EROSION CONTROL ITEMS

FROM STATION	TO STATION	TEMPORARY EROSION CONTROL SEEDING	PERIMETER EROSION CONTROL BARRIER	EROSION CONTROL BLANKET
		POUND	FOOT	SQ YD
15TH STREET				
3+00.00	6+80.17	161		
8+94.84	13+93.36	219		
ST. CLAIR AVENUE				
32+44.12	37+99.21	166		
BAUGH AVENUE				
5+00.00	7+50.67	62		
110+00.00	117+36.09	68		
EB I-64				
38+76.85	48+40.80	992	990	
48+12.10	48+40.80			131
48+98.68	56+18.59	331	685	
WB I-64				
94+51.01	94+99.18			210
94+60.64	105+15.26	525	1100	
RAMP A				
14+90.19	15+54.28			346
14+90.19	18+80.23	410	339	
RAMP B				
10+57.43	16+01.67	519	415	
RAMP E				
10+91.65	18+65.19	475	759	
17+76.19	18+64.61			422
TOTAL		**3858**	**4288**	**1109**

TEMPORARY DITCH CHECKS AND INLET AND PIPE PROTECTION

STATION	OFFSET	TEMPORARY DITCH CHECKS	INLET AND PIPE PROTECTION
		FOOT	EACH
15TH STREET			
4+00.00	29.00' LT		1
4+00.00	20.95' RT		1
4+49.91	51.54' LT		1
5+86.00	23.00' LT		1
5+86.00	27.00' RT		1
9+48.26	22.80' RT		1
9+35.00	43.00' LT		1
10+60.00	21.00' RT		1
10+60.00	29.50' LT		1
11+60.00	21.00' RT		1
11+60.00	29.00' LT		1
BAUGH AVENUE			
5+85.00	37.00' RT		1
110+70.00	22.00' LT		1
112+50.00	14.00' RT		1
114+50.00	14.00' RT		1
ST. CLAIR AVENUE			
28+75.00	25.00' RT		1
29+40.00	25.30' RT		1
30+50.00	25.50' RT		1
30+60.00	29.00' RT		1
31+45.00	25.00' LT		1
33+05.00	26.00' LT		1
33+40.00	25.00' RT		1
35+40.00	29.00' LT		1
35+90.00	39.00' RT		1
36+90.00	41.00' RT		1
37+97.79	25.84' LT		1
38+30.00	25.00' RT		1
38+39.97	29.50' RT		1
39+50.00	25.00' RT		1
39+59.06	28.80' RT		1
EB I-64			
39+05.20	74.77' RT		1
40+72.65	83.25' RT	4	
42+03.01	76.62' RT		1
WB I-64			
88+12.00	46.00' RT		1
89+70.00	46.00' RT		1
90+54.67	46.00' RT		1
100+70.04	74.71' RT		1
101+04.39	74.77' RT	12	
101+34.71	45.75' RT		1
103+41.58	74.16' RT	8	
103+98.81	71.13' RT	4	
104+32.23	70.79' RT		1

STATION	OFFSET	TEMPORARY DITCH CHECKS	INLET AND PIPE PROTECTION
		FOOT	EACH
RAMP A			
7+69.59	32.64' RT	8	
8+61.35	29.74' RT	13	
9+93.89	4.96' RT		1
10+02.64	30.50' RT		1
11+32.68	31.89' RT	28	
12+33.06	31.10' RT		1
12+40.60	17.53' LT		1
12+83.69	31.84' RT	30	
13+36.84	2.50' RT		1
13+53.77	25.22' RT	13	
15+03.20	20.07' RT		1
15+20.56	28.64' LT		1
15+60.01	36.14' RT		1
15+60.03	28.48' LT	4	
15+72.40	37.20' RT	27	
16+00.96	29.08' LT	4	
16+21.93	38.91' RT	13	
16+37.52	30.43' LT	4	
16+64.33	39.77' RT	8	
16+74.95	31.26' LT	4	
17+03.46	38.17' RT	8	
17+07.15	30.68' LT	4	
17+42.21	38.89' RT	8	
17+43.48	30.10' LT	4	
17+77.34	28.60' LT	4	
17+79.08	39.42' RT	8	
18+12.10	38.57' RT	4	
18+12.82	26.98' LT	4	
18+46.12	25.28' LT	4	
RAMP B			
10+93.23	48.77' RT		1
10+93.23	2.50' RT		1
10+93.23	51.61' LT		1
11+47.64	47.65' LT	20	
12+02.59	47.76' LT	16	
12+16.75	30.49' RT	10	
12+53.46	47.47' LT	8	
12+65.15	29.90' RT	4	
13+19.84	30.53' RT	12	
13+78.05	31.86' RT	8	
14+45.69	33.71' RT	4	
RAMP E			
12+98.25	8.00' RT		1
12+98.25	22.00' LT		1
14+48.00	26.00' LT		1
15+32.75	8.00' RT		1
15+50.72	20.31' RT	8	
15+94.22	19.42' RT	10	
16+36.64	17.96' RT	10	
16+89.27	16.76' RT	12	
17+41.82	22.30' RT	12	
17+50.00	20.61' LT		1
17+88.05	21.27' RT	14	
18+20.05	19.50' RT		1
18+28.97	12.40' LT		1
19+77.45	18.30' RT		1
19+77.95	2.52' RT		1
20+78.59	17.91' RT		1
21+03.38	3.78' RT		1
21+18.38	4.00' RT		1
21+21.72	9.69' LT		1
22+78.48	9.02' RT		1
22+82.44	19.04' RT	4	
23+09.82	22.04' RT		1
TOTAL		**384**	**64**

LEGEND

- REMOVE EXISTING PIPE
- ADJUST EXISTING STRUCTURE TO GRADE
- FILL EXISTING STRUCTURE
- REMOVE EXISTING STRUCTURE
- MANHOLE
- CATCH BASIN
- INLET
- CONCRETE HEADWALL FOR PIPE DRAIN
- AGGREGATE DITCH CHECK
- STORM SEWER
- DITCH LINE
- PIPE UNDERDRAIN
- STRUCTURE DESIGNATION (S 1-08)
- PIPE DESIGNATION (P 1-13)

MATCH LINE STA 38+00
SEE SHEET 7 OF 9

MATCH LINE STA 13+00
SEE SHEET 7 OF 9

20 0 20 40
SCALE IN FEET

ST. CLAIR AVE.
℄ ST. CLAIR AVENUE
PR TEMPORARY EASEMENT
PR ROW
PR ACCESS CONTROL
EX ACCESS CONTROL/EX ROW
EX ACCESS CONTROL
BRIDGE DRAIN PIPE OUTLET (SEE STRUCTURAL PLANS)
BRIDGE UNDERDRAIN OUTLET (SEE STRUCTURAL PLANS)
PIPE UNDERDRAIN 4"
WELL NO. 18
WELL NO. 19 TO BE FILLED
WELL NO. 19
15TH STREET
℄ 15TH STREET
RAMP A
℄ RAMP A
EB I-64
WB I-64
℄ EB I-64
℄ WB I-64
OVERHEAD SIGN
BILLBOARD
VERTICAL RAIL POSTS
MATCH LINE STA 35+50
SEE SHEET 6 OF 9
MATCH LINE STA 16+25
SEE SHEET 6 OF 9
MATCH LINE STA 8+50
SEE SHEET 2 OF 9

EXISTING UTILITIES SHOWN ARE BASED ON S.U.E. INVESTIGATION PROVIDED BY THE DISTRICT. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING EXISTING UTILITIES PRIOR TO CONSTRUCTION.

FILE NAME = *FILEA*	USER NAME = IDOT	DESIGNED - TTB	REVISED -
		DRAWN - TTB	REVISED -
	PLOT SCALE = 20.000 ' / IN.	CHECKED - JAH	REVISED -
	PLOT DATE = 3/18/2010	DATE - 3/19/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN – 15TH STREET

SCALE: 1"=20' | SHEET NO. 1 OF 9 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	102
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

MATCH LINE STA 7+50, SEE SHEET 4 OF 9

MATCH LINE STA 8+50, SEE SHEET 1 OF 9

MATCH LINE STA 111+30, SEE SHEET 3 OF 9

BAUGH AVENUE N

℄ BAUGH AVENUE N

15TH STREET

℄ 15TH STREET

WELL NO. 9 (MAINTAIN)

EX ACCESS CONTROL

PR ACCESS CONTROL

BRIDGE UNDERDRAIN OUTLET (SEE STRUCTURAL PLANS)

BRIDGE DRAIN PIPE OUTLET (SEE STRUCTURAL PLANS)

PIPE UNDERDRAIN 4"

WELL NO. 10

EX ACCESS CONTROL

PR EASEMENT

PR TEMPORARY EASEMENT

EX ROW

PR TEMPORARY EASEMENT

PR TEMPORARY EASEMENT

EX ROW

GETHSEMANE CHURCH

CHURCH

CHURCH PARKING LOT

ILLINOIS POWER & GAS

TRANSVERSE FIBER

AMEREN

GOES OVERHEAD

TRANSFORMER

CHARTER COMMUNICATIONS

ILLINOIS POWER & GAS

RET WALL

GRVL

BIT

CONC

AC

OVERFLOW DITCH

24" CMAB

12" CMAB

6" LIME

18" RAMP E

2" DUCT

EXISTING UTILITIES SHOWN ARE BASED ON S.U.E. INVESTIGATION PROVIDED BY THE DISTRICT. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING EXISTING UTILITIES PRIOR TO CONSTRUCTION.

N

20 0 20 40
SCALE IN FEET

LEGEND

- REMOVE EXISTING PIPE
- ADJ ADJUST EXISTING STRUCTURE TO GRADE
- F FILL EXISTING STRUCTURE
- R REMOVE EXISTING STRUCTURE
- MANHOLE
- CATCH BASIN
- INLET
- CONCRETE HEADWALL FOR PIPE DRAIN
- AGGREGATE DITCH CHECK
- STORM SEWER
- DITCH LINE
- PIPE UNDERDRAIN
- S 1-08 STRUCTURE DESIGNATION
- P 1-13 PIPE DESIGNATION

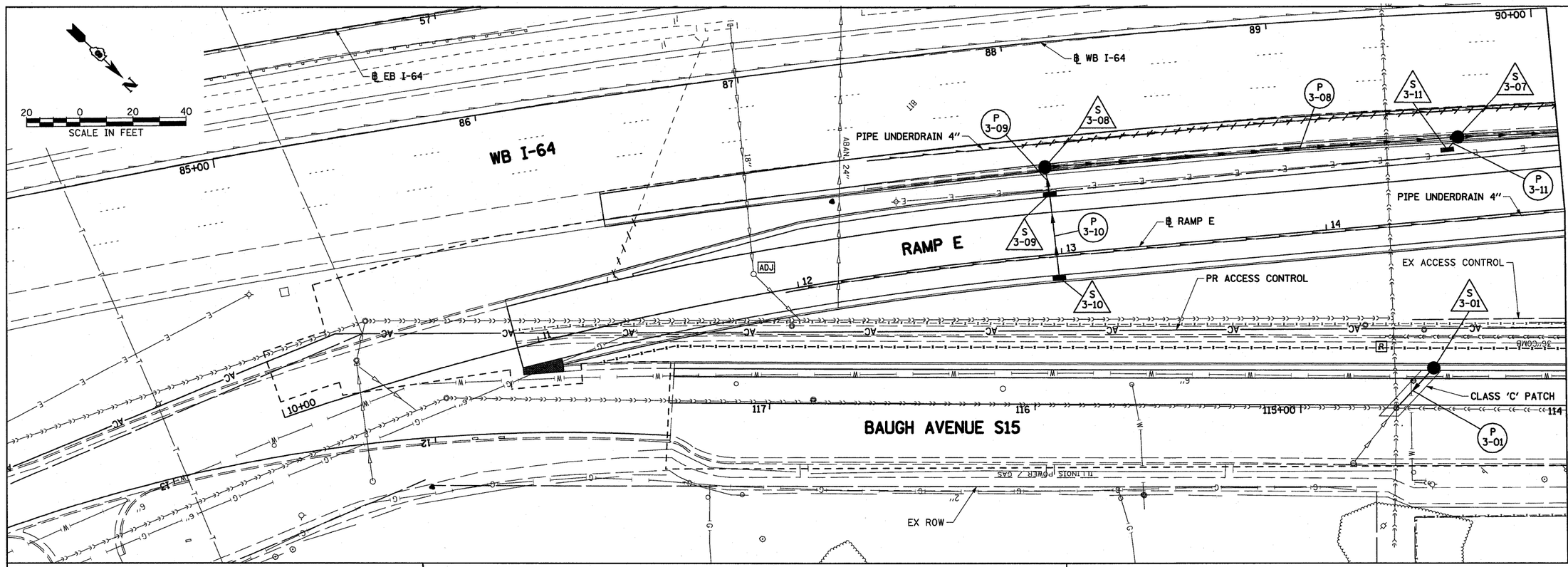
FILE NAME = $FILEA$	USER NAME = IDOT	DESIGNED - TTB	REVISED -
		DRAWN - TTB	REVISED -
	PLOT SCALE = 20.000 ' / IN.	CHECKED - JAH	REVISED -
	PLOT DATE = 3/18/2010	DATE - 3/19/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN – 15TH STREET

SCALE: 1"=20' | SHEET NO. 2 OF 9 SHEETS | STA. | TO STA.

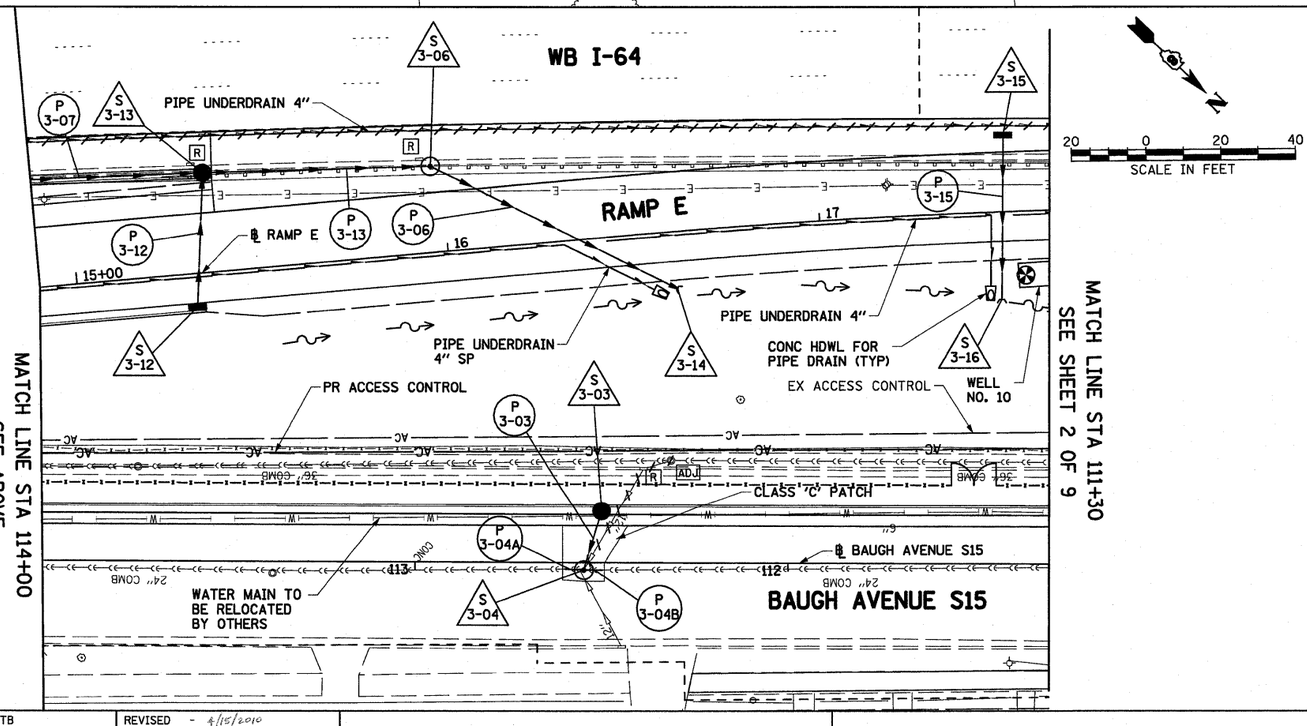
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	103
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND

- REMOVE EXISTING PIPE
- ADJ — ADJUST EXISTING STRUCTURE TO GRADE
- F — FILL EXISTING STRUCTURE
- R — REMOVE EXISTING STRUCTURE
- MANHOLE
- CATCH BASIN
- INLET
- CONCRETE HEADWALL FOR PIPE DRAIN
- AGGREGATE DITCH CHECK
- STORM SEWER
- DITCH LINE
- PIPE UNDERDRAIN
- S 1-08 — STRUCTURE DESIGNATION
- P 1-13 — PIPE DESIGNATION

EXISTING UTILITIES SHOWN ARE BASED ON S.U.E. INVESTIGATION PROVIDED BY THE DISTRICT. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING EXISTING UTILITIES PRIOR TO CONSTRUCTION.



FILE NAME = $FILEA$	USER NAME = IDOT	DESIGNED - TTB	REVISED - 4/15/2010	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN – RAMP E
		DRAWN - TTB	REVISED -		
	PLOT SCALE = 40.000 ' / IN.	CHECKED - JAH	REVISED -		SCALE: 1"=20' | SHEET NO. 3 OF 9 SHEETS | STA. | TO STA.
	PLOT DATE = 4/13/2010	DATE - 3/19/2010	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	104
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

MATCH LINE (SEE ST. CLAIR AVENUE SHEETS)

EB I-64

WB I-64

RAMP E

EX ENTRANCE RAMP

BAUGH AVENUE N

℄ EB I-64

℄ WB I-64

℄ RAMP E

℄ BAUGH AVENUE N

PIPE UNDERDRAIN 4"

AGGREGATE DITCH CHECK (TYP)

WELL NO. 8 (MAINTAIN)

WELL NO. 7 (MAINTAIN)

EX ACCESS CONTROL

RETAINING WALL

PR TEMPORARY EASEMENT

PR EASEMENT

EX ROW

P 4-04 P 4-03 S 4-03 S 4-04 P 4-01 S 4-01 P 4-05 S 4-05 P 4-04A S 4-02

ADJ

SCALE IN FEET 20 0 20 40

MATCH LINE STA 7+50, SEE SHEET 2 OF 9

MATCH LINE STA 508+60, SEE SHEET 5 OF 9

LEGEND

- REMOVE EXISTING PIPE
- ADJ — ADJUST EXISTING STRUCTURE TO GRADE
- F — FILL EXISTING STRUCTURE
- R — REMOVE EXISTING STRUCTURE
- MANHOLE
- CATCH BASIN
- INLET
- CONCRETE HEADWALL FOR PIPE DRAIN
- AGGREGATE DITCH CHECK
- STORM SEWER
- DITCH LINE
- PIPE UNDERDRAIN
- S 1-08 — STRUCTURE DESIGNATION
- P 1-13 — PIPE DESIGNATION

EXISTING UTILITIES SHOWN ARE BASED ON S.U.E. INVESTIGATION PROVIDED BY THE DISTRICT. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING EXISTING UTILITIES PRIOR TO CONSTRUCTION.

