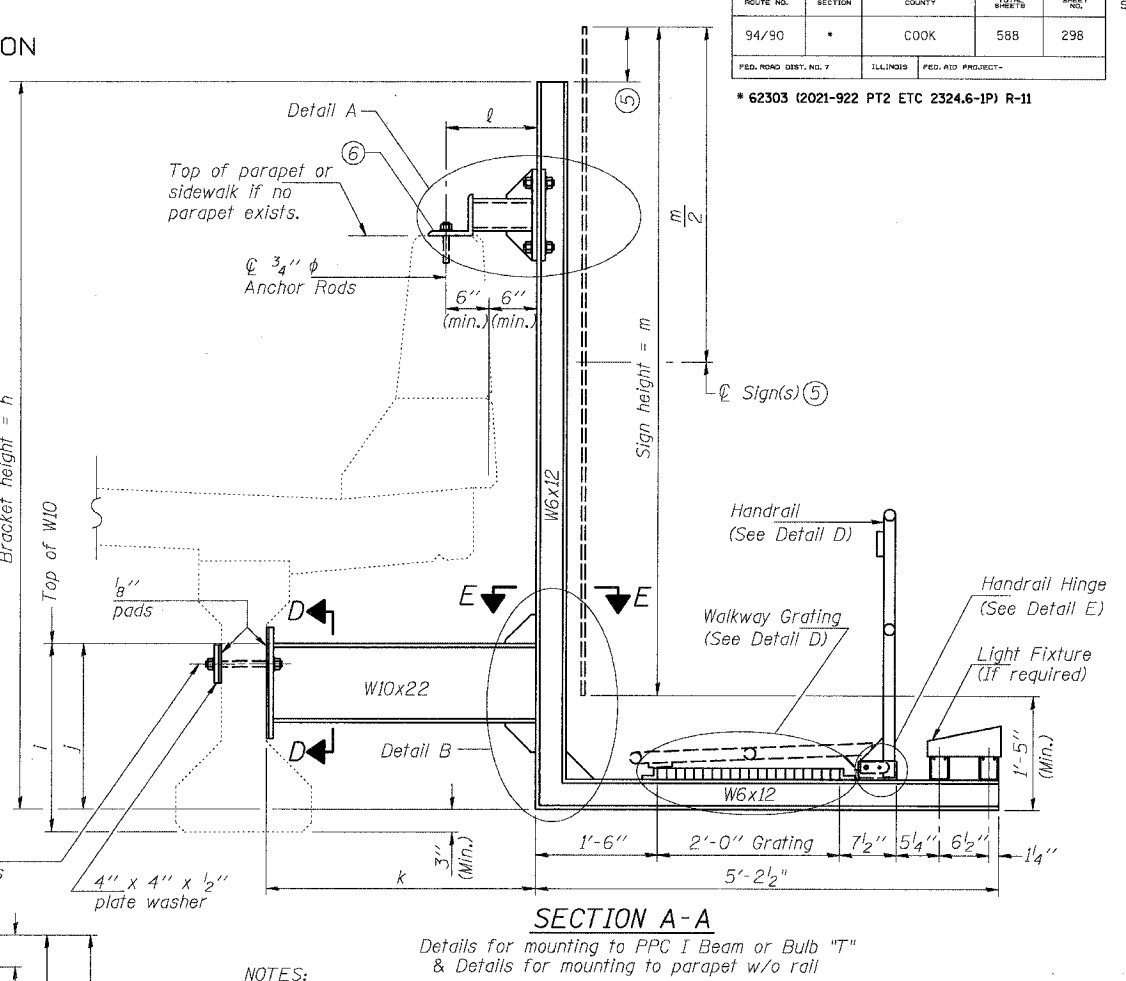
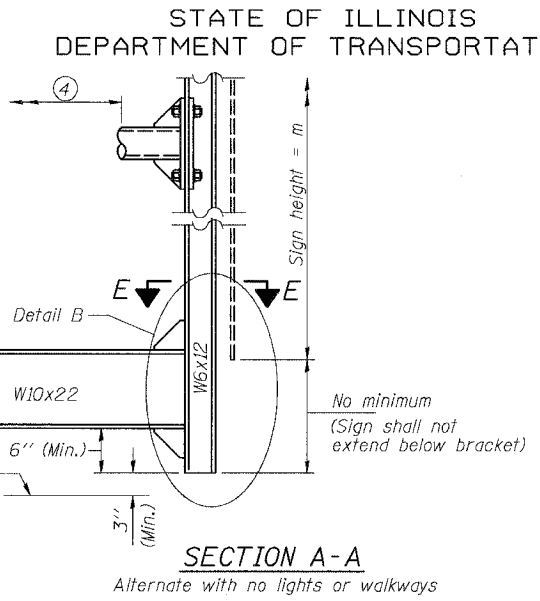
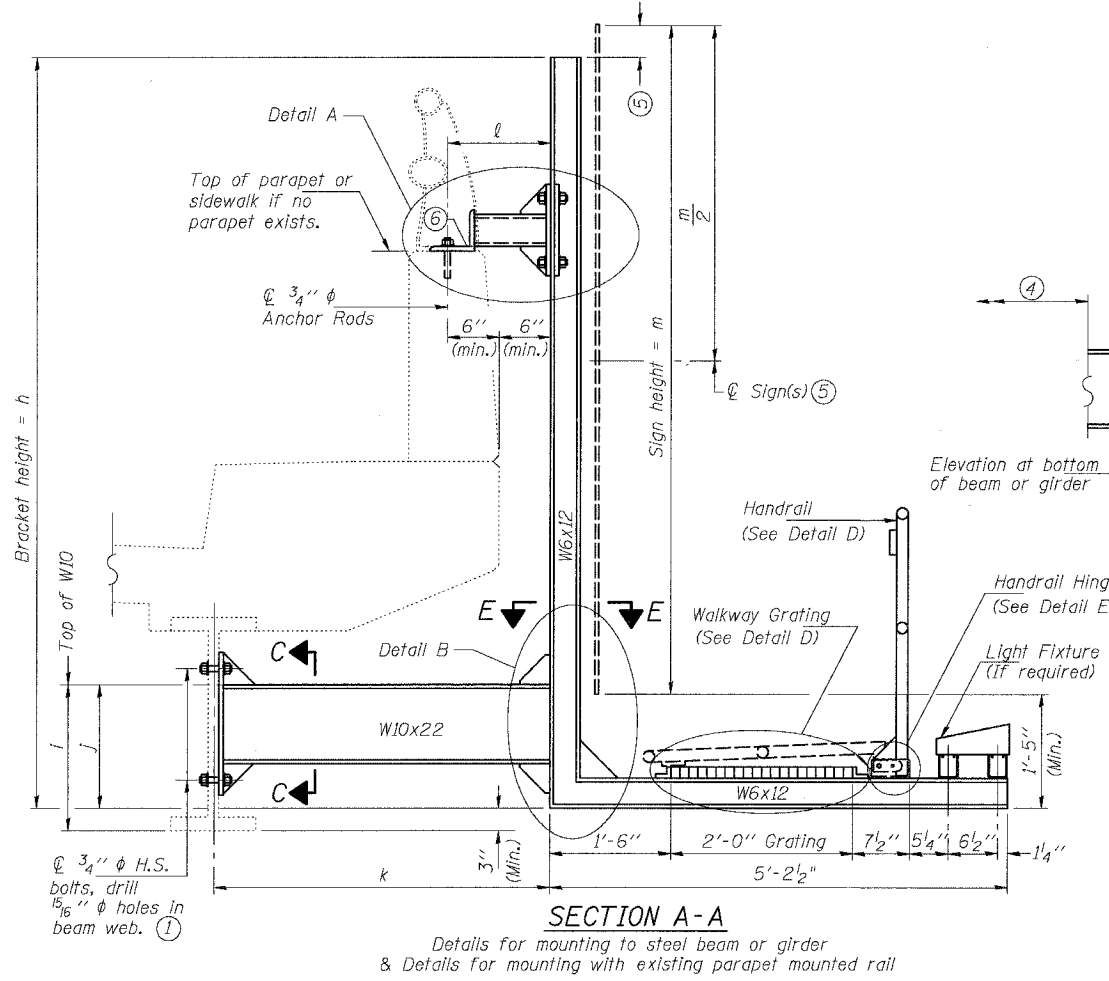
DESIGNED -	20
CHECKED -	EXAMINED
DRAWN -	PASSED
CHECKED -	ENGINEER OF BRIDGES AND STRUCTURES