FILE NAME = *FILEA*	USER NAME = IDOT	DESIGNED - TTB	REVISED -
		DRAWN - TTB	REVISED -
	PLOT SCALE = 20.000 ' / IN.	CHECKED - JAH	REVISED -
	PLOT DATE = 3/18/2010	DATE - 3/19/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN – RAMP E

SCALE: 1"=20' | SHEET NO. 4 OF 9 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	105
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

MATCH LINE, SEE SHEET 8 OF 9

MATCH LINE STA 508+60, SEE SHEET 4 OF 9

EB I-64

℄ EB I-64

WB I-64

℄ WB I-64

EX ENTRANCE RAMP

PIPE UNDERDRAIN 4"

WELL NO. 6 (MAINTAIN)

S 5-01

EX ACCESS CONTROL

RETAINING WALL

℄ BAUGH AVENUE N

BAUGH AVENUE N

BILLBOARD W

DETENTION BASIN

0+00 | 509 | 510+00 | 511 | 512 | 513 | 514 | 103 | 104 | 105+00 | 106 | 107

EXISTING UTILITIES SHOWN ARE BASED ON S.U.E. INVESTIGATION PROVIDED BY THE DISTRICT. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING EXISTING UTILITIES PRIOR TO CONSTRUCTION.

SCALE IN FEET: 20 0 20 40

LEGEND

- REMOVE EXISTING PIPE
- ADJ — ADJUST EXISTING STRUCTURE TO GRADE
- F — FILL EXISTING STRUCTURE
- R — REMOVE EXISTING STRUCTURE
- MANHOLE
- CATCH BASIN
- INLET
- CONCRETE HEADWALL FOR PIPE DRAIN
- AGGREGATE DITCH CHECK
- STORM SEWER
- DITCH LINE
- PIPE UNDERDRAIN
- S 1-08 — STRUCTURE DESIGNATION
- P 1-13 — PIPE DESIGNATION

FILE NAME = $FILEA$	USER NAME = IDOT	DESIGNED - TTB	REVISED -
		DRAWN - TTB	REVISED -
	PLOT SCALE = 20.000 ' / IN.	CHECKED - JAH	REVISED -
	PLOT DATE = 3/18/2010	DATE - 3/19/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN – RAMP E

SCALE: 1"=20' | SHEET NO. 5 OF 9 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	106
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NOTE:
1. SEE INTERSECTION GRADING PLAN FOR RETURN RADII.

N

20 0 20 40
SCALE IN FEET

N 16TH STREET

WABASHA AVENUE

EX ROW

PR ACCESS CONTROL

PR TEMPORARY EASEMENT

EX ACCESS CONTROL/EX ROW

℄ ST. CLAIR AVENUE

ST. CLAIR AVENUE

30+00 31 32 33 34

CLASS 'C' PATCH

PIPE UNDERDRAIN 4"

℄ RAMP B

RAMP B

℄ RAMP A

RAMP A

MATCH LINE STA 11+00
SEE SHEET 9 OF 9

MATCH LINE STA 34+75
SEE SHEET 1 OF 9

MATCH LINE STA 16+25
SEE SHEET 1 OF 9

WELL NO. 20
(MAINTAIN)

LEGEND

- REMOVE EXISTING PIPE
- ADJ ADJUST EXISTING STRUCTURE TO GRADE
- F FILL EXISTING STRUCTURE
- R REMOVE EXISTING STRUCTURE
- MANHOLE
- CATCH BASIN
- INLET
- CONCRETE HEADWALL FOR PIPE DRAIN
- AGGREGATE DITCH CHECK
- STORM SEWER
- DITCH LINE
- PIPE UNDERDRAIN
- S 1-08 STRUCTURE DESIGNATION
- P 1-13 PIPE DESIGNATION

EXISTING UTILITIES SHOWN ARE BASED ON S.U.E. INVESTIGATION PROVIDED BY THE DISTRICT. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING EXISTING UTILITIES PRIOR TO CONSTRUCTION.

FILE NAME = $FILEA$	USER NAME = IDOT	DESIGNED - TTB	REVISED -
		DRAWN - TTB	REVISED -
	PLOT SCALE = 20.000 ' / IN.	CHECKED - JAH	REVISED -
	PLOT DATE = 3/18/2010	DATE - 3/19/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN – RAMP A & RAMP B

SCALE: 1" = 20' | SHEET NO. 6 OF 9 SHEETS | STA. XXX | TO STA. XXXX

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	107
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING UTILITIES SHOWN ARE BASED ON S.U.E. INVESTIGATION PROVIDED BY THE DISTRICT. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING EXISTING UTILITIES PRIOR TO CONSTRUCTION.

N

20 0 20 40
SCALE IN FEET

MATCH LINE STA 38+00
SEE SHEET 1 OF 9

MATCH LINE STA 43+50, SEE SHEET 8 OF 9

ST. CLAIR AVENUE

℄ ST. CLAIR AVENUE

EX ROW

EX ACCESS CONTROL

BOLLARDS

EX RAMP A

℄ RAMP A

RAMP A

EB I-64

MATCH LINE (SEE BAUGH AVENUE SHEETS)

MATCH LINE STA 13+00
SEE SHEET 1 OF 9

CONC HDWL FOR PIPE DRAIN (TYP)

PIPE UNDERDRAIN 4"

PIPE UNDERDRAIN 4" SP

PIPE UNDERDRAIN 4"

PIPE UNDERDRAIN 4"

WELL NO. 18 TO BE FILLED

WELL NO. 17 TO BE FILLED

AGGREGATE DITCH CHECKS (TYP)

38 39 40+00 41 42 43

10+00

P 7-02A P 7-02B P 7-04A P 7-04C P 7-04B P 7-03 P 7-01 P 7-08 P 7-09 P 7-05 P 7-06

S 7-01 S 7-02 S 7-03 S 7-04 S 7-05 S 7-06 S 7-07 S 7-08 S 7-09

LEGEND

- REMOVE EXISTING PIPE
- ADJ ADJUST EXISTING STRUCTURE TO GRADE
- F FILL EXISTING STRUCTURE
- R REMOVE EXISTING STRUCTURE
- MANHOLE
- CATCH BASIN
- INLET
- CONCRETE HEADWALL FOR PIPE DRAIN
- AGGREGATE DITCH CHECK
- STORM SEWER
- DITCH LINE
- PIPE UNDERDRAIN
- S 1-08 STRUCTURE DESIGNATION
- P 1-13 PIPE DESIGNATION

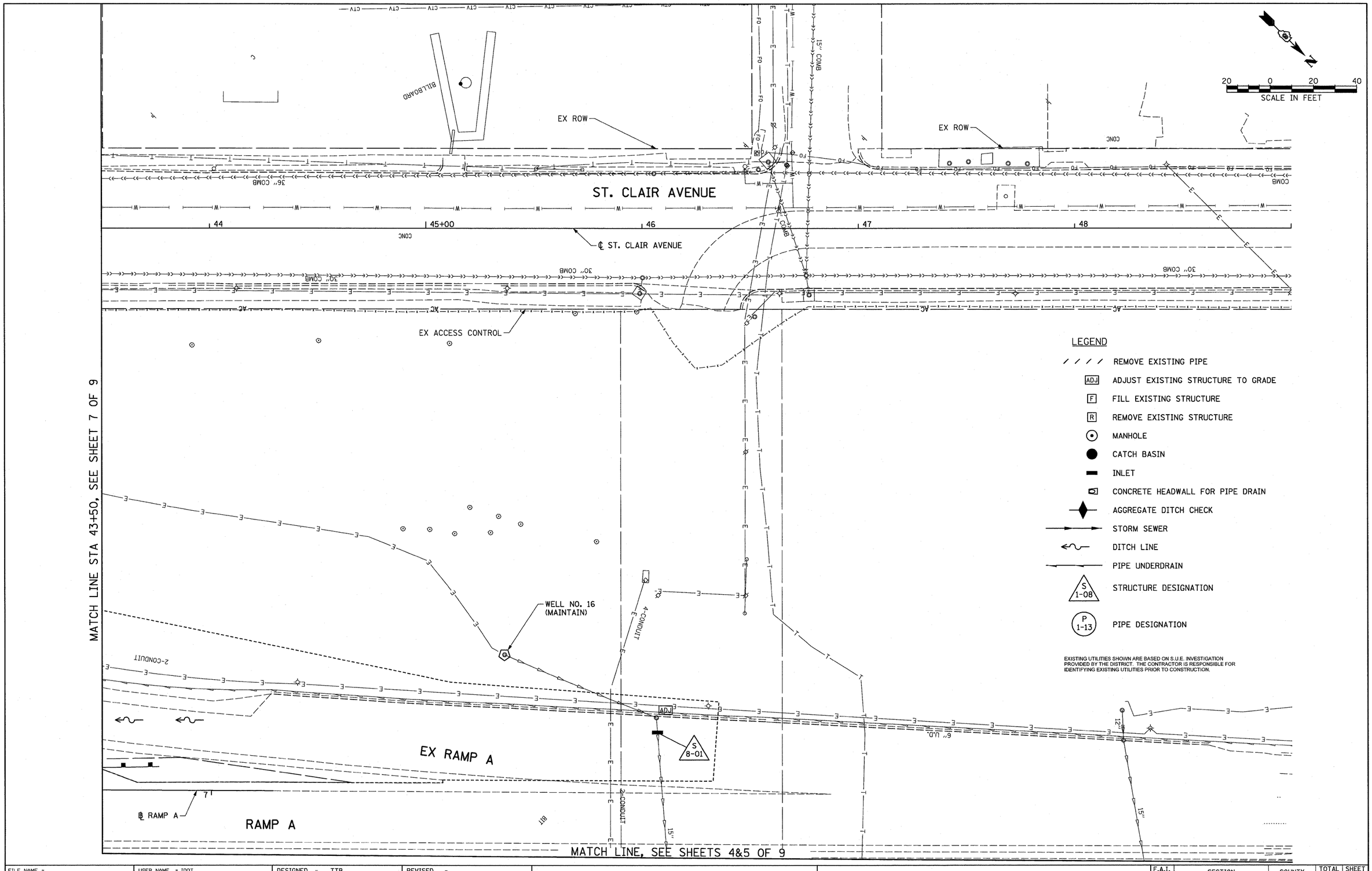
FILE NAME = #FILEA#	USER NAME = IDOT	DESIGNED - TTB	REVISED -
		DRAWN - TTB	REVISED -
	PLOT SCALE = 20.000 ' / IN.	CHECKED - JAH	REVISED -
	PLOT DATE = 3/18/2010	DATE - 3/19/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

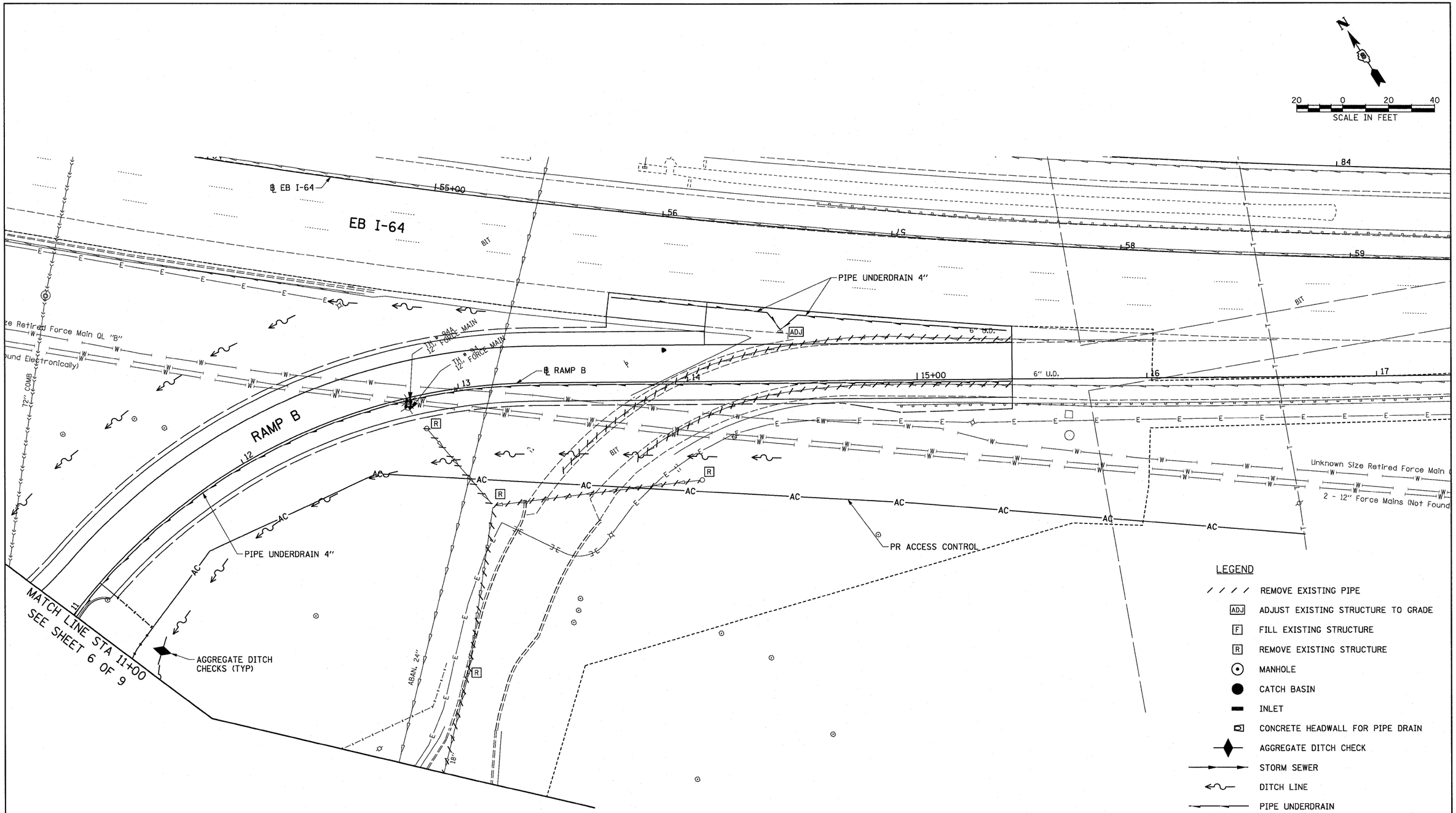
DRAINAGE AND UTILITY PLAN – ST. CLAIR AVENUE

SCALE: 1"=20' | SHEET NO. 7 OF 9 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	108
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FILE NAME = $FILEA$	USER NAME = IDOT	DESIGNED - TTB	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**DRAINAGE AND UTILITY PLAN – ST. CLAIR AVENUE**	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TTB	REVISED -			64	82-1-2HB	ST. CLAIR	345	109
	PLOT SCALE = 20.000 ' / IN.	CHECKED - JAH	REVISED -					CONTRACT NO. 76C49		
	PLOT DATE = 3/18/2010	DATE - 3/19/2010	REVISED -		SCALE: 1"=20' SHEET NO. 8 OF 9 SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

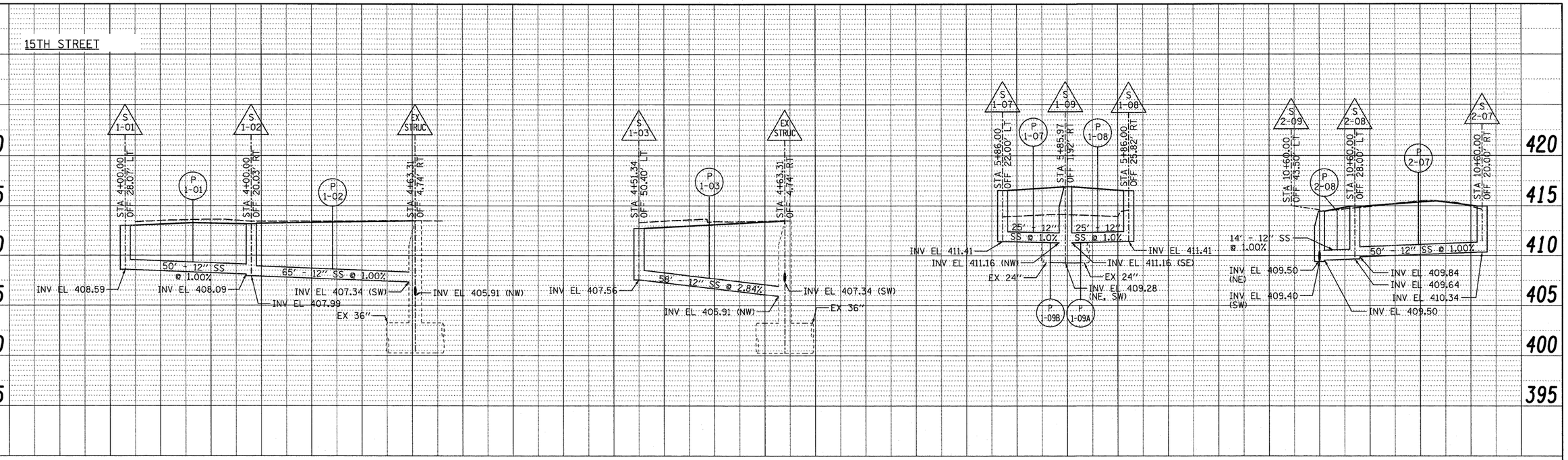


FILE NAME =	USER NAME = IDOT	DESIGNED - TTB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN – RAMP B	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILEA		DRAWN - TTB	REVISED -			64	82-1-2HB	ST. CLAIR	345	110
	PLOT SCALE = 20.000 ' / IN.	CHECKED - JAH	REVISED -					CONTRACT NO. 76C49		
	PLOT DATE = 3/18/2010	DATE - 3/19/2010	REVISED -		SCALE: 1"=20' SHEET NO. 9 OF 9 SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN

DATE	BY	REVISED
		PLOTTED
		ALIGNMENT CHECKED
		PLANS AS BUILT
		CADD FILE NAME

NOTE BOOK
NO.