BM-1 Special 1/7/05

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET	SHEET NO.
94/90	*	COOK	588	298	- SHEETS
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					

* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11



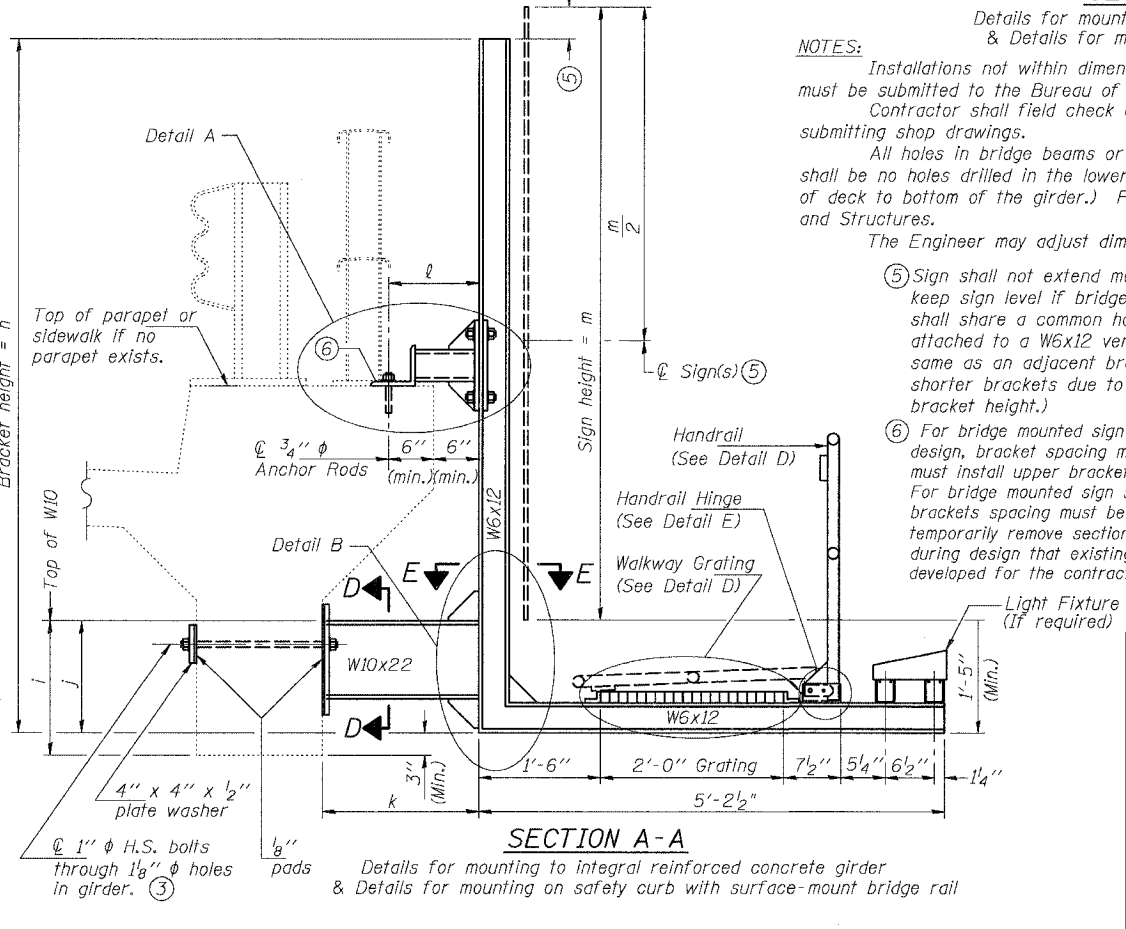
Structure Number	Station	h	l	j	k max. (10'-0" max.)	l max. (8'-0" max.)	m (15'-0" max.)
1B0161094L054.97	3622+60±	10.42'	1.67'	1.42'	3.50'	1.09'	8.5'
1B0161094L054.70	3635+95±	10.42'	1.81'	1.56'	3.50'	1.09'	8.5'

For Details A & B, Sections C-C, D-D and E-E, see Base Sheet BM-3 Special.
For Details D & E, see Base Sheet BM-4 Special.

- Holes in new steel members may be drilled in the fabrication shop or in the field. Field drill existing members.
- For new PPC I beams, holes shall be formed during casting. For existing PPC I beams, prestressing strand locations shall be determined and spaced to miss strands by 6" min. Minimize spalling during field drilling of existing beams.
- For new construction, form holes. For existing RC beams, locate primary reinforcement and space holes to miss by 6" min. Minimize spalling and concrete fracturing/damage during field drilling of existing concrete. Spalls over 1/4" deep or beyond the coverage of the 4x4 plate washer shall be repaired with epoxy mortar before installing washer.

DESIGNED -	20
CHECKED -	EXAMINED
DRAWN -	PASSED
CHECKED -	

NUMBER	REVISION	DATE



NOTES:
Installations not within dimensional limits shown require special analysis for all components and must be submitted to the Bureau of Bridges and Structures for approval.
Contractor shall field check all pertinent existing bridge dimensions shown on plans before submitting shop drawings.
All holes in bridge beams or girders should be located in the middle half of the member's depth. There shall be no holes drilled in the lower quarter of the member's depth. (For R.C. girder, depth = bottom of deck to bottom of the girder.) Proposed exceptions must be approved by the Bureau of Bridges and Structures.
The Engineer may adjust dimension "i" to meet the above condition and to keep the sign level.

- Sign shall not extend more than 6" above top of bracket, and this dimension may vary to keep sign level if bridge is on grade or vertical curve. Multiple signs of various heights shall share a common horizontal centerline and use equal bracket heights. If no sign is attached to a W6x12 vertical (bracket only supporting walkway), dimension h shall be the same as an adjacent bracket with a sign attached, unless Engineer specifically directs shorter brackets due to locational restraints on future uses. (See Detail A for minimum bracket height.)
- For bridge mounted sign structures installed on new bridges with railing, during design, bracket spacing must be coordinated with railing post spacing and the Contractor must install upper brackets prior to railing installation. For bridge mounted sign structures installed on existing bridges with railing, during design, brackets spacing must be coordinated with railing post spacing and the Contractor must temporarily remove sections of railing to facilitate upper bracket installation. If it is determined during design that existing railings can't be removed, alternate upper connection details must be developed for the contract plans and approved by the Bureau of Bridges and Structures.

SGN-48

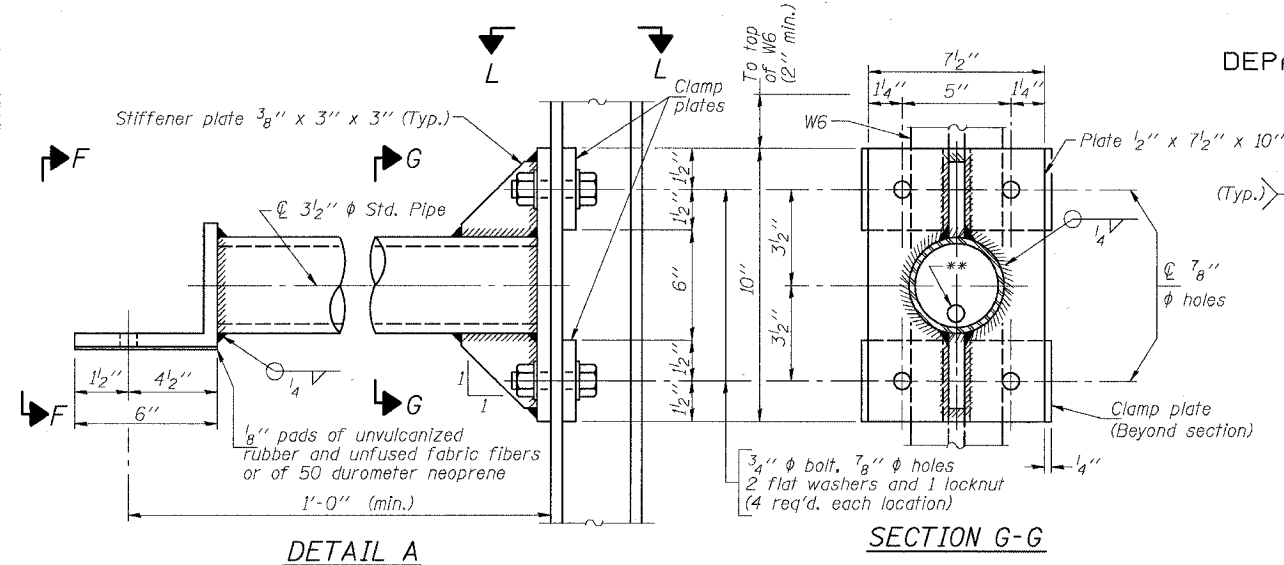
**BRIDGE MOUNT SIGN STRUCTURES
WALKWAY AND CONNECTION DETAILS**

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)

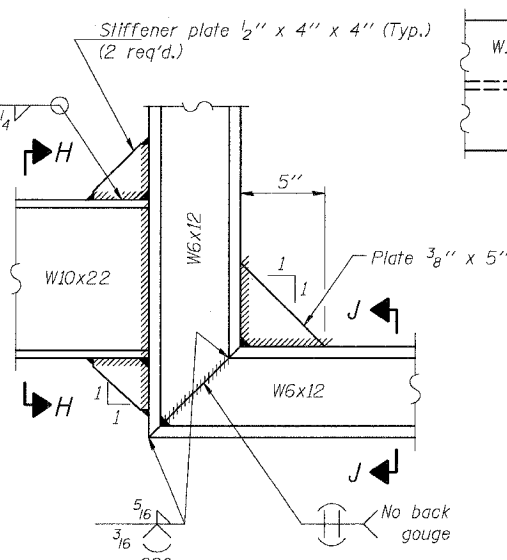
**OVERHEAD SIGN STRUCTURES
(BRIDGE MOUNTED)**