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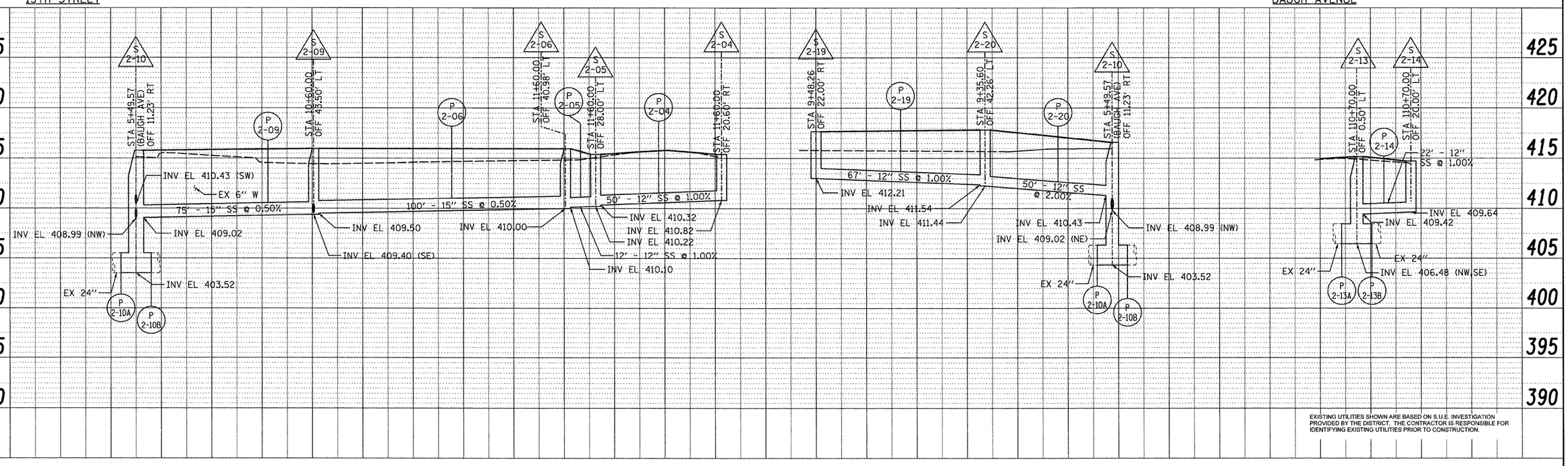

EXISTING UTILITIES SHOWN ARE BASED ON S.U.E. INVESTIGATION PROVIDED BY THE DISTRICT. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING EXISTING UTILITIES PRIOR TO CONSTRUCTION.

FILE NAME = #FILE#

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		DRAWN - TTB	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - JAH	REVISED -
	PLOT DATE = 3/17/2010	DATE - 3/19/2010	REVISED -

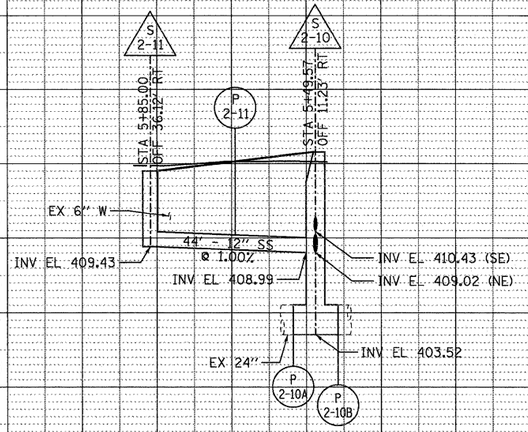
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

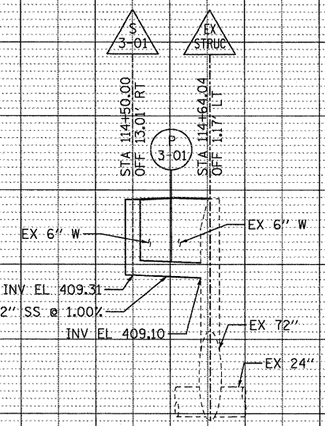
STORM SEWER PROFILES

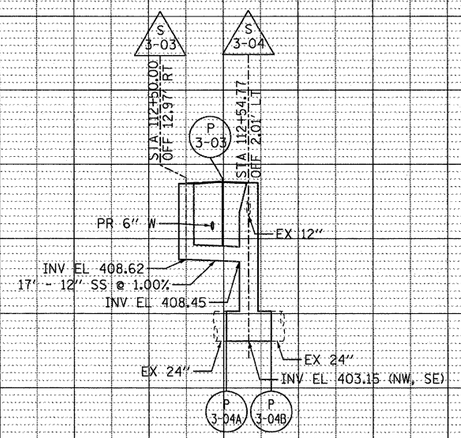
SCALE: | SHEET NO. 1 OF 5 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	111
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

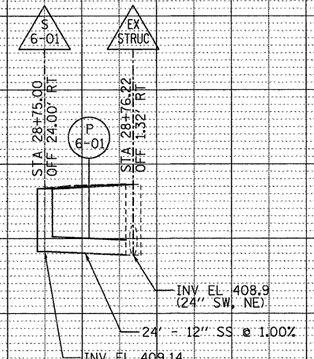
BAUGH AVENUE

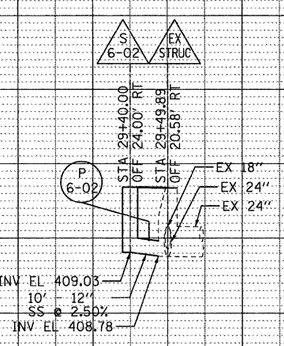






ST. CLAIR AVENUE





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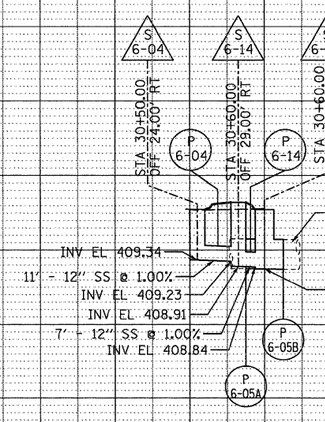

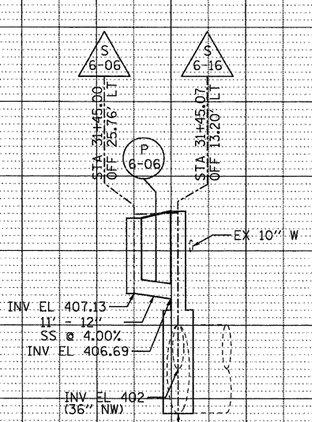

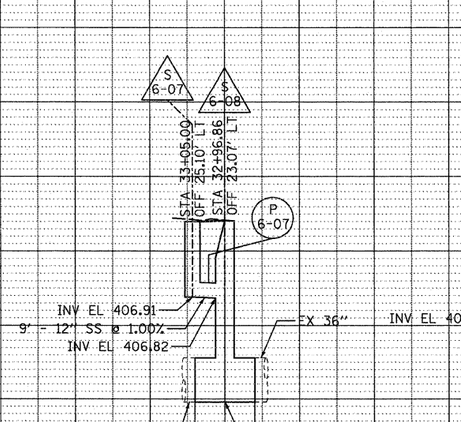

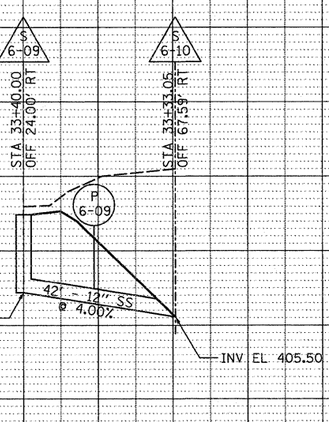

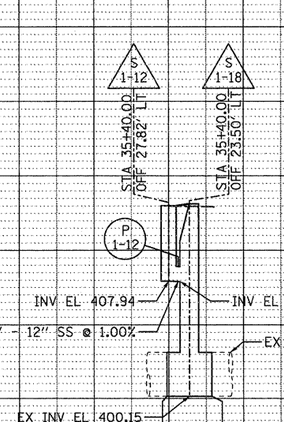

EXISTING UTILITIES SHOWN ARE BASED ON S.U.E. INVESTIGATION PROVIDED BY THE DISTRICT. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING EXISTING UTILITIES PRIOR TO CONSTRUCTION.

PLAN — DRAWN / PLOTTED / ALIGNMENT CHECKED / GRADES CHECKED / STRUCTURE NO.'S CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — DRAWN / PLOTTED / GRADES CHECKED / STRUCTURE NO.'S CHECKED / NOTE BOOK / NO. / BY / DATE

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	PLOT DATE = 3/17/2010	DATE - 3/19/2010	REVISED -

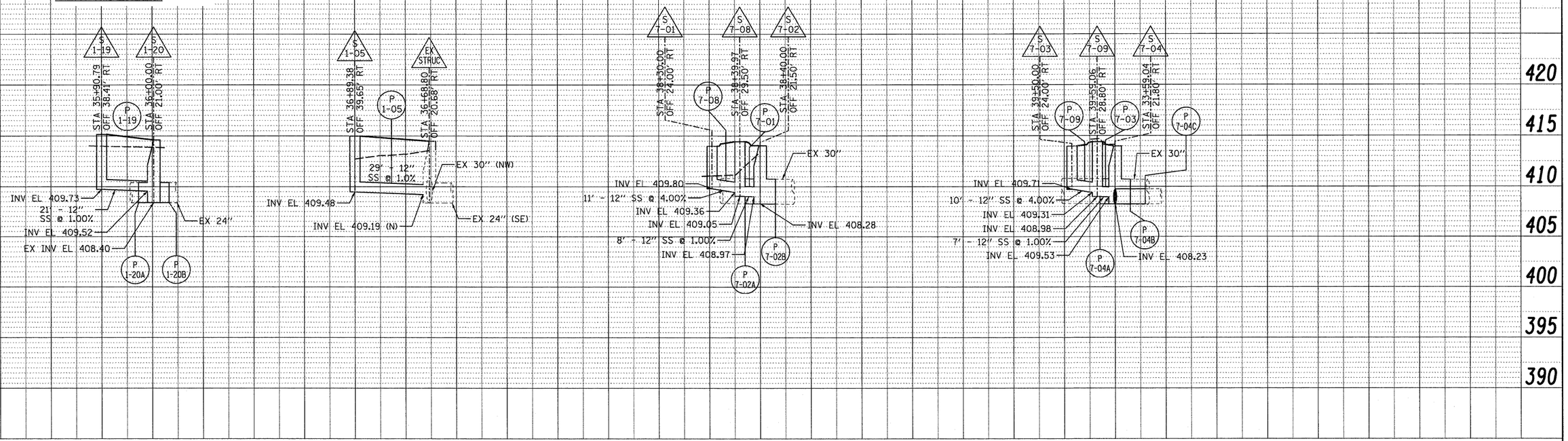
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STORM SEWER PROFILES

SCALE: | SHEET NO. 2 OF 5 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	112
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ST. CLAIR AVENUE



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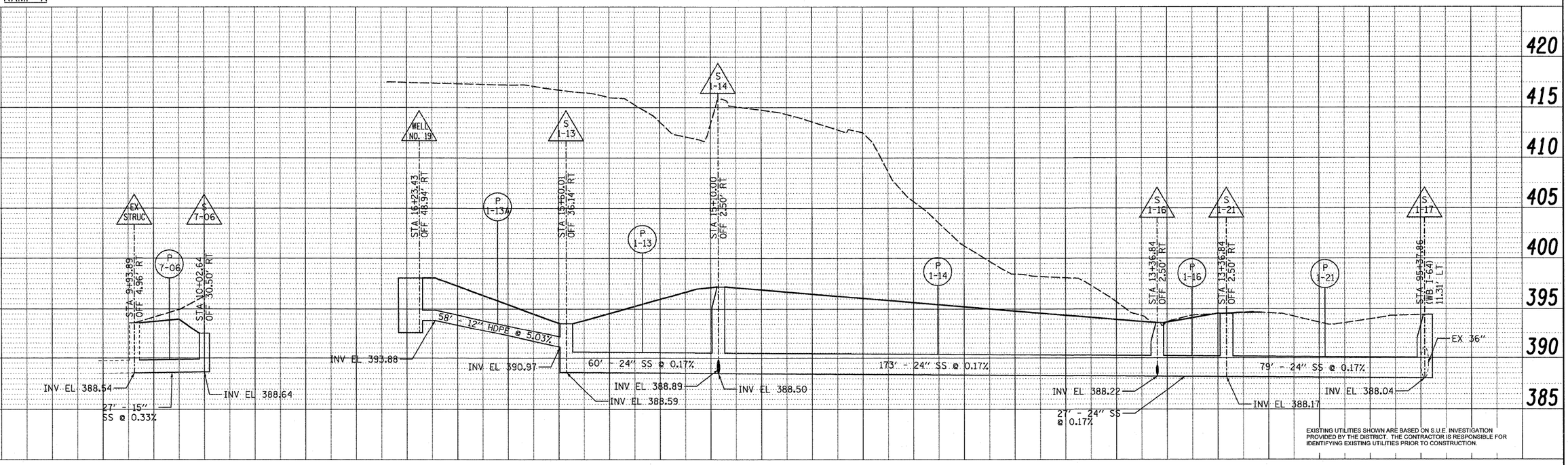

EXISTING UTILITIES SHOWN ARE BASED ON S.U.E. INVESTIGATION PROVIDED BY THE DISTRICT. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING EXISTING UTILITIES PRIOR TO CONSTRUCTION.

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. R/W MONUMENTED / CADD FILE NAME / NOTE BOOK / NO. — DATE / BY

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / FINAL PLOT / PROFILE NOTATNS CMPLD — DATE / BY

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FILE NAME = #FILE#$	USER NAME = IDOT	DESIGNED - TTB	REVISED -
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	PLOT SCALE = 20.0000 ' / IN.	CHECKED - JAH	REVISED -
	PLOT DATE = 3/17/2010	DATE - 3/19/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STORM SEWER PROFILES

SCALE: | SHEET NO. 3 OF 5 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	113
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN
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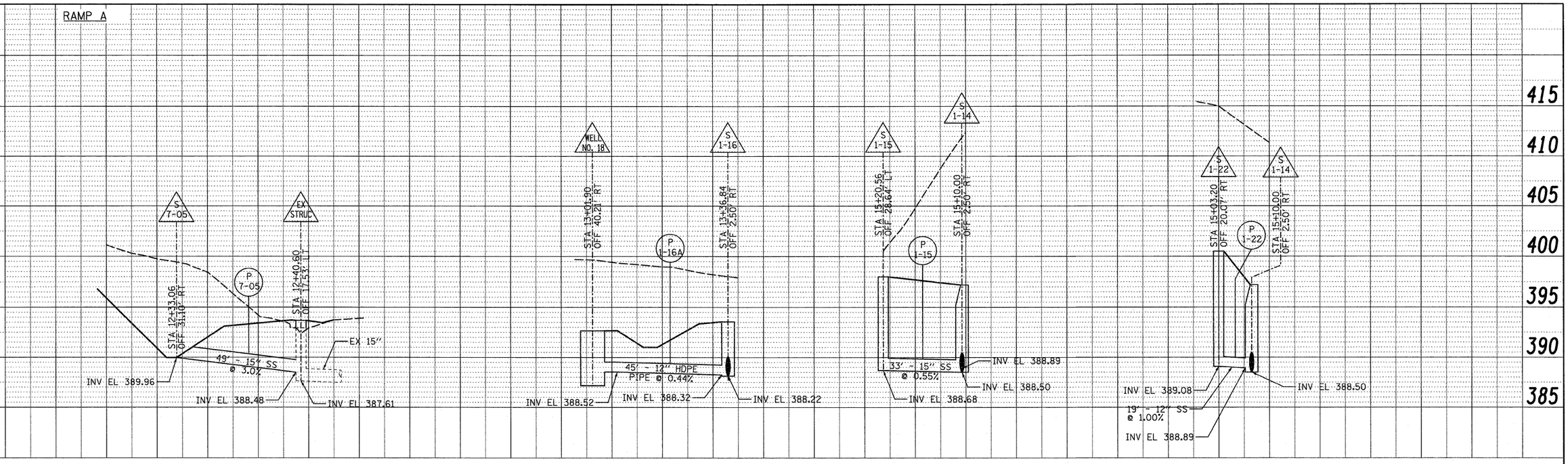

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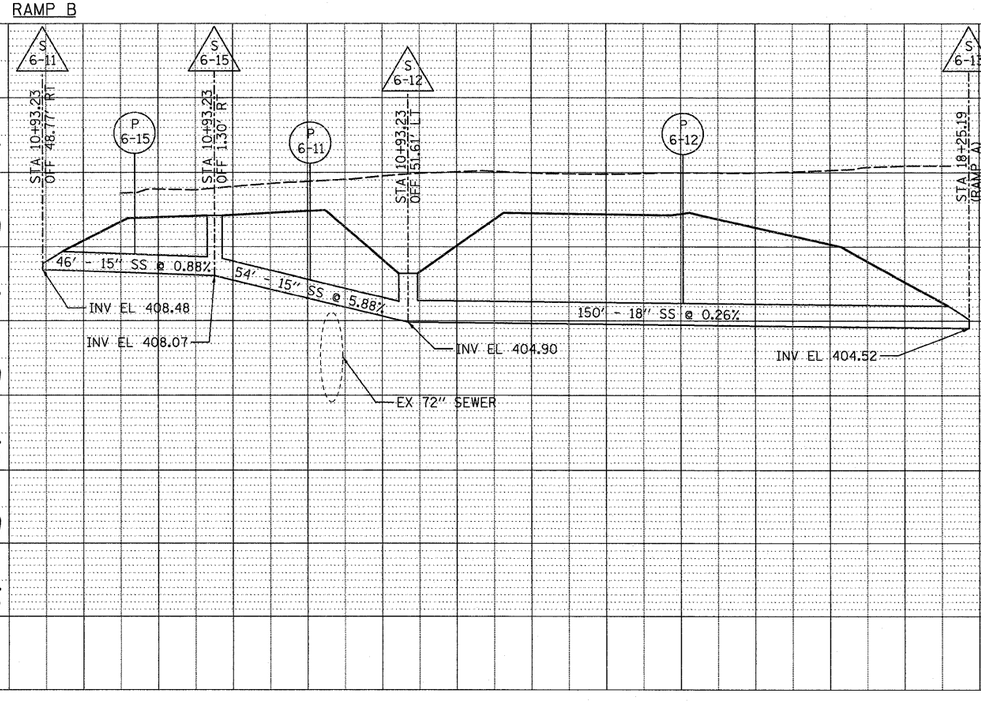