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

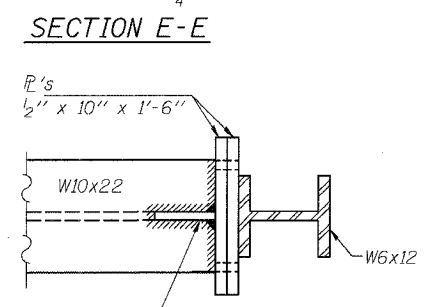
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO.
94/90	*	COOK	588	299	- SHEETS
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT-					
* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11					



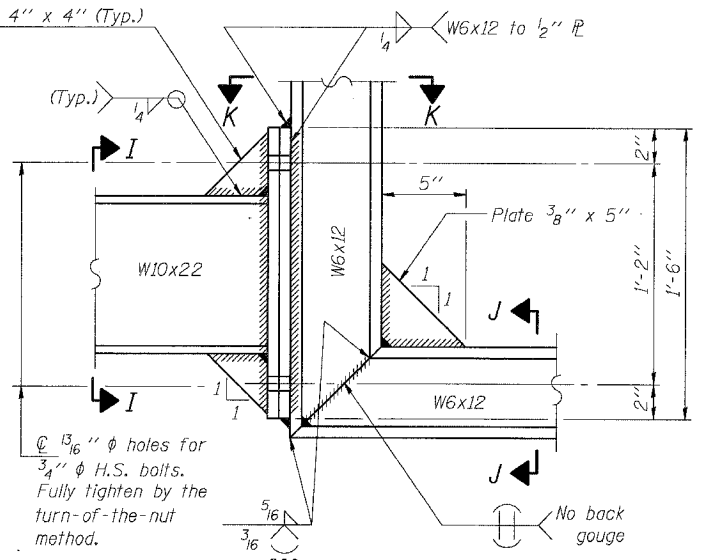
DETAIL A



DETAIL B - WELDED
W10x22 TO W6x12 CONNECTION

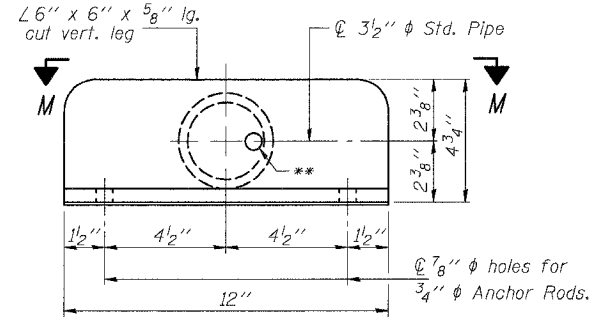


SECTION E-E



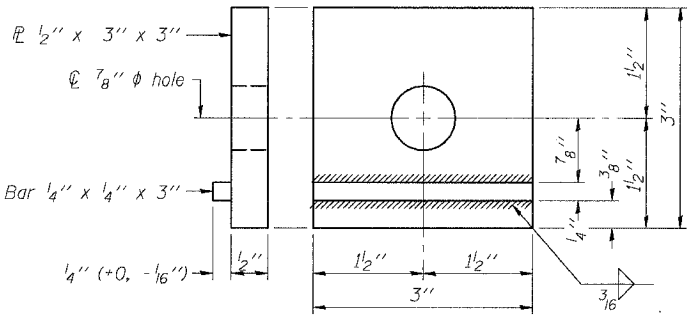
DETAIL B - ALTERNATE BOLTED
W10x22 TO W6x12 CONNECTION

Alternate may be substituted by contractor to facilitate construction or galvanizing, especially on long struts for skewed bridges.