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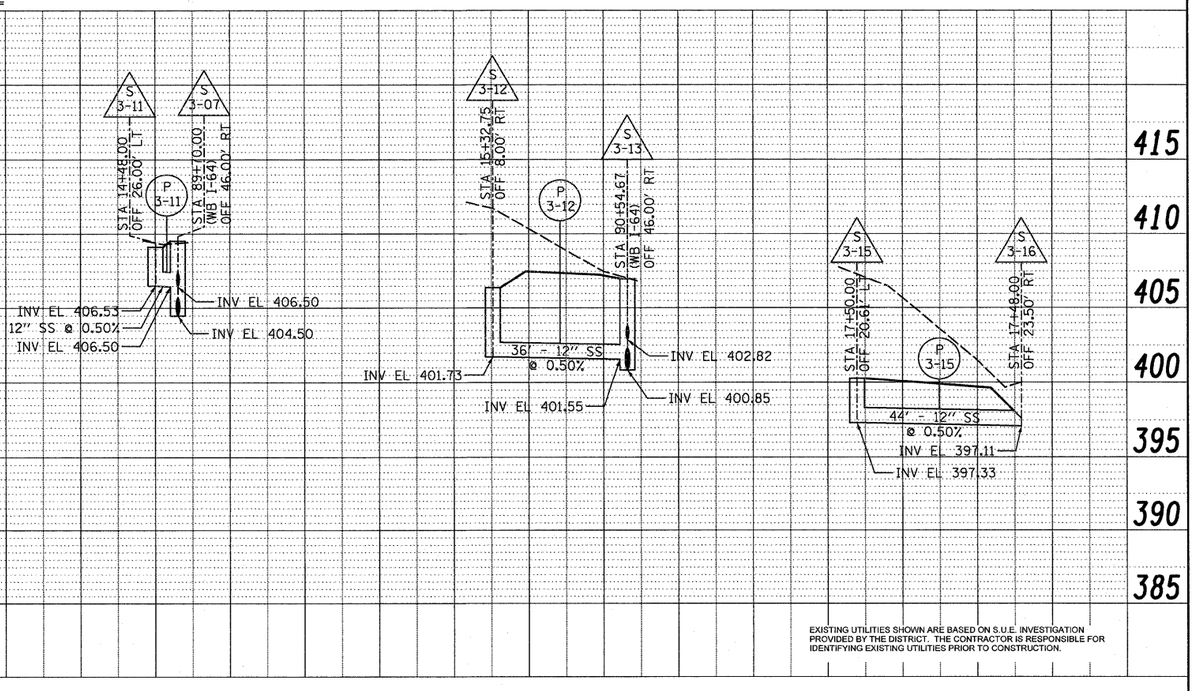

EXISTING UTILITIES SHOWN ARE BASED ON S.U.E. INVESTIGATION PROVIDED BY THE DISTRICT. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING EXISTING UTILITIES PRIOR TO CONSTRUCTION.

FILE NAME = #FILES#

FILE NAME = #FILEA#	USER NAME = IDOT	DESIGNED - TTB	REVISED -
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	PLOT DATE = 3/17/2010	DATE - 3/19/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STORM SEWER PROFILES

SCALE: | SHEET NO. 4 OF 5 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	114
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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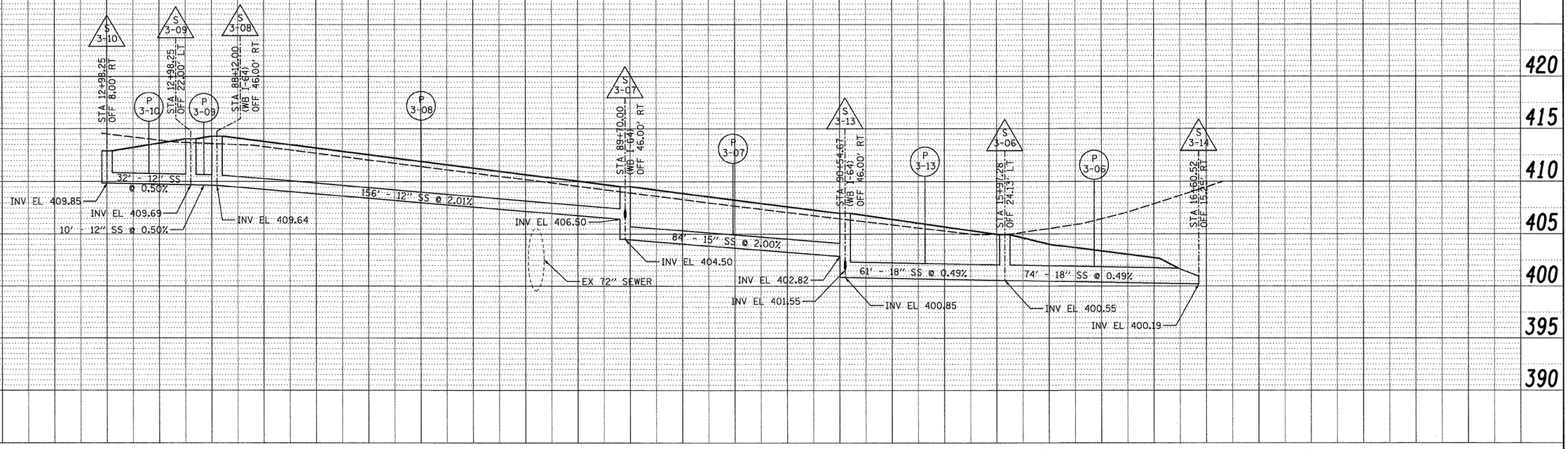

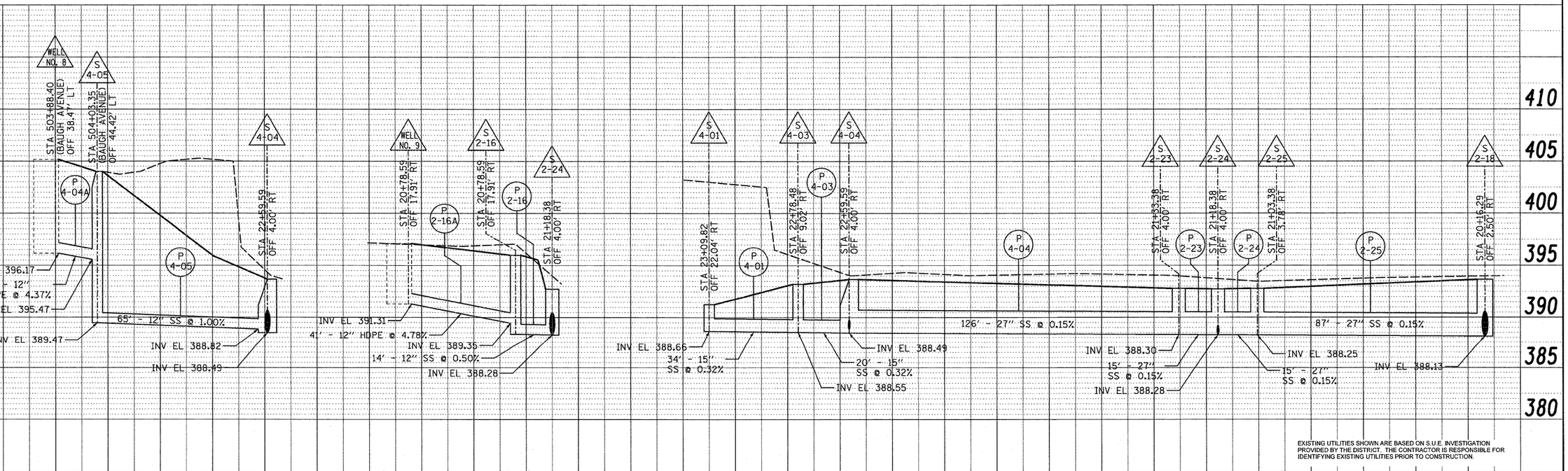

EXISTING UTILITIES SHOWN ARE BASED ON S.U.E. INVESTIGATION PROVIDED BY THE DISTRICT. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING EXISTING UTILITIES PRIOR TO CONSTRUCTION.

FILE NAME = $FILE$

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	PLOT DATE = 3/17/2010	DATE - 3/19/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STORM SEWER PROFILES

SCALE: | SHEET NO. 5 OF 5 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	115
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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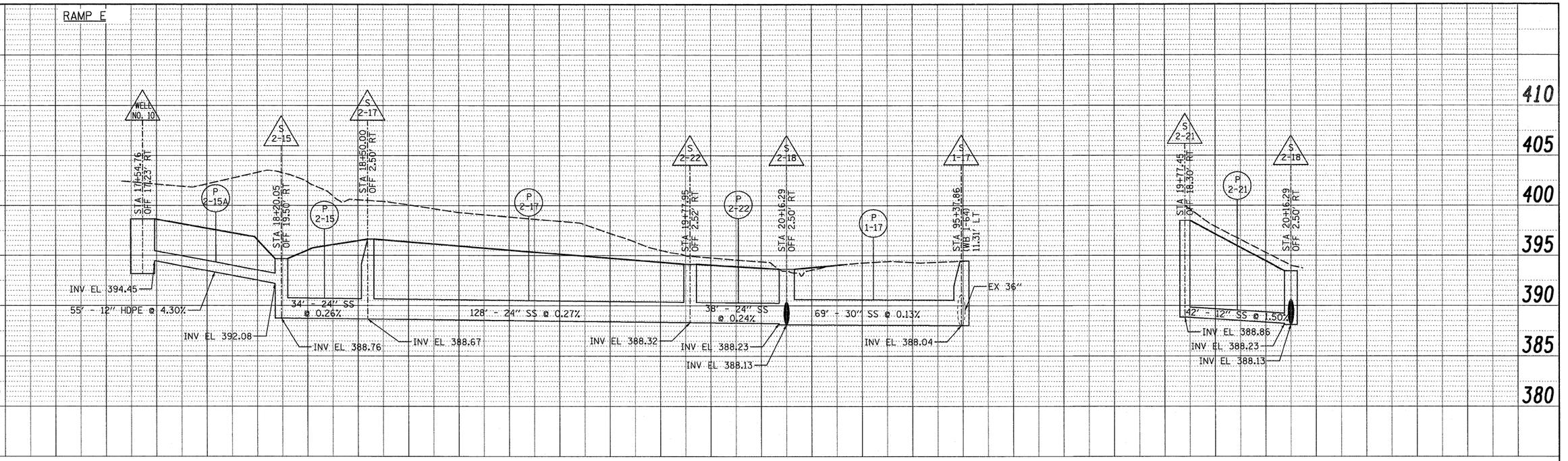

EXISTING UTILITIES SHOWN ARE BASED ON S.U.E. INVESTIGATION PROVIDED BY THE DISTRICT. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING EXISTING UTILITIES PRIOR TO CONSTRUCTION.

PLAN — CORRECTED, PLOTTED, ALIGNMENT CHECKED, BEARINGS CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE — CORRECTED, PLOTTED, GRADES CHECKED, SEAL NOTED, SIGNATURE, NOTATIONS CHKD, NOTE BOOK, NO., BY, DATE

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		DRAWN - TTB	REVISED -
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	PLOT DATE = 3/17/2010	DATE - 3/19/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STORM SEWER PROFILES

SCALE: | SHEET NO. 5A OF 5 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	115A
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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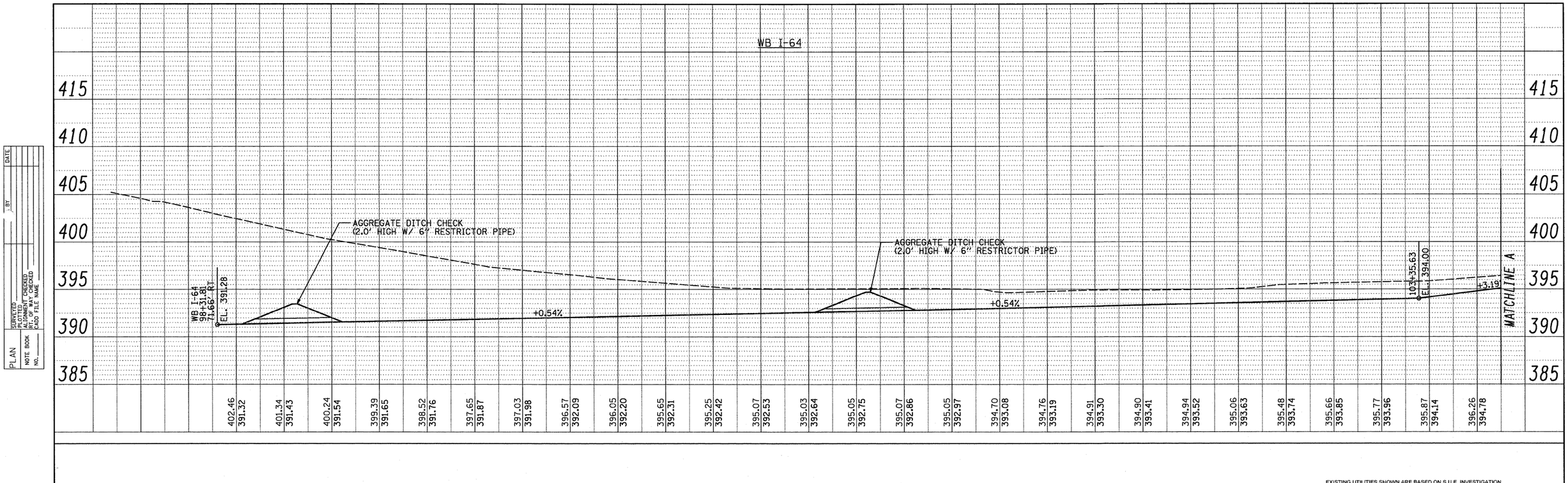

EXISTING UTILITIES SHOWN ARE BASED ON S.U.E. INVESTIGATION PROVIDED BY THE DISTRICT. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING EXISTING UTILITIES PRIOR TO CONSTRUCTION.

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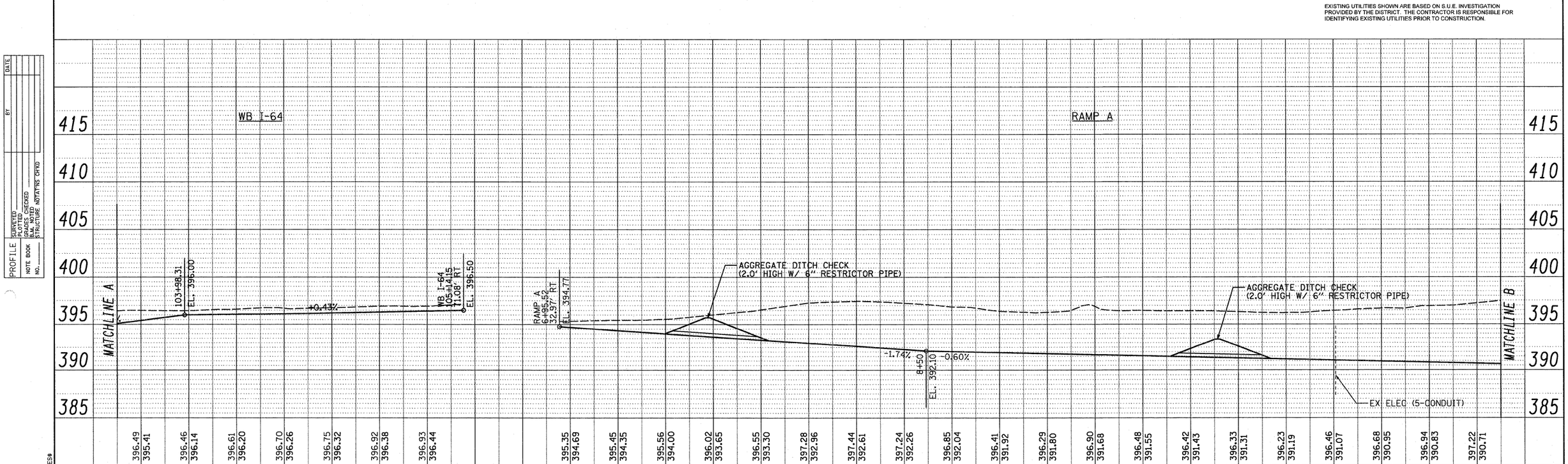

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	PLOT DATE = 3/17/2010	DATE - 3/19/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPECIAL DITCH PROFILES

SCALE: | SHEET NO. 1 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	116
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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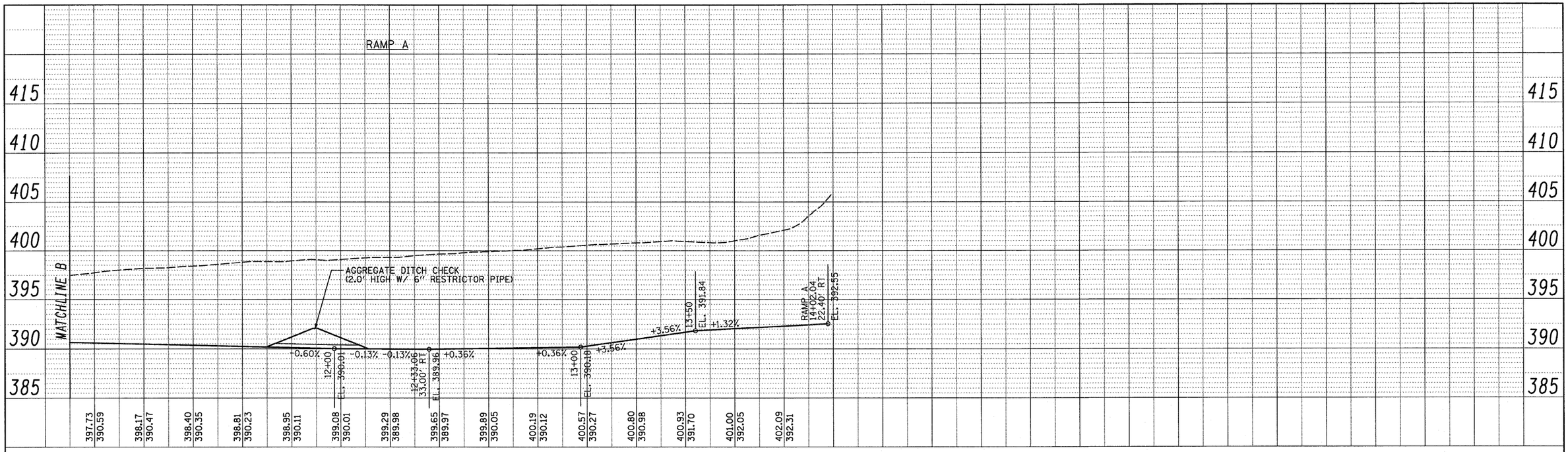

EXISTING UTILITIES SHOWN ARE BASED ON S.U.E. INVESTIGATION PROVIDED BY THE DISTRICT. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING EXISTING UTILITIES PRIOR TO CONSTRUCTION.

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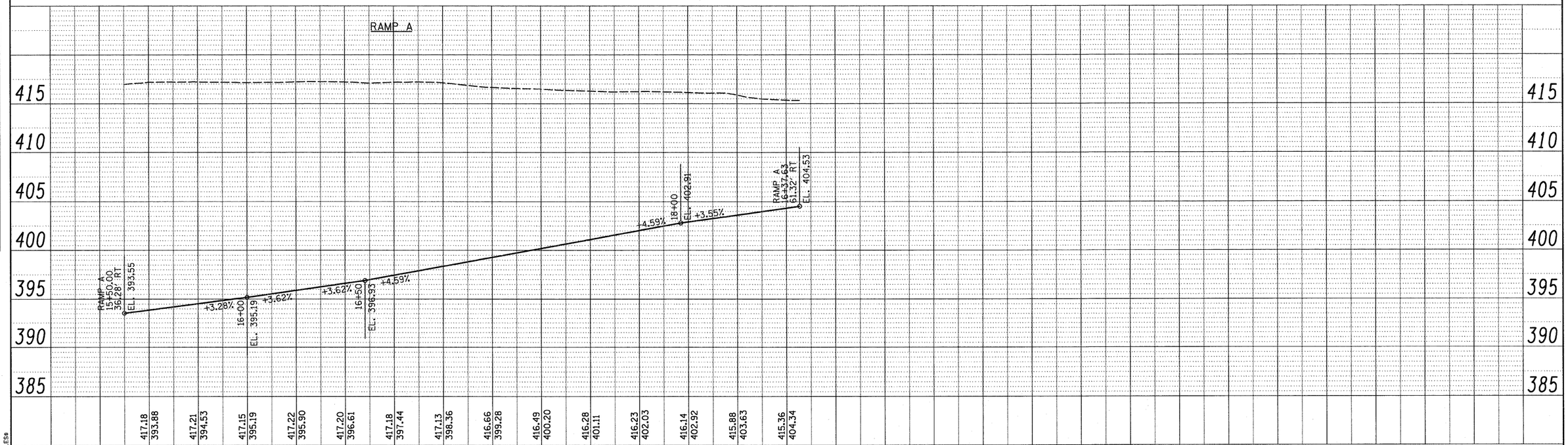

EXISTING UTILITIES SHOWN ARE BASED ON S.U.E. INVESTIGATION PROVIDED BY THE DISTRICT. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING EXISTING UTILITIES PRIOR TO CONSTRUCTION.

FILE NAME = $FILE$

FILE NAME = $FILE$	USER NAME = IDOT	DESIGNED - TTB	REVISED -
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	PLOT DATE = 3/17/2010	DATE - 3/19/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPECIAL DITCH PROFILES

SCALE: | SHEET NO. 2 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	117
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN

DATE	BY	DESCRIPTION
		DRAFTED
		PLOTTED
		ALIGNMENT CHECKED
		PROFILE WORK REVISED
		CADD FILE NAME

NOTE BOOK
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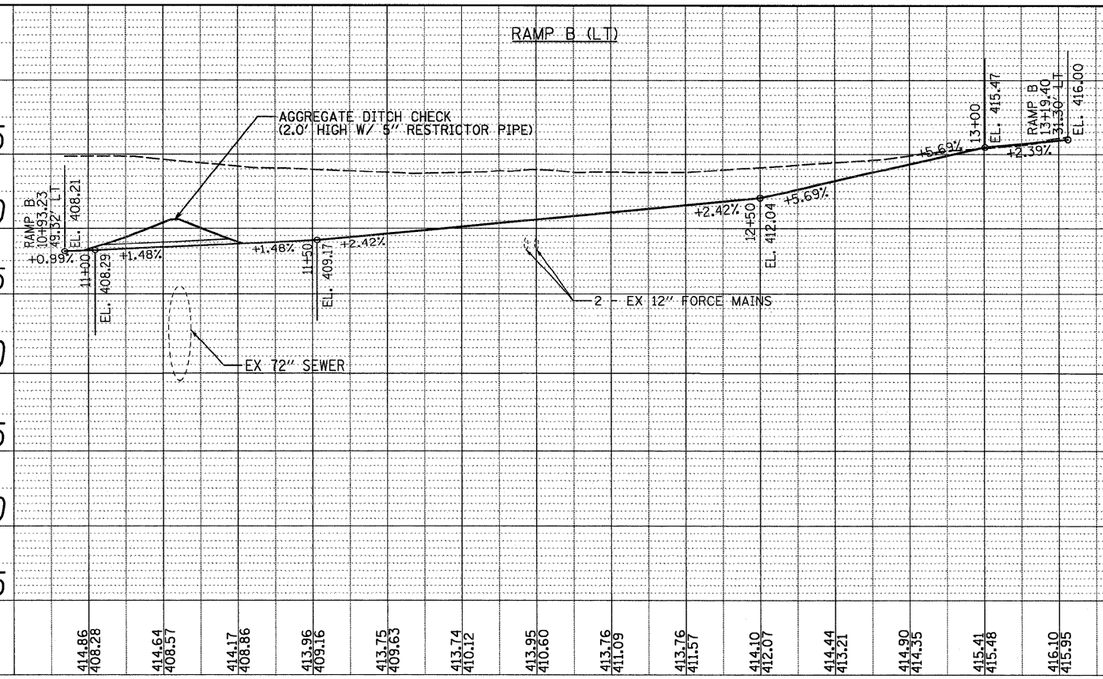
RAMP B (LT)



EXISTING UTILITIES SHOWN ARE BASED ON S.U.E. INVESTIGATION PROVIDED BY THE DISTRICT. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING EXISTING UTILITIES PRIOR TO CONSTRUCTION.

PROFILE

DATE	BY	DESCRIPTION
		DRAFTED
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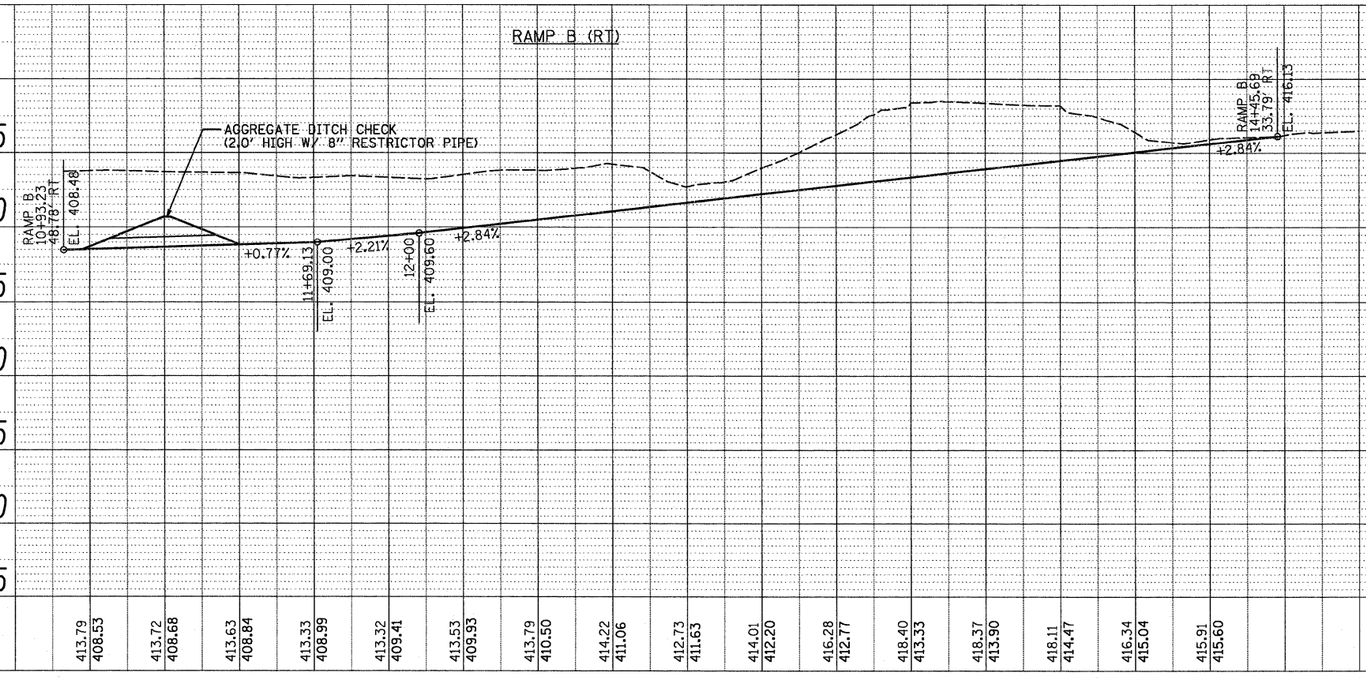
RAMP B (RT)



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	PLOT SCALE = 20.0000 ' / IN.	CHECKED - JAH	REVISED -	
	PLOT DATE = 3/17/2010	DATE - 3/19/2010	REVISED -	

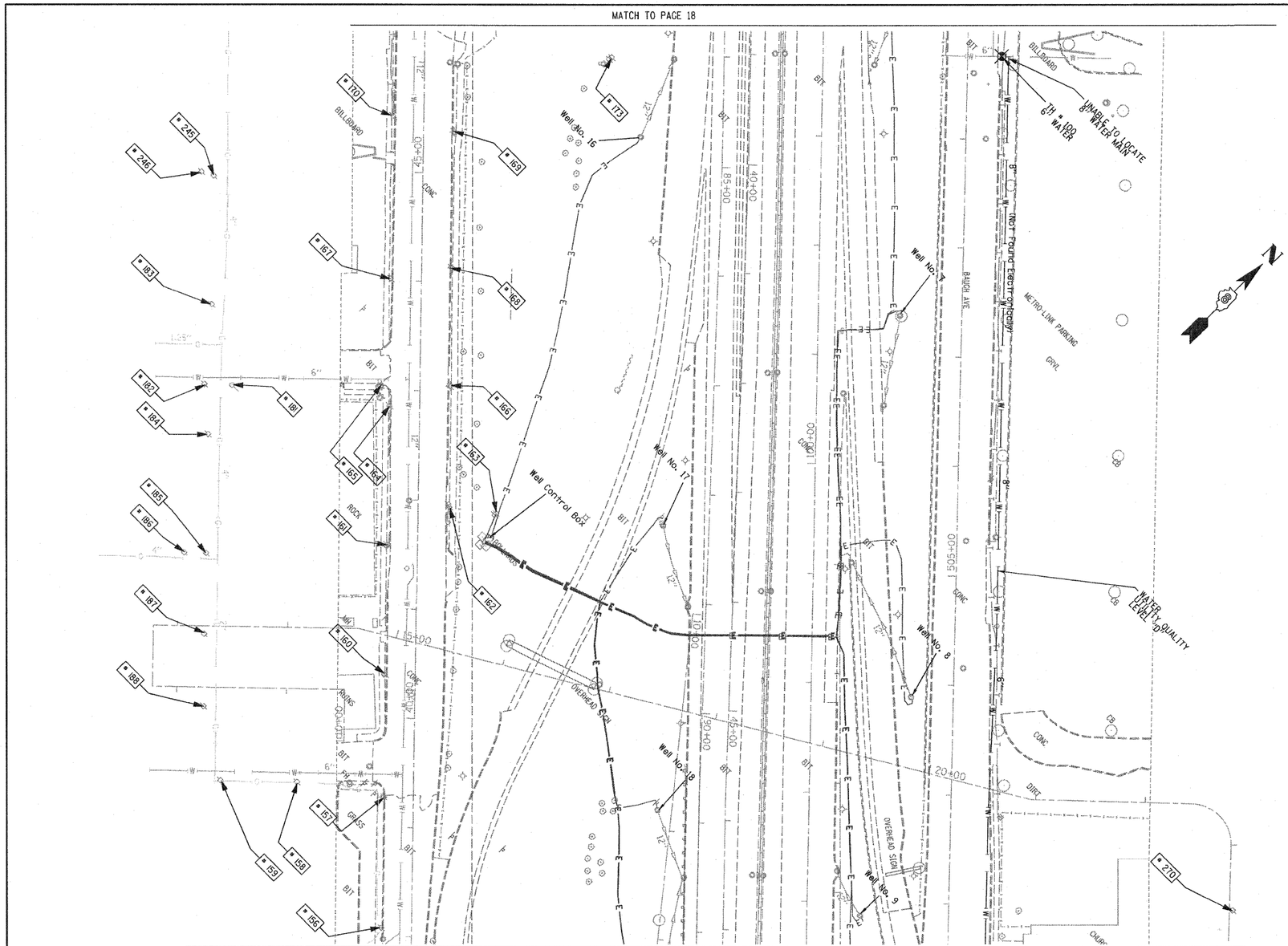
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPECIAL DITCH PROFILES

SCALE: | SHEET NO. 3 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	118
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

MATCH TO PAGE 18



MATCH TO PAGE 20

TBE Pole Number	Approximate Location	Identification # on Pole	Utilities Attached to Poles	Utility Owners	Notes: Additional Items Attached to Poles
156	169' W. OF 15TH ST. CL	728411	ELECTRIC, TELEPH	AT&T	2 LIGHTS
157	SE SIDE OF 14TH ST.	728410 1404	ELECTRIC, TELEPH	AT&T	LIGHT
158	107' S. OF ST. CLAIR CL	728412 210349	ELECTRIC, TELEPH	AT&T, AMEREN ELECTRIC	LIGHT, GUY TO N.
159	176' S. OF ST. CLAIR CL	728413	ELECTRIC, TELEPH	AT&T, AMEREN ELECTRIC	LIGHT
160	82' W. OF 14TH ST. CL	NO TAG	TELEPH	AT&T	
161	201' W. OF 14TH ST. CL S. SIDE OF ST. CLAIR	728407	ELECTRIC, TELEPH	AT&T, AMEREN ELECTRIC	2 LIGHTS
162	238' W. OF 14TH ST. CL N. SIDE OF ST. CLAIR	728407	ELECTRIC	AMEREN ELECTRIC	
163	236' W. OF 14TH ST. CL N. SIDE OF ST. CLAIR	SEE NOTE	ELECTRIC	AMEREN ELECTRIC	TAG TOO FAR IN FENCE
164	329' W. OF 14TH ST. CL S. SIDE OF ST. CLAIR	NO TAG	TELEPH	AT&T	
165	SE SIDE VERONICA & ST. CLAIR	728406	ELECTRIC	AMEREN ELECTRIC	2 LIGHTS
166	348' W. OF 14TH ST. CLAIR N. SIDE OF ST. CLAIR	728405	ELECTRIC	AMEREN ELECTRIC	
167	83' W. OF VERONICA CL S. SIDE OF ST. CLAIR	NO TAG	TELEPH	AT&T	
168	83' W. OF VERONICA CL N. SIDE OF ST. CLAIR	728404	ELECTRIC	AMEREN ELECTRIC	GUY
169	217' W. OF VERONICA CL N. SIDE OF ST. CLAIR	728403	ELECTRIC	AMEREN ELECTRIC	
170	231' W. OF VERONICA CL S. SIDE OF ST. CLAIR	NO TAG	TELEPH	AT&T	GUY TO W., PH DROP
173	290' W. OF VERONICA CL N. SIDE OF ST. CLAIR	728402	ELECTRIC	AMEREN ELECTRIC	TRANSFORMER
181	171' S. OF ST. CLAIR CL	728420	NO UTILITIES		STRAIN FOR POLE #182 ON VERONICA ST.
182	147' S. OF ST. CLAIR CL	728419	ELECTRIC, TELEPH	AT&T, AMEREN ELECTRIC	
183	56' W. OF VERONICA CL S. SIDE OF ST. CLAIR	728421	ELECTRIC, TELEPH	AT&T, AMEREN ELECTRIC	TRANSFORMER
184	84' E. OF VERONICA CL S. SIDE OF ST. CLAIR	728418 1352	ELECTRIC, TELEPH	AT&T, AMEREN ELECTRIC	TRANSFORMER
185	176' E. OF VERONICA CL S. SIDE OF ST. CLAIR	728416 1360	ELECTRIC, TELEPH	AT&T, AMEREN ELECTRIC	
186	22' S. OF POLE #185 S. SIDE OF ST. CLAIR	728417	ELECTRIC, TELEPH	AT&T, AMEREN ELECTRIC	
187	243' E. OF VERONICA CL S. SIDE OF ST. CLAIR	728415	ELECTRIC, TELEPH	AT&T, AMEREN ELECTRIC	PH CUT AT POLE
188	309' E. OF VERONICA CL S. SIDE OF ST. CLAIR	1370	ELECTRIC	AMEREN ELECTRIC	2 GUY S
245	175' SW ST. CLAIR AT STA 45+00	728469	ELECTRIC, TELEPH	AT&T, AMEREN ELECTRIC	
246	190' SW ST. CLAIR AT STA. 45+10	728470	ELECTRIC, TELEPH, CATV	AMEREN ELECTRIC, AT&T, CHARTER CABLE	GUY TO N.
270	80' NW POLE #269	727629	ELECTRIC, TELEPH	AT&T, AMEREN ELECTRIC	GUY TO WEST, TRANSFORMER

UNKNOWN
ABANDONED SANITARY FORCE MAIN
FORCE MAIN (OL "D")
CABLE TV
TELEPHONE
GAS
GAS (OL "D")
ELECTRIC
WATER
WATER (OL "D")
FIBER OPTIC
FIBER OPTIC (OL "D")
WELL DRAINAGE
UTILITY POLE
TBE TEST HOLE

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Utility Quality Level "A" : Test Hole
Utility Quality Level "B" : Designating
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20 0 METERS 20 40
50 0 FEET 50 100

Checked By: _____
Date: _____

TBE Job No. IL09500601.602.603.604.607.608.609
SUE Plan Page: 19 of 35

FILE NAME =	USER NAME =	DESIGNED EG, JP, LP	REVISED 7/28/09 - 8/26/09 ADDED TEST HOLES #60-108
#FILE1#		DRAWN KLC	
	PLOT SCALE = 1" = 50'	CHECKED JB	REVISED
	PLOT DATE = #DATE#	DATE 9/15/09	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Mississippi River Bridge Project