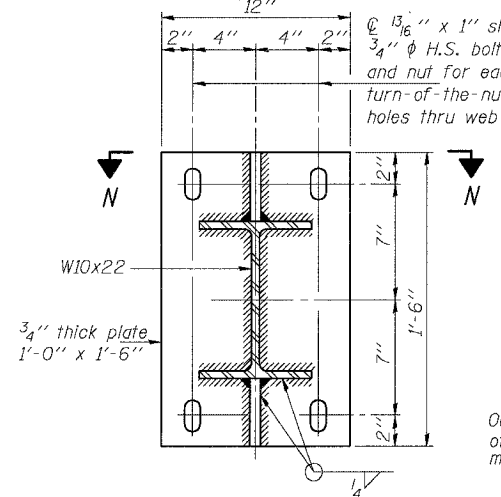


VIEW F-F

**13/16\"/>

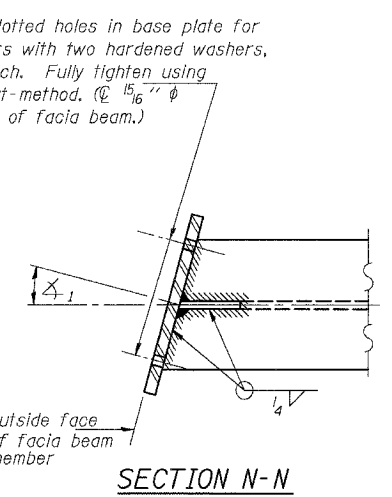


CLAMP PLATE DETAILS



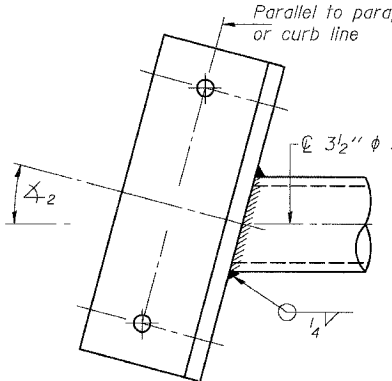
SECTION C-C

Steel beam or girder connection plate details



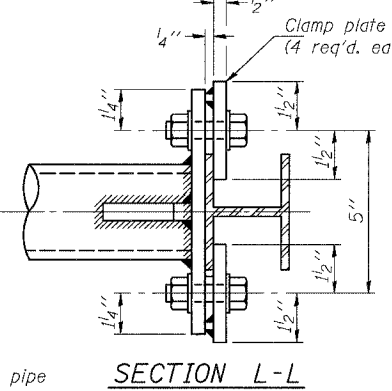
SECTION N-N

Skewed connection detail for W10x22 to fascia beam.

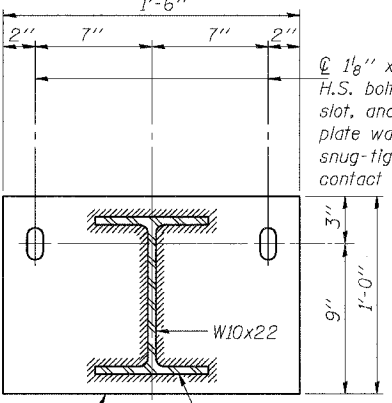


SECTION M-M

Skewed connection detail for 3/2\"/>



SECTION L-L



SECTION D-D

Concrete beam or girder connection plate details.

DESIGNED	- MSA
CHECKED	- AS
DRAWN	- MD
CHECKED	- MSA

EXAMINED	20	ENGINEER OF BRIDGE DESIGN
PASSED		ENGINEER OF BRIDGES AND STRUCTURES

NUMBER	REVISION	DATE

BM-3 Special 1/7/05

BRIDGE MOUNT SIGN STRUCTURES
CONNECTION DETAILS

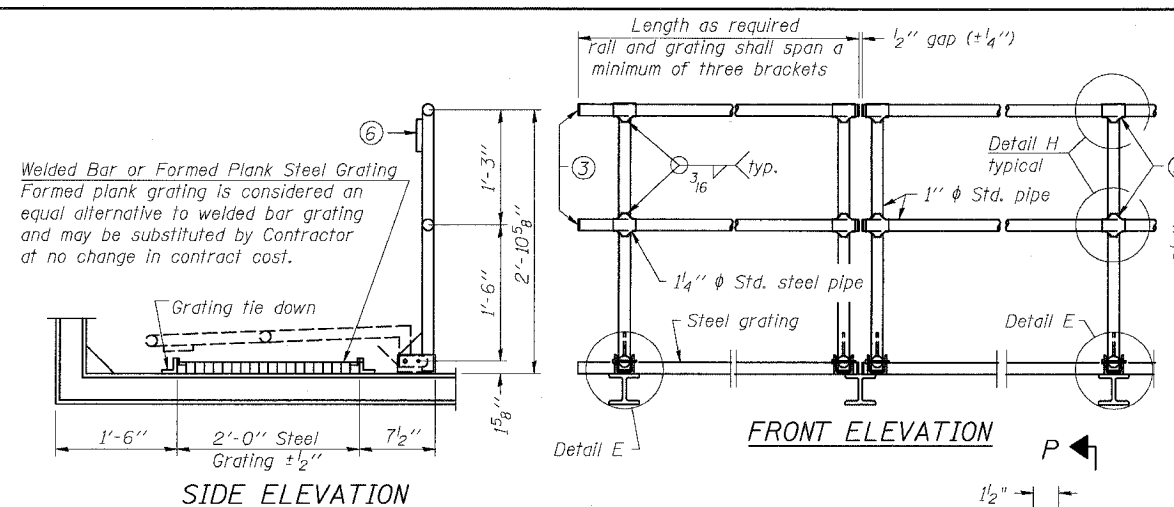
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)

OVERHEAD SIGN STRUCTURES
(BRIDGE MOUNTED)

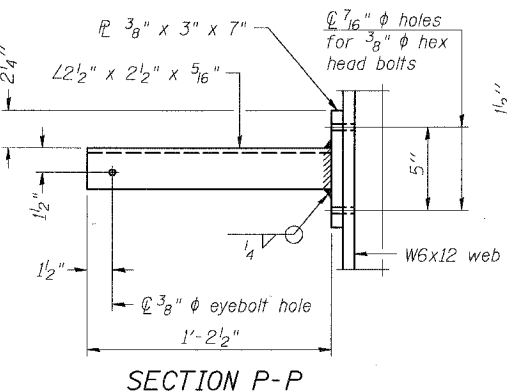
SGN-49

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	300
FED. ROAD DIST. NO. 7		ILLINOIS	FED. ROAD PROJECT	
* 62303 (2021-922 PT2 ETC 2324.6-1P) R-11				



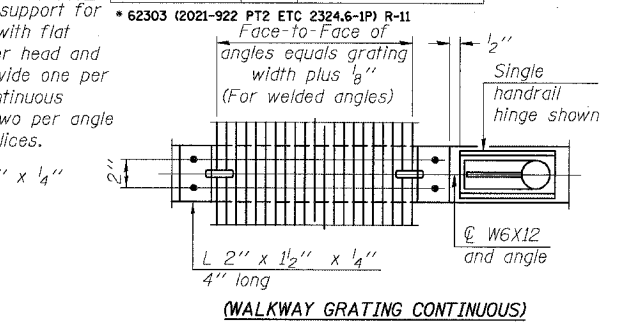
DETAIL D HANDRAIL



SECTION P-P

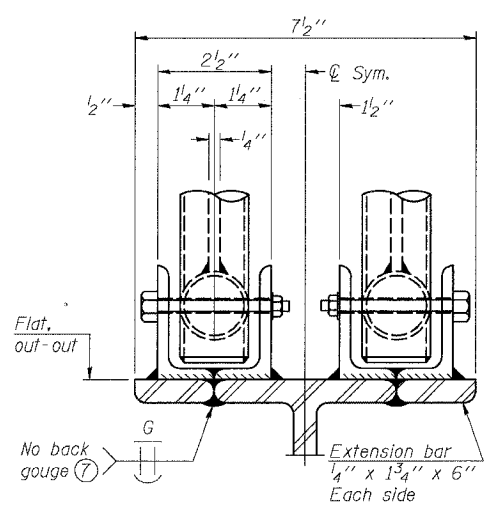
ALTERNATE FORMED PLANK GRATING DETAILS

Plank Grating: nominal depth = 2 1/2" (± 1/2"); perforated or expanded steel sheet with a non-skid surface (non-serrated) concentrated load capacity = 500 lbs. with 6'-0" clear span.



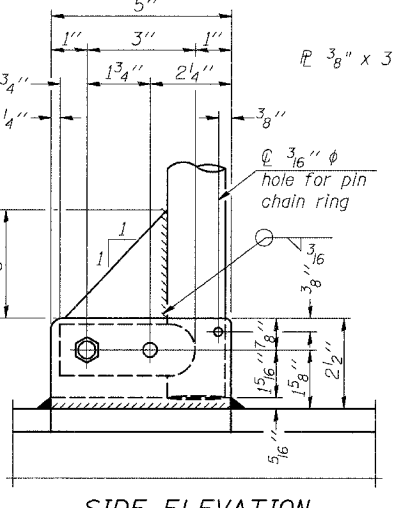
WALKWAY GRATING CONTINUOUS

AT WALKWAY GRATING SPLICE



ELEVATION AT HANDRAIL JOINT

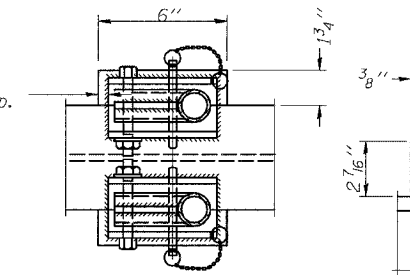
(Details not shown same as "FRONT ELEVATION")