SCALE:	SHEET NO.	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		St. Clair		
		PTB NO. 147-038		
FED. ROAD DIST. NO.	ILLINOIS	Job No.: D-98-061-08		

MATCH TO PAGE 19

MATCH TO PAGE 21

TBE Pole Number	Approximate Location	Identification # on Pole	Utilities Attached to Poles	Utility Owners	Notes: Additional Items Attached to Poles
143	NE CORNER ST. CLAIR & I-64 E RAMP	728038	ELECTRIC	AMEREN ELECTRIC	
146	44' SOUTH OF ST. CLAIR CL	728040	ELECTRIC	AMEREN ELECTRIC	LIGHT
147	40' WEST OF 16TH ST. CL	NO TAG	TELEPHONE	AT&T	PHONE DROP
148	87' WEST OF 16TH ST. CL	728039	ELECTRIC	AMEREN ELECTRIC	LIGHT
149	215' WEST OF 16TH ST. CL	NO TAG	TELEPHONE	(SBC) AT&T	2 GUYS WEST, TELEPHONE DROP
150	SE CORNER WABASHA & ST. CLAIR	728053 1550	TELEPHONE, ELECTRIC	AT&T, AMEREN ELECTRIC	LIGHT
151	115' SOUTH OF ST. CLAIR CL	728054	ELECTRIC	AMEREN ELECTRIC	
152	86' WEST OF WABASHA CL	728052	TELEPHONE, ELECTRIC	AT&T, AMEREN ELECTRIC	
153	211' WEST OF WABASHA CL	728049	TELEPHONE, ELECTRIC	AT&T, AMEREN ELECTRIC	2 LIGHTS, GUY TO SOUTH
154	288' WEST OF WABASHA CL	NO TAG	TELEPHONE, ELECTRIC	AT&T, AMEREN ELECTRIC	
155	49' S OF ST. CLAIR CL SE SIDE 15 TH	728051	ELECTRIC	AMEREN ELECTRIC	ELECTRIC FROM POLE #154 TO METER ON POLE
247	174' SW OF CL ST. CLAIR & 15TH	727860 E2690	ELECTRIC SERVICE	AMEREN ELECTRIC	LIGHT
248	174' SW OF CL ST. CLAIR & 15TH	NO TAG	ELECTRIC SERVICE	AMEREN ELECTRIC	GUY TO WEST, ELECTRIC SERVICE TO BILLBOARD
249	190' SW ST. CLAIR AT STA. 33440	728047	ELECTRIC, CATV TELEPHONE	AMEREN ELECTRIC, CHARTER CABLE, AT&T	TRANSFORMER
250	190' SW ST. CLAIR AT STA. 33480	728046	ELECTRIC, CATV TELEPHONE	AMEREN ELECTRIC, CHARTER CABLE, AT&T	
251	175' SW ST. CLAIR AT STA. 33400	728045	ELECTRIC, CATV TELEPHONE	AMEREN ELECTRIC, CHARTER CABLE, AT&T	
252	175' SW ST. CLAIR AT STA. 32480	728044	ELECTRIC, CATV TELEPHONE, ELECTRIC SERVICE	AMEREN ELECTRIC, CHARTER CABLE, AT&T	ELECTRIC SERVICE
253	175' SW ST. CLAIR AT STA. 31485	728043	ELECTRIC, CATV TELEPHONE	AMEREN ELECTRIC, CHARTER CABLE, AT&T	
254	175' SW ST. CLAIR AT STA. 31410	NO TAG	ELECTRIC, CATV TELEPHONE	AMEREN ELECTRIC, CHARTER CABLE, AT&T	
255	175' SW ST. CLAIR AT STA. 31415	NO TAG	TELEPHONE	AT&T	TELEPHONE DROP
264	142' EAST CL 15TH ST. & BAUGH	727634	ELECTRIC SERVICE	AMEREN ELECTRIC	LIGHT
265	SE COR. OF 15TH ST. & BAUGH ON N. SIDE OF BAUGH	727633	ELECTRIC SERVICE	AMEREN ELECTRIC	METER
266	SE COR. OF 15TH ST. & BAUGH ON N. SIDE OF BAUGH	727632	ELECTRIC SERVICE	AMEREN ELECTRIC	LIGHT
267	150' N CL BAUGH & 15 TH ST.	727631	ELECTRIC SERVICE	AMEREN ELECTRIC	ELECTRIC SERVICE
268	150' N CL BAUGH & 15 TH ST.	727630	ELECTRIC SERVICE	AMEREN ELECTRIC	LIGHT
269	257' N CL BAUGH & 15 TH ST.	727628	TELEPHONE, ELECTRIC	AT&T, AMEREN ELECTRIC	ELECTRIC DROP
271	222' N CL BAUGH & 15 TH ST.	727626	ELECTRIC SERVICE	AMEREN ELECTRIC	LIGHT
272	232' N CL BAUGH & 15 TH ST.	727627	ELECTRIC SERVICE	AMEREN ELECTRIC	LIGHT
273	382' N CL BAUGH & 15 TH ST.	727625	ELECTRIC	AMEREN ELECTRIC	TRANSFORMER
274	480' N CL BAUGH & 15 TH ST.	727624	ELECTRIC, CATV, FIBER OPTIC	AMEREN ELECTRIC, CHARTER CABLE,	LIGHT, CATV DROP

UNKNOWN
ABANDONED SANITARY
FORCE MAIN
FORCE MAIN (OL "D")
CABLE TV
TELEPHONE
GAS
GAS (OL "D")
ELECTRIC
WATER
WATER (OL "D")
FIBER OPTIC
FIBER OPTIC (OL "D")
WELL DRAINAGE
UTILITY POLE
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20 0 METERS 20 40
50 0 FEET 50 100

Checked By: _____
Date: _____

TBE Job No. IL09500601,602.603.604, 607.608.609
SUE Plan Page: 20 of 35

FILE NAME =	USER NAME =	DESIGNED EG, IP, LP	REVISED 7/28/09 - 8/26/09 ADDED TEST HOLES #60-108	
#FILE#		DRAWN KLC	REVISED	
	PLOT SCALE = 1" = 50'	CHECKED JB	REVISED	
	PLOT DATE = #DATE#	DATE 9/15/09	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Mississippi River Bridge Project

SCALE: | SHEET NO. | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		St. Clair		120
		PTB NO. 147-038		
FED. ROAD DIST. NO.	ILLINOIS	Job No.: D-98-061-08		

TBE Pole Number	Approximate Location	Identification # on Pole	Utilities Attached to Poles	Utilitiy Owners	Notes: Additional Items Attached to Poles
131	110' W. OF SHORT ST. CL S SIDE OF ST. CLAIR W OF POLE 130	18792	ELECTRIC, TELEPHONE, FIBER OPTIC	AT&T, AMEREN ELECTRIC	LIGHT, GUY
132	SE CORNER OF ST. CLAIR & 18TH ST. W OF POLE 131	18789	ELECTRIC, TELEPHONE, FIBER OPTIC	AMEREN ELECTRIC, TELEPHONE	LIGHT, FIBER DROP
133	S SIDE OF ST. CLAIR 48' W. OF POLE 132	18790	ELECTRIC, TELEPHONE, (2) FIBER OPTIC	AT&T, AMEREN ELECTRIC	STRAIN FOR POLE 133 TO THE E., GUY TO W.
134	101' W. OF 18TH ST. CL S SIDE OF ST. CLAIR	2073611	ELECTRIC, TELEPHONE, CATV	AT&T, AMEREN ELECTRIC, CHARTER CABLE	LIGHT
135	N. OF POLE 134 N SIDE OF ST. CLAIR	728019	NO UTILITIES		STRAIN FOR POLE 134, GUY
136	228' W. OF 18TH ST. CL S SIDE OF ST. CLAIR	728020	ELECTRIC, TELEPHONE, CATV	AT&T, AMEREN ELECTRIC, CHARTER CABLE	GUY, LIGHT
137	228' W. OF 18TH ST. CL N. SIDE ST. CLAIR	NO TAG	TELEPHONE	AT&T	
138	278' W. OF 18TH ST. CL N. SIDE ST. CLAIR	NO TAG	TELEPHONE	AT&T	
139	224' W. OF 18TH ST. CL S SIDE OF ST. CLAIR	728021	ELECTRIC	AMEREN ELECTRIC	GUY N. & S.
140	374' W. OF 18TH ST. CL S SIDE OF ST. CLAIR	200447	TELEPHONE, CATV	AT&T, CHARTER CABLE	GUY E. & W.
141	595' W. OF 18TH ST. CL S SIDE OF ST. CLAIR	728037	ELECTRIC, TELEPHONE, CATV		LIGHT
142	37' W. OF POLE 141 S SIDE OF ST. CLAIR	728036	ELECTRIC, TELEPHONE, CATV	AT&T, AMEREN ELECTRIC, CHARTER CABLE	GUY S.
144	156' S. ST. CLAIR	728034	ELECTRIC, TELEPHONE, CATV	AT&T, AMEREN ELECTRIC, CHARTER CABLE	LIGHT
145	157' S. ST. CLAIR	NO TAG	NO UTILITIES		POLE HAS BEEN CUT IN HALF
256	135' NE CL 18TH ST. & BAUGH, 35' E CL 18 TH ST.	NO TAG	ELECTRIC, TELEPHONE, CATV, FIBER OPTIC	AT&T, AMEREN ELECTRIC, CHARTER CABLE	TELEPHONE DROP, ELECTRIC DROP, FOC DROP, CABLE DROP
257	SE CORNER 18TH ST. & BAUGH	18786	ELECTRIC, TELEPHONE, CATV	AT&T, AMEREN ELECTRIC, CHARTER CABLE	GUY E.
258	100' S. SE CORNER 18TH ST. & BAUGH	18787	ELECTRIC, TELEPHONE, CATV	AT&T, AMEREN ELECTRIC, CHARTER CABLE	
259	88' N. NE CORNER 18TH ST. & ST. CLAIR	18788	NO UTILITIES		
260	98' W. CL 18TH ST. & BAUGH ON N. SIDE OF BAUGH	727642	ELECTRIC SERVICE	AMEREN ELECTRIC	LIGHT
261	131' W. CL 18TH ST. & BAUGH ON N. SIDE OF BAUGH	727643	ELECTRIC, TELEPHONE, CATV, FIBER OPTIC	AT&T, AMEREN ELECTRIC, CHARTER CABLE	CATV DROP, TELEPHONE DROP
262	256' W. CL 18TH ST. & BAUGH ON N. SIDE OF BAUGH	727644	ELECTRIC, TELEPHONE, CATV, FIBER OPTIC	AT&T, AMEREN ELECTRIC, CHARTER CABLE	GUY TO N. & W., TRANSFORMER, CATV DROP, TELEPHONE DROP
263	256' W. CL 18TH ST. & BAUGH ON S. SIDE OF BAUGH	NO TAG	TELEPHONE	AT&T	

LEGEND
- UNKNOWN
- ABANDONED SANITARY
- FORCE MAIN
- FORCE MAIN (QL "D")
- CTV — CABLE TV
- T — TELEPHONE
- G — GAS
- G — GAS (QL "D")
- E — ELECTRIC
- W — WATER
- W — WATER (QL "D")
- FO — FIBER OPTIC
- FO — FIBER OPTIC (QL "D")
- WELL DRAINAGE
- UTILITY POLE
- TBE TEST HOLE

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CIVIL ENGINEERING • TRANSPORTATION • ENVIRONMENTAL • PLANNING • UTILITY ENGINEERING/LOCATING

20 0 METERS 20 40
50 0 FEET 50 100

Checked By: _____
Date: _____

TBE Job No. IL09500601,502,603,604, 607,608,609
SUE Plan Page: 21 of 35

FILE NAME = #FILEL#	USER NAME =	DESIGNED EG, IP, LP	REVISED 7/28/09 - 8/26/09 ADDED TEST HOLES #60-108	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN KLC	REVISED	
	PLOT SCALE = 1" = 50'	CHECKED JB	REVISED	
	PLOT DATE = #DATE#	DATE 9/15/09	REVISED	

Mississippi River Bridge Project

SCALE: | SHEET NO. | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		St. Clair		
		PTB NO. 147-038		
FED. ROAD DIST. NO.	ILLINOIS	Job No.: D-98-061-08		

12

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	EXISTING TOP ELEVATION	EXISTING CUT	REFERENCE ELEVATION	COMMENTS
1	4" G	14043453.467	2454521.462	415.92'	2.65'	418.57'	UTILITY QUALITY "A"
1A	6" OTHER	14043457.506	2454517.110	415.35'	3.53'	418.88'	UTILITY QUALITY "A"
2	10" W	14044682.350	2453017.574	414.06'	2.50'	416.56'	UTILITY QUALITY "A"
2A	10" UNK	14044681.786	2453017.964	411.60'	4.95'	416.55'	UTILITY QUALITY "A"
3	6" OTHER	14044655.860	2453035.794	412.20'	4.87'	417.07'	UTILITY QUALITY "A"
4	6" OTHER	14044763.701	2453141.839	411.98'	4.82'	416.80'	UTILITY QUALITY "A"
5	10" G	14045514.452	2453657.049	412.75'	3.99'	416.74'	UTILITY QUALITY "A"
6	10" G	14045453.669	2453786.431	413.30'	2.81'	416.11'	UTILITY QUALITY "A"
7	18" W	14045312.599	2453875.167	413.79'	2.21'	416.00'	UTILITY QUALITY "A"
8	4" G	14045328.282	2453854.150	413.06'	3.43'	416.49'	UTILITY QUALITY "A"
9	18" W	14045031.150	2454154.105	415.32'	3.69'	419.01'	UTILITY QUALITY "A"
10	8" W	14045034.302	2454156.332	416.21'	2.70'	418.91'	UTILITY QUALITY "A"
11	18" W	14044906.199	2454276.047	414.47'	4.24'	418.71'	UTILITY QUALITY "A"
11A	6" UNK	14044906.541	2454276.470	415.21'	3.49'	418.70'	UTILITY QUALITY "A"
12	8" W	14044909.978	2454279.395	415.34'	3.33'	418.67'	UTILITY QUALITY "A"
13	2" G	14044137.783	2452877.805	413.86'	3.02'	416.88'	UTILITY QUALITY "A"
14	20" W	14044141.767	2452881.669	413.49'	3.14'	416.63'	UTILITY QUALITY "A"
15	2" G	14044110.367	2452905.268	414.08'	2.90'	416.98'	UTILITY QUALITY "A"
16	20" W	14044114.243	2452909.581	413.08'	3.75'	416.83'	UTILITY QUALITY "A"
17	4" FOC	14042753.410	2456505.857	416.01'	3.43'	419.44'	UTILITY QUALITY "A"
18	4" G	14044112.780	2455173.719	413.31'	3.97'	417.28'	UTILITY QUALITY "A"
19	4" G	14044070.850	2455134.286	413.36'	3.59'	416.95'	UTILITY QUALITY "A"
20	8" W	14044460.669	2454720.196	414.51'	2.90'	417.41'	UTILITY QUALITY "A"
20A	8" W	14044463.632	2454721.022	414.51'	2.77'	417.28'	UTILITY QUALITY "A"
21	12" W	14044513.392	2454658.497	412.84'	5.11'	417.95'	UTILITY QUALITY "A"
22	12" W	14044576.294	2454686.329	413.53'	4.59'	418.12'	UTILITY QUALITY "A"
23	8" W	14044607.934	2454578.131	414.89'	3.16'	418.05'	UTILITY QUALITY "A"
23A	8" W	14044609.557	2454578.474	414.89'	3.21'	418.10'	UTILITY QUALITY "A"
24	12" W	14044809.485	2453210.706	411.99'	4.69'	416.68'	UTILITY QUALITY "A"
25	12" W	14044480.796	2452947.689	410.82'	6.43'	417.25'	UTILITY QUALITY "A"
26	2" UNK	14045595.790	2452674.659	412.87'	2.36'	415.23'	UTILITY QUALITY "A"
27	18" SAN	14045591.244	2452697.181	403.70'	11.64'	415.34'	UTILITY QUALITY "A"
28	12" W	14045566.072	2452744.859	409.35'	6.02'	415.37'	UTILITY QUALITY "A"
29	18" W	14045492.479	2453734.725	413.44'	2.63'	416.07'	UTILITY QUALITY "A"

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	EXISTING TOP ELEVATION	EXISTING CUT	REFERENCE ELEVATION	COMMENTS
30	8" W	14044161.696	2452885.767	410.01'	6.90'	416.91'	UTILITY QUALITY "A"
31	16" W	14044156.860	2452881.447	414.00'	2.69'	416.69'	UTILITY QUALITY "A"
32	16" W	14044133.132	2452906.448	413.76'	3.09'	416.85'	UTILITY QUALITY "A"
33	8" W	14044136.345	2452910.838	410.15'	6.84'	416.99'	UTILITY QUALITY "A"
34	16" W	14044174.031	2452897.250	412.05'	4.69'	416.74'	UTILITY QUALITY "A"
34A	6" UNK	14044174.031	2452897.250	414.07'	2.67'	416.74'	UTILITY QUALITY "A"
35	18"X12" BT	14044175.836	2452899.292	413.94'	2.72'	416.66'	UTILITY QUALITY "A"
36	16" W	14044148.505	2452922.299	412.78'	4.07'	416.85'	UTILITY QUALITY "A"
36A	6" UNK	14044148.476	2452922.110	414.09'	2.75'	416.84'	UTILITY QUALITY "A"
37	18"X12" BT	14044150.249	2452924.065	414.04'	2.75'	416.79'	UTILITY QUALITY "A"
38	6" W	14047246.513	2449940.330	402.58'	2.31'	404.89'	UTILITY QUALITY "A"
39	6" W	14047250.708	2449919.903	402.04'	2.94'	404.98'	UTILITY QUALITY "A"
40	48" W	14047284.727	2449874.354	401.51'	3.65'	405.16'	UTILITY QUALITY "A"
41	24" W	14047268.684	2449897.339	402.80'	2.62'	405.42'	UTILITY QUALITY "A"
42	6" W	14047447.348	2450113.793	402.59'	2.79'	405.38'	UTILITY QUALITY "A"
43	6" W	14047440.457	2450134.220	402.09'	3.11'	405.20'	UTILITY QUALITY "A"
44	6" W	14047554.670	2450219.704	402.72'	2.37'	405.09'	UTILITY QUALITY "A"
45	6" W	14047535.696	2450228.748	402.33'	2.68'	405.01'	UTILITY QUALITY "A"
46	48" W	14047521.685	2449943.255	402.40'	3.50'	405.90'	UTILITY QUALITY "A"
47	24" W	14047522.312	2449962.793	403.50'	2.60'	406.10'	UTILITY QUALITY "A"
48	48" W	14047438.557	2449917.613	401.95'	3.68'	405.63'	UTILITY QUALITY "A"
49	24" W	14047428.655	2449938.495	402.96'	2.58'	405.54'	UTILITY QUALITY "A"
50	18" FM	14047419.760	2449748.990	402.25'	3.11'	405.36'	UTILITY QUALITY "A"
51	24" FM	14047417.600	2449744.130	401.01'	4.29'	405.30'	UTILITY QUALITY "A"
52	24" FM	14047502.669	2449715.552	401.51'	4.22'	405.73'	UTILITY QUALITY "A"
53	18" FM	14047504.477	2449721.132	402.51'	3.30'	405.81'	UTILITY QUALITY "A"
54	12" W	14045442.112	2452609.121	407.81'	7.02'	414.83'	UTILITY QUALITY "A"
55	8" W	14045468.223	2452602.963	410.22'	4.78'	415.00'	UTILITY QUALITY "A"
56	6" W	14045584.025	2452728.712	411.21'	4.21'	415.42'	UTILITY QUALITY "A"
57	8" W	14045402.091	2452469.726	409.95'	4.91'	414.86'	UTILITY QUALITY "A"
58	8" W	14045446.203	2452607.700	409.59'	5.28'	414.87'	UTILITY QUALITY "A"
59	8" W	14045397.747	2452504.516	411.38'	3.35'	414.73'	UTILITY QUALITY "A"

NOTES

ABBREVIATIONS

BT = TELEPHONE
FM = FORCE MAIN
FOC = FIBER OPTIC
G = GAS MAIN
SAN = SANITARY
UNK = UNKNOWN
W = WATER
OTHER = RETIRED GAS

ALL INFORMATION SHOWN WAS OBTAINED FROM A LOCATION SURVEY.

TBE GROUP

TBE GROUP, INC.
CIVIL ENGINEERING • TRANSPORTATION • ENVIRONMENTAL • PLANNING • UTILITY ENGINEERING/LOCATING

Checked By: _____
Date: _____

TBE Job No. IL09500601, 602.603.604.607

FILE NAME =	USER NAME =	DESIGNED EG	REVISED
$FILEL$		DRAWN KLC	REVISED
	PLOT SCALE = 1" = 50'	CHECKED JB	REVISED
	PLOT DATE = $DATE$	DATE 2/13/09	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Mississippi River Bridge Project

SCALE: | SHEET NO. | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		St. Clair		

PTB NO. 147-038

FED. ROAD DIST. NO. | ILLINOIS | Job No.: D-98-061-08

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	EXISTING TOP ELEVATION	EXISTING CUT	REFERENCE ELEVATION	COMMENTS
60	24" W	14042722.330	2456684.337	414.24'	3.18'	417.42'	UTILITY QUALITY "A"
60A	4" UNK	14042725.390	2456680.732	409.70'	7.59'	417.29'	UTILITY QUALITY "A"
61	20" W	14042705.070	2456586.129	412.70'	4.01'	416.71'	UTILITY QUALITY "A"
62	20" W	14042690.440	2456899.898	415.02'	3.65'	418.67'	UTILITY QUALITY "A"
63	2" UNK	14042281.530	2456155.952	414.84'	3.61'	418.45'	UTILITY QUALITY "A"
64	36" W	14042316.230	2456136.414	413.76'	4.43'	418.19'	UTILITY QUALITY "A"
65	2" UNK	14042314.090	2456133.884	414.84'	3.51'	418.35'	UTILITY QUALITY "A"
66	8" UNK	14042450.450	2455994.052	414.83'	3.40'	418.23'	UTILITY QUALITY "A"
67	2" UNK	14042454.430	2455998.409	415.44'	2.85'	418.29'	UTILITY QUALITY "A"
68	4" UNK	14042457.470	2456002.037	414.82'	3.45'	418.27'	UTILITY QUALITY "A"
69	36" W	14042464.890	2456012.026	414.96'	3.67'	418.63'	UTILITY QUALITY "A"
70	20" W	14042286.640	2456154.851	412.22'	6.14'	418.36'	UTILITY QUALITY "A"
71	20" W	14042241.950	2455615.171	416.05'	5.87'	421.92'	UTILITY QUALITY "A"
72	20" W	14042232.410	2455517.658	418.91'	4.17'	423.08'	UTILITY QUALITY "A"
73	20" W	14042156.060	2455213.133	420.68'	4.48'	425.16'	UTILITY QUALITY "A"
74	20" W	14042120.280	2455122.182	420.08'	6.95'	427.03'	UTILITY QUALITY "A"
75	20" W	14042531.070	2457205.577	411.43'	3.76'	415.19'	UTILITY QUALITY "A"
76	24" W	14042583.630	2457375.789	410.73'	2.57'	413.30'	UTILITY QUALITY "A"
77	4" FOC	14042590.660	2457382.922	410.40'	3.30'	413.70'	UTILITY QUALITY "A"
78	(2)2" FOC	14042604.670	2457401.268	409.76'	3.79'	413.55'	UTILITY QUALITY "A"
79	(2)2" FOC	14042433.810	2457556.975	406.63'	7.50'	414.13'	UTILITY QUALITY "A"
80	4" FOC	14042430.280	2457546.292	407.51'	6.27'	413.78'	UTILITY QUALITY "A"
81	*36" W	14042421.610	2457539.600	410.78'	2.75'	413.53'	UTILITY QUALITY "A"
82	UNK W	14041858.440	2456590.499	411.89'	4.38'	416.27'	SEE NOTE
83	30" W	14041843.460	2456585.801	411.68'	4.99'	416.67'	UTILITY QUALITY "A"
84	30" W	14041740.290	2456692.758	410.76'	4.22'	414.98'	UTILITY QUALITY "A"
85	24" W	14041730.210	2456681.592	410.71'	5.75'	416.46'	UTILITY QUALITY "A"
86	30" W	14041566.250	2456872.950	408.39'	7.94'	416.33'	UTILITY QUALITY "A"
87	*36" FM	14038424.830	2459419.559	413.15'	5.95'	419.10'	UTILITY QUALITY "A"
88	24" E	14043097.290	2458118.122	409.90'	2.43'	412.33'	UTILITY QUALITY "A"
89	17" E	14043051.720	2457749.264	413.05'	3.58'	416.63'	UTILITY QUALITY "A"
90	12" FM	14038436.480	2459376.954	412.23'	7.27'	419.50'	UTILITY QUALITY "A"
90A	12" FM	14038435.290	2459376.674	412.21'	7.25'	419.46'	UTILITY QUALITY "A"

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	EXISTING TOP ELEVATION	EXISTING CUT	REFERENCE ELEVATION	COMMENTS
91	12" FM	14038473.320	2459293.127	414.50'	4.29'	418.79'	UTILITY QUALITY "A"
91A	12" FM	14038471.500	2459292.633	414.50'	4.22'	418.72'	UTILITY QUALITY "A"
92	12" FM	14038504.490	2459205.834	415.49'	1.90'	417.39'	UTILITY QUALITY "A"
92A	12" FM	14038503.100	2459205.251	415.58'	1.91'	417.49'	UTILITY QUALITY "A"
93	36" FM	14038733.720	2458735.084	407.51'	6.87'	414.38'	UTILITY QUALITY "A"
94	12" FM	14039149.340	2458190.417	408.41'	5.80'	414.21'	UTILITY QUALITY "A"
94A	12" FM	14039151.160	2458191.975	408.38'	6.12'	414.50'	UTILITY QUALITY "A"
95	12" W	14040384.740	2456656.310	409.58'	3.88'	413.46'	UTILITY QUALITY "A"
96	10" W	14039395.970	2457628.719	409.76'	3.90'	413.66'	UTILITY QUALITY "A"
97	12" W	14040977.440	2456072.467	409.99'	4.94'	414.93'	UTILITY QUALITY "A"
98	6" W	14040949.580	2456102.818	409.77'	4.89'	414.66'	UTILITY QUALITY "A"
99	12" W	14040968.400	2456092.057	410.09'	4.55'	414.64'	UTILITY QUALITY "A"
100	6" W	14040514.240	2457280.956	410.83'	3.86'	414.69'	UTILITY QUALITY "A"
101	24" W	14041552.710	2456856.617	410.17'	7.13'	417.30'	UTILITY QUALITY "A"
102	36" W	14042207.970	2456242.068	412.43'	7.34'	419.77'	UTILITY QUALITY "A"
103	8" UNK	14042191.050	2456241.155	414.57'	5.03'	419.60'	UTILITY QUALITY "A"
104	8" SAN	14044643.210	2454401.789	412.73'	6.11'	418.84'	UTILITY QUALITY "A"
105	12" SAN	14044443.800	2454701.565	412.75'	4.88'	417.63'	UTILITY QUALITY "A"
106	12" SAN	14044163.280	2454980.991	412.62'	3.99'	416.61'	UTILITY QUALITY "A"
107	10" SAN	14044683.950	2454353.616	415.65'	3.63'	419.28'	UTILITY QUALITY "A"
108	8" SAN	14044685.280	2454352.426	413.15'	6.13'	419.28'	UTILITY QUALITY "A"

NOTES

* TH #81 - RECORDS SHOW A 24" WATER MAIN BUT WE EXPOSED A 36" STEEL PIPE WHICH WE BELIEVE COULD BE A CASING FOR THE WATER MAIN.

TH #82 - UNABLE TO EXPOSE UTILITY DUE TO COLLAPSING GRAVEL. BY UTILIZING THE AIR LANCE WE WERE ABLE TO FEEL THE TOP OF PIPE. UTILITY QUALITY LEVEL "B"

* TH #87 - WE EXPOSED A 36" STEEL PIPE WHICH WE BELIEVE TO BE THE CASING FOR THE 2- IDOT WELL DISCHARGE PIPES.

ABBREVIATIONS

BT = TELEPHONE
FM = FORCE MAIN
FOC = FIBER OPTIC
G = GAS MAIN
SAN = SANITARY
UNK = UNKNOWN
W = WATER
OTHER = RETIRED GAS

ALL INFORMATION SHOWN WAS OBTAINED FROM A LOCATION SURVEY.

TBE GROUP

TBE GROUP, INC.
CIVIL ENGINEERING • TRANSPORTATION • ENVIRONMENTAL • PLANNING • UTILITY ENGINEERING/LOCATING

Checked By: _____
Date: _____

TBE Job No. IL09500601.602.603.604.607.608.609

FILE NAME =	USER NAME =	DESIGNED EG	REVISED
$FILE$		DRAWN KLC	REVISED
	PLOT SCALE = 1" = 50'	CHECKED JB	REVISED
	PLOT DATE = $DATE$	DATE 9/15/09	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Mississippi River Bridge Project

SCALE: | SHEET NO. | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		St. Clair		

PTB NO. 147-038

FED. ROAD DIST. NO. | ILLINOIS | Job No.: D-98-061-08

PART OF THE NE 1/4 OF SECTION 18, T2N, R9W, OF THE 3RD PM, ST. CLAIR COUNTY, ILLINOIS

10-18-08

ILLINOIS CITY
RECORDED JULY 2, 1825
IN BOOK OF DEEDS "E" PAGES 301&302

PROPOSED ℄ RELOCATED BAUGH AVENUE
EXISTING ℄ I-64
PROPOSED ℄ I-64 EB
PROPOSED ℄ I-55 SB, I-64 EB
PROPOSED ℄ RAMP A
PROPOSED ℄ 15TH STREET
PROPOSED ℄ RAMP E
PROPOSED ℄ BAUGH AVENUE
PROPOSED ℄ PEDESTRIAN BRIDGE
BAUGH AVENUE
ALLEY VACATED
ALLEY (21' W)
15TH STREET
BOWMAN AVENUE
BLOCK 11
BLOCK 59
EXISTING R.O.W. & A/C LINE
EXISTING R.O.W. LINE PER BK 2149, PG 323
EXISTING R.O.W. LINE PER BK 2105, PG 207
EXISTING R.O.W. LINE PER BOOK 1804 PAGE 467
EXISTING R.O.W. LINE PER BOOK 1800 PAGE 632
EXISTING R.O.W. LINE PER BOOK 1807 PAGE 407
EXISTING R.O.W. PER BOOK 1947 PAGE 402
EXISTING R.O.W. LINE PER CONDEMNATION NUMBER AT LAW NO. 63-2091
EXISTING R.O.W. LINE PER BOOK 1762 PAGE 244
EXISTING R.O.W. LINE PER BK 2139, PG 318
EXISTING R.O.W. LINE PER BK E PG 301 & 302
EXISTING R.O.W. LINE PER CASE NO. 68-8036
BI-STATE DEVELOPMENT AGENCY CONCRETE BLOCK
BI-STATE BUILDING CONCRETE BLOCK
CHURCH BRICK FRAME
CHURCH STONE FRAME
FOUND CONC. MONUMENT
PROP. TEMP. EASEMENT LINE
PROPOSED TEMP. EASEMENT LINE
SEE DETAIL
DETAIL
L= 39.27'
R= 25.00'
CH= N 89°30'44" W
C= 35.36'
PROP. CURVE PEDBRG-1
PI STA. = 22+78.55
Δ = 89° 21' 01" (RT)
T = 36.58'
L = 57.70'
R = 37.00'
C = 52.03'
CB = S 89° 10' 24" E
P.C. STA = 22+41.97
P.T. STA = 22+99.67
N

STATE OF ILLINOIS)
) SS
COUNTY OF)

I, GEORGE L. WOODS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED _____

GEORGE L. WOODS, PLS NO. 3015
LICENSE EXPIRATION DATE: 11/30/2008

GEORGE L. WOODS 3015 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS CHATHAM, ILLINOIS

PARCEL NO.	OWNER	TOTAL HOLDING	FEE SIMPLE ACQUISITION		REMAINDER	EASEMENTS PE = PERMANENT TE = TEMPORARY		EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
		ACRES	ACRES	SQ. FT.	ACRES	ACRES	SQ. FT.			
8826290	GETHSEMANE CHURCH TITLE REPORT NO. SC-5421.0, SC-5423.0, SC-5422.0 BK 2589 PG 713 & BK 2829 PG 968	0.9357 1				PE 0.0612 TE 0.0419	PE 2,665 TE 1,827	PEDESTRIAN BRIDGE ENTRANCE CONSTRUCTION GRADING	02-18-0-203-012 02-18-0-203-008 02-18-0-203-014	
8826291	IMMACULATE CONCEPTION ROMAN CATHOLIC CHURCH OF EAST ST. LOUIS, ST. CLAIR COUNTY, ILLINOIS TITLE REPORT NO. SC-5424.0 BK 2340 PG 1401	1.0689 1	0.0003	13	1.0686	TE 0.0069	TE 300	GRADING	02-18-0-208-008	

SPACE RESERVED FOR RECORDING OFFICER

LIN ENGINEERING, LTD.
CONSULTING ENGINEERS
210 WEST CHESTNUT
CHATHAM, IL 62629
PROFESSIONAL DESIGN FIRM NO. 184-001181
PHONE: (217)-483-4168 FAX: (217)-483-4706

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP ROUTE 998
SECTION 82-1-HBR & HB
ST. CLAIR COUNTY
JOB NO. R-98-026-08

STATION xx+xx.xx TO STATION xx+xx.xx

40' 0 40' 80'
SCALE: 1" = 40' SHEET 17 OF

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
----	----------	----------	----	17

CONTRACT NO. _____

FED. ROAD DIST. NO. _ | ILLINOIS | FED. AID PROJECT

COMPLETION DATE OF FIELD WORK PERFORMED	
LAND SURVEY:	ROW STAKING:

ROUTE IL FAP ROUTE 998 CONSTRUCTION SECTION 82-1-HBR & HB ST. CLAIR COUNTY JOB # R-98-026-08

PART OF SEC. 18, T. 2 N., R. 9 W. OF THE 3RD P.M.