SIDE ELEVATION

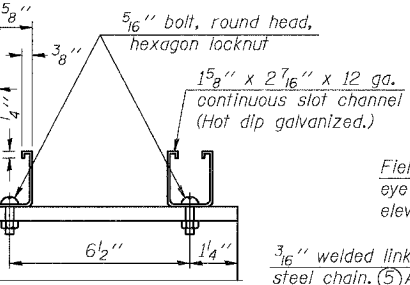
SAFETY CHAIN ATTACHMENT

(With Sign Present)
Items not shown same as "SIDE ELEVATION" and "SAFETY CHAIN"



PLAN AT HANDRAIL JOINT

(For Details, see Elevations.)



SECTION F-F LIGHTING FIXTURE MOUNTS

(If required)

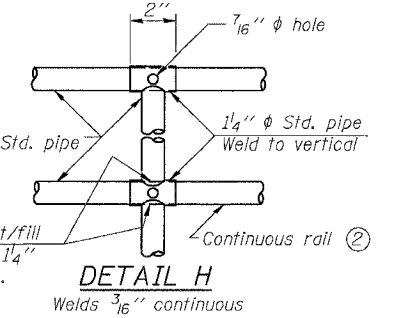
NOTES

- Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment. Field drilled holes must be touched up with galvanized paint.
- Horizontal rail member shall be continuous thru 1 1/4" * pipe. Provide 7/16" * hole in fitting for 3/8" * bolt. Field drill 7/16" * hole in horizontal rail member. Provide washer and locknut for bolt. *Use 5/16" eyebolts in 7/16" * holes on top rail at ends only.*
- Install standard force-fit end caps or weld 1/8" end plates with 1/8" c.f.w. and grind smooth. *All rail ends.*
- 3/8" * 1/4" * gap between grating panels at splice.
- Chain to be hot dip galvanized after manufacture or stainless steel suitable for prolonged exterior exposure. Approximately 3'-6" long chain per location. Maximum sag with handrail erected = 4".
- 1/8" x 1/2" x 2" welded to handrail posts to protect locations that contact grating.
- Extrusions may be used in lieu of details shown, with approval by Engineer.
- Field cut ends of light support channels shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.

NUMBER	REVISION	DATE

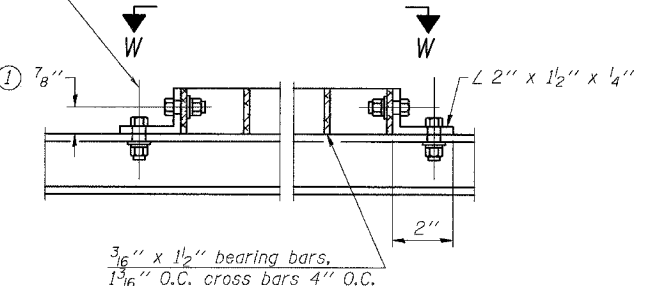
DESIGNED - MSA	EXAMINED	20
CHECKED - AS	ENGINEER OF BRIDGE DESIGN	
DRAWN - MD	PASSED	
CHECKED - MSA	ENGINEER OF BRIDGES AND STRUCTURES	

BM-4 Special 1/7/05

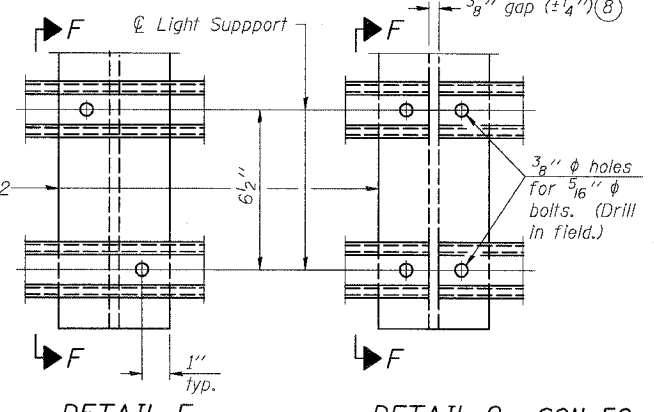


DETAIL H SAFETY CHAIN

One (1) required for each end of each walkway.



WELDED BAR GRATING DETAILS



DETAIL F DETAIL G SGN-50

BRIDGE MOUNT SIGN STRUCTURES
WALKWAY DETAILS

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31st STREET (SB LOCAL LANES)
OVERHEAD SIGN STRUCTURES
(BRIDGE MOUNTED)