PART OF THE NE 1/4 OF SECTION 18, T2N, R9W, OF THE 3RD PM, ST. CLAIR COUNTY, ILLINOIS

05-06-09

CENTERLINE COORDINATE TABLE (BAUGH AVE. N)		
STATION	NORTH	EAST
PI 5+00.00 (BAUGH AVE. N) = PI 9+74.03 (15TH STREET)	14,039,792.0596	2,457,936.9793
POT STATION EQUATION 7+62.62 BK = 502+62.62 AH	14,039,980.7407	2,457,754.3083
PI 503+14.42 (BAUGH AVE. N) = PI 20+21.35 (PEDESTRIAN BRIDGE)	14,040,017.9557	2,457,718.2788
CENTERLINE COORDINATE TABLE (PEDESTRIAN BRIDGE)		
PI 20+96.00	14,040,056.5833	2,457,782.1558
PC 22+41.97	14,040,157.7032	2,457,887.4242
PT 23+00.08	14,040,156.6563	2,457,939.7351
PI 25+58.22 (PEDESTRIAN BRIDGE) = PI 12+28.65 (15TH STREET)	14,039,970.5226	2,458,118.5953

STATION/OFFSETS REFERENCED TO CENTERLINE BAUGH AVENUE N			
STATION	OFFSET	NORTH	EAST
5+62.99	262.26' RT	14,040,019.7370	2,458,081.5871
5+63.11	274.16' RT	14,040,028.1012	2,458,090.0567
6+54.37	289.75' RT	14,040,104.5083	2,458,037.7763
6+54.47	274.75' RT	14,040,094.1440	2,458,026.9328
6+74.37	289.88' RT	14,040,118.9663	2,458,023.9573
6+74.47	274.88' RT	14,040,108.6020	2,458,013.1137
502+85.73	50.17' RT	14,040,032.2367	2,457,774.2802
502+87.35	260.55' RT	14,040,179.7362	2,457,924.3005
502+91.90	275.63' RT	14,040,193.4995	2,457,931.9684
503+19.05	91.91' RT	14,040,085.2117	2,457,781.0910
503+20.35	260.19' RT	14,040,203.1961	2,457,901.0919
503+28.72	49.70' RT	14,040,062.8053	2,457,744.0382
504+56.97	39.57' RT	14,040,147.8968	2,457,647.5490

14TH STREET (VACATED) ORDINANCE NO. 01-10042

ALLEY (VACATED) ORDINANCE NO. 01-10064

NOTE: SEE SHEET 17A FOR TOTAL HOLDING INFORMATION AND SHEET 14 FOR PARCEL 8826289TE-C INFORMATION

EXISTING ROW LINE PER BK 2105, PG 323

EXISTING ROW LINE PER BK 2105, PG 207

POC 8826289TE-A STA 503+24.05 39.57' RT

S 48° 35' 30" E 126.65'

S 48° 35' 30" E 122.41'

N 58°50'16" E 44.29'

N 58°50'16" E 43.30'

POB 8826289TE-A STA 503+19.05 91.91' RT

N 48° 35' 30" W 6.09'

N 44° 02' 59" W 36.93'

STA 503+14.42 BAUGH AVE. N = STA 20+21.35 PEDESTRIAN BRIDGE

STA 503+20.35 260.19' RT

STA 503+25.54 285.85' RT

STA 502+91.90 275.63' RT

S 72° 33' 55" E 132.36'

S 43° 42' 20" E 151.15'

BI-STATE DEVELOPMENT AGENCY CONC. BLOCK

CANOPY

8826289TE-A

PROPOSED TEMP. EASEMENT LINE

N 45° 29' 08" E 193.40'

NORTHWESTERLY LINE OF LOT 367 (N 47° 58' 57" E (19.16') (LOT 367 EXCEPTION))

STA 503+24.05 52.46' RT

STA 503+19.05 91.91' RT

8826289PE

PROPOSED PERMANENT EASEMENT LINE

PC STA. 22+41.97

S 45° 29' 08" W 210.39'

(S 41°16'48" W 189.43') (LOT 367 EXCEPTION)

S'ELY LINE PER BK 3227, PG 1863

PI STA. 20+96.00

N 45°09'05" E

82°18'48"

102°54'39"

20+00

Lot 368

Lot 367

Lot 362

Lot 363

Lot 364

Lot 366

Lot 365

BLOCK 11

ILLINOIS CITY
RECORDED JULY 2, 1825
IN BOOK OF DEEDS "E" PAGES 301&302

CHURCH BRICK FRAME

GETHSEMANE CHURCH

CHURCH PARKING LOT

PORTABLE SHED

S'ELY LINE OF LOT 367

ALLEY

EX. ROW LINE PER BK "E" PG 301 & 302

S 43°51'30" E

S 43° 42' 20" E 224.36'

PROPOSED TEMP. EASEMENT LINE

N 46° 17' 40" E

STA 6+74.37 288.88' RT

STA 6+74.47 274.88' RT

S 43° 42' 20" E 117.44'

S 43° 42' 20" E 15.00'

STA 6+54.37 288.78' RT

S 46° 17' 40" W 15.00'

STA 6+54.40 274.75' RT

STA 6+54.41 260.75' RT

PROPOSED PERMANENT EASEMENT LINE

S 43° 42' 20" E 91.36'

8826289TE-B

POB 8826289TE-B STA 5+63.11 274.16' RT

S 45° 21' 31" W 11.50'

STA 5+52.39 262.29' RT

POC 8826289TE-B STA 5+50.99 262.26' RT

S 45°17'57" E 28.00'

S 43° 42' 20" E 51.27'

STA 6+03.13 284.42' RT

68°14'56" E 43.57'

EX ROW LINE PER BK 2139 PG 318

PROPOSED ℄ 15TH ST.

125+00

STA 503+42.62 50.17' RT

EXISTING ROW LINE PER BK 2139, PG 318

POT STA. EQUATION STA 7+62.62 BK = STA 502+62.62 AH

PROPOSED ℄ PEDESTRIAN BRIDGE

N 56°50'16" E

AC

N 44° 04' 22" W

PROPOSED ℄ BAUGH AVE. N

BAUGH AVENUE

15TH STREET

90°38'24"

POT Sta. 25+80.29

N 45° 30' 06" E

STA 12+28.65 15TH ST. = STA 25+58.22 PEDESTRIAN BRIDGE

N

STATE OF ILLINOIS

COUNTY OF

I, GEORGE L. WOODS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED OR DIRECTED THE SURVEY OF THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED _____

GEORGE L. WOODS, PLS NO. 3015
LICENSE EXPIRATION DATE: 11/30/2010

GEORGE L. WOODS 3015 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS CHATHAM, ILLINOIS

PARCEL NO.	OWNER	TOTAL HOLDING	EASEMENTS PE = PERMANENT TE = TEMPORARY		EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
		ACRES	ACRES	SQ. FT.			
8826289	THE BI-STATE DEVELOPMENT AGENCY OF THE MISSOURI-ILLINOIS METROPOLITAN DISTRICT TITLE REPORT NO. SC-5432.0 & 5433.0 BK 3316 PG 67, BK 3228 PG 2036, BK 3227 PG 1869 BK 3252 PG 1527, BK 3213 PG 244, BK 4130 PG 924 BK 3242 PG 2312, BK 3238 PG 724, BK 3206 PG 2291, BK 3225 PG 2295, BK 3119 PG 2232, BK 3247 PG 135 BK 3234 PG 169 [1]	12.1717	PE 0.2468 TE-A 0.0659 TE-B 0.0292 **TE-C 0.0011	PE 10,751 TE-A 2,871 TE-B 1,274 **TE-C 50	PEDESTRIAN BRIDGE MAINTENANCE TEMPORARY SIDEWALK CONSTRUCTION & GRADING	02-18-0-600-001 (PT) 02-18-4-600-001 02-18.0-600-002 (PT)	

[*]

*SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

**SEE SHEET 14 FOR PARCEL 8826289TE-C

SPACE RESERVED FOR RECORDING OFFICER

STATIONING REFERENCE TO PROPOSED BAUGH AVENUE N

COMPLETION DATE OF FIELD WORK PERFORMED	
LAND SURVEY:	ROW STAKING:

LIN ENGINEERING, LTD.
CONSULTING ENGINEERS
210 WEST CHESTNUT
CHATHAM, IL 62629
PROFESSIONAL DESIGN FIRM NO. 184-001181
PHONE: (217)-483-4168 FAX: (217)-483-4706

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP ROUTE 998
SECTION 82-1-2HB & 82-1-3HB
ST. CLAIR COUNTY
JOB NO. R-98-026-08
STATION 5+62.99 TO STATION 503+28.72

40' 0 40' 80'
SCALE: 1" = 20' SHEET 17A-1 OF

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
998	82-1-2HB & 82-1-3HB	ST. CLAIR	____	17A-1
		CONTRACT NO. _____		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 5/5/2009
FILE NAME = #FILE#
PLOT SCALE = #SCALE#
USER NAME = #USER#

ROUTE IL FAP ROUTE 998 CONSTRUCTION SECTION 82-1-2HB & 3HB ST. CLAIR COUNTY JOB # R-98-026-08

PART OF THE N 1/2 OF SECTION 18, T2N, R9W OF THE 3RD PM, ST. CLAIR COUNTY, ILLINOIS

03-25-09

STATE OF ILLINOIS)
) SS
COUNTY OF)

I, GEORGE L. WOODS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED OR DIRECTED THE SURVEY OF THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED _____

_____
GEORGE L. WOODS, PLS NO. 3015
LICENSE EXPIRATION DATE: 11/30/2010

GEORGE L. WOODS 3015 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS CHATHAM, ILLINOIS

ILLINOIS CITY
PLAT BOOK E PAGE 301 & 302
RECORDED JULY 2nd 1825

BOWMAN AVENUE

11TH STREET

15TH STREET

EX ROW LINE PER BK E PG 301 & 302

BLOCK 13

BLOCK 12

BLOCK 11

Lot 257 Lot 258 Lot 259 Lot 260 Lot 264 Lot 263 Lot 262 Lot 261 Lot 337 Lot 338 Lot 339 Lot 340 Lot 344 Lot 343 Lot 342 Lot 341 Lot 361 Lot 362 Lot 363 Lot 364 Lot 365 Lot 366 Lot 367 Lot 368

VACATED ALLEY (21' W)
ORDINANCE NO. 01-10066

VACATED ALLEY (21' W)
ORDINANCE NO. 01-10065

VACATED 13TH STREET
ORDINANCE NO. 01-10041

VACATED 14TH STREET
ORDINANCE NO. 01-10042

VACATED ALLEY (21' W)
ORDINANCE NO. 01-10064

PARCEL 8826289

THE BI-STATE DEVELOPMENT AGENCY OF THE MISSOURI-ILLINOIS METROPOLITAN DISTRICT

TITLE REPORT NO. SC-5432.0 & 5433.0
BK 3316 PG 67, BK 3228 PG 2036, BK 3227 PG 1869
BK 3252 PG 1527, BK 3213 PG 244, BK 4130 PG 924
BK 3242 PG 2312, BK 3238 PG 724, BK 3206 PG 2291,
BK 3225 PG 2295, BK 3119 PG 2232, BK 3247 PG 135
BK 3234 PG 169

BI-STATE DEVELOPMENT AGENCY EQUIPMENT BUILDING CONC. BLOCK

BI-STATE DEVELOPMENT AGENCY CONCRETE BLOCK

NOTE: SEE SHEET 17A-1 FOR PARCEL 8826289 INFORMATION

8826289TE-A 8826289TE-B 8826289TE-C

NOTE: SEE SHEET 14 FOR PARCEL 8826289TE-C DIMENSIONS

SEE SHEET 17A-1 FOR PARCEL TABLE

DETENTION BASIN

METRO-LINK PARKING

BILLBOARD

CHURCH BRICK FRAME

GETHSEMANE CHURCH

CHURCH PARKING LOT

BIT

EX ROW LINE PER BK E PG 301 & 302

EX ROW LINE PER BK 2139 PG 318

EXISTING ROW LINE PER BK 2149, PG 321

EXISTING ROW LINE PER BK 2105, PG 207

BAUGH AVENUE

PROPOSED ℄ BAUGH AVENUE N

PROPOSED ℄ 64W70W

PROPOSED ℄ 64W

PROPOSED ℄ 64E

PROPOSED ℄ RAMP E

PROPOSED ℄ PEDESTRIAN BRIDGE

PROPOSED ℄ RAMP A

PROPOSED ℄ 15TH STREET

ST. CLAIR COUNTY METRO-LINK

AC

SIGN

25+00 10+00 5+00 515+00 510+00 505+00 20+00 50+00 105+00 100+00 35+00 40+00 45+00 10+00

LIN ENGINEERING, LTD.
CONSULTING ENGINEERS
210 WEST CHESTNUT
CHATHAM, IL 62629
PROFESSIONAL DESIGN FIRM NO. 184-001181
PHONE: (217)-483-4168 FAX: (217)-483-4706

ILLINOIS DEPARTMENT OF TRANSPORTATION

BI-STATE DEVELOPMENT AGENCY TOTAL HOLDING

FAP ROUTE 998
SECTION 82-1-2HB & 82-1-3HB
ST. CLAIR COUNTY
JOB NO. R-98-026-08

50' 0 50' 100'
SCALE: 1" = 50'

SHEET 17A OF

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198

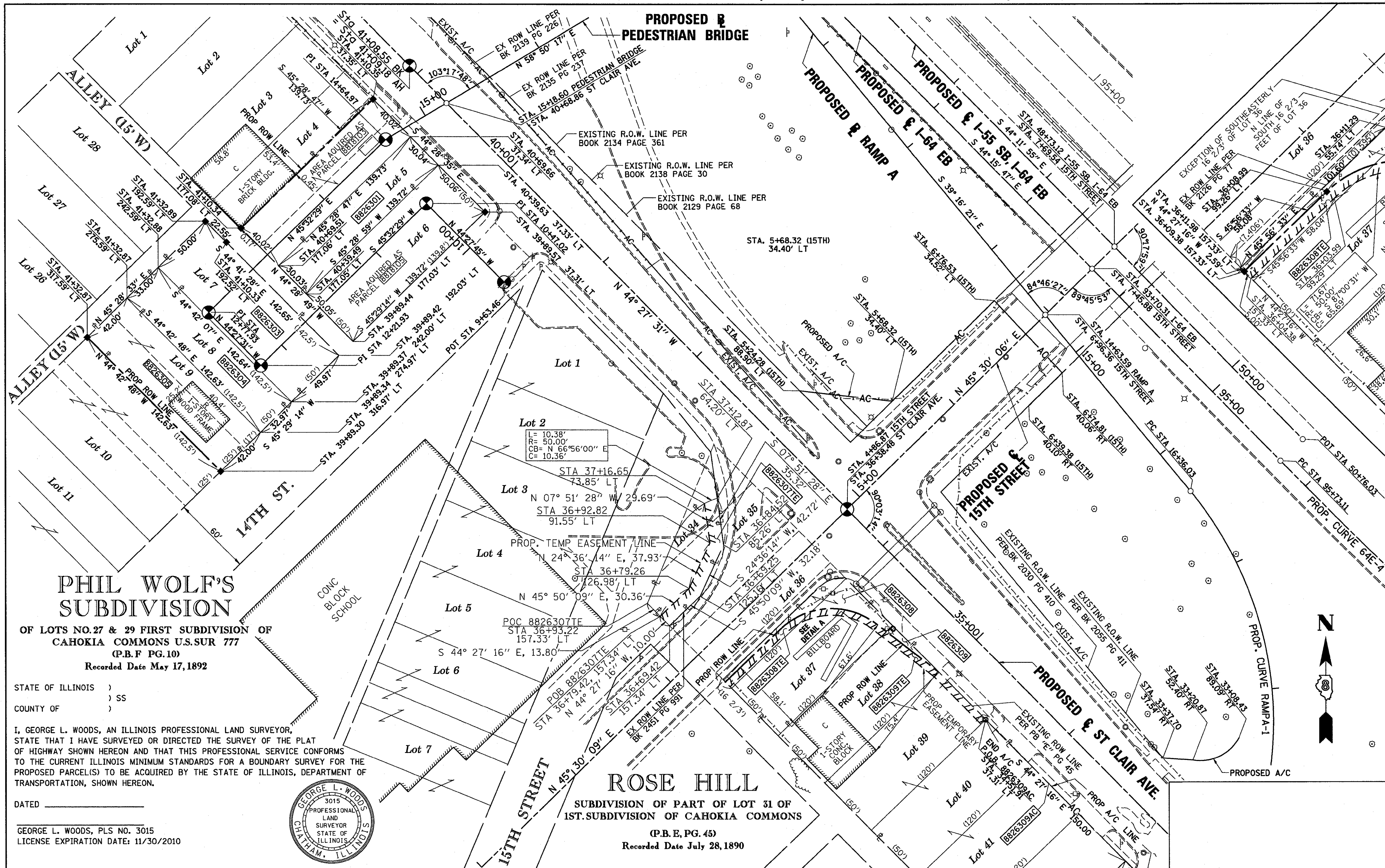
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
998	82-1-2HB & 3HB	ST. CLAIR	____	17A
		CONTRACT NO. _____		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

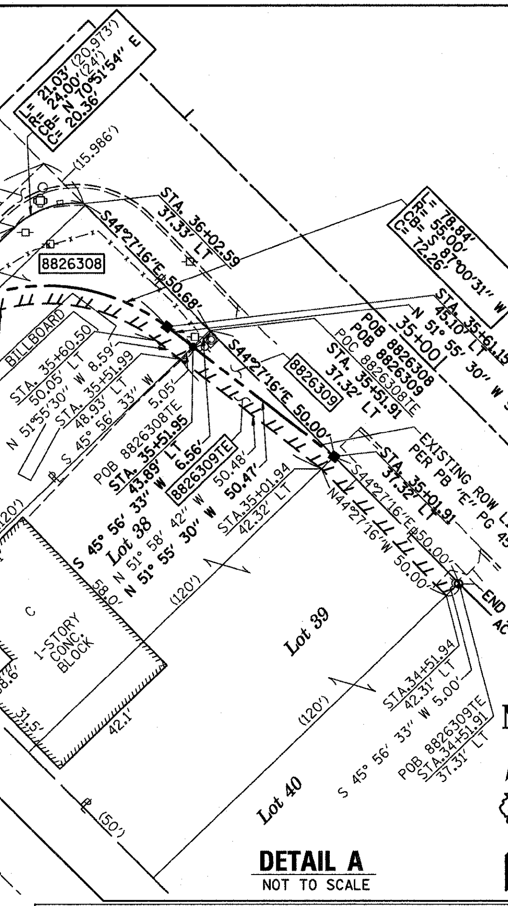
COMPLETION DATE OF FIELD WORK PERFORMED	
LAND SURVEY:	ROW STAKING:

PLOT DATE = 3/25/2009
FILE NAME = #FILE1#
PLOT SCALE = #SCALE#
USER NAME = #USER#

ROUTE IL FAP ROUTE 998 CONSTRUCTION SECTION 82-1-2HB & 3HB ST. CLAIR COUNTY JOB # R-98-026-08

PART OF SEC. 18, T2N, R3W OF THE 3RD PM





STATION	OFFSET	NORTH	EAST
33+01.91	37.28' LT	14,039,184.2190	2,457,798.5629
34+51.91	37.31' LT	14,039,291.2900	2,457,693.5116
35+01.91	37.32' LT	14,039,326.9807	2,457,658.4945
35+51.91	37.32' LT	14,039,362.6711	2,457,623.4774
35+51.95	43.89' LT	14,039,358.1075	2,457,618.7612
35+61.15	45.10' LT	14,039,363.8310	2,457,611.4552
36+02.59	37.33' LT	14,039,398.8472	2,457,587.9837
36+08.99	99.26' LT	14,039,360.0601	2,457,539.2913
36+09.38	157.33' LT	14,039,319.6744	2,457,497.5545
36+11.29	55.74' LT	14,039,392.1732	2,457,568.7482
36+11.98	157.33' LT	14,039,321.5260	2,457,495.7378
39+89.30	316.97' LT	14,039,479.0077	2,457,117.5493
39+89.34	274.97' LT	14,039,508.4526	2,457,147.4992
39+89.37	242.00' LT	14,039,531.5669	2,457,171.0099
39+89.42	192.03' LT	14,039,566.5994	2,457,206.6431
39+89.44	177.03' LT	14,039,577.1154	2,457,217.3395
39+89.57	37.31' LT	14,039,675.0689	2,457,316.9728
40+39.49	177.05' LT	14,039,612.8257	2,457,182.2714
40+39.63	37.33' LT	14,039,710.7887	2,457,281.9000
40+69.51	177.06' LT	14,039,634.2497	2,457,161.2327
40+69.66	37.34' LT	14,039,732.2199	2,457,260.8570
41+10.33	192.52' LT	14,039,651.9763	2,457,122.1821
41+10.34	177.08' LT	14,039,662.8036	2,457,133.1922
41+10.35	37.35' LT	14,039,760.7757	2,457,232.8184
41+32.87	275.59' LT	14,039,609.8130	2,457,047.1481
41+32.87	317.59' LT	14,039,580.3621	2,457,017.2040
41+32.88	242.59' LT	14,039,632.9516	2,457,070.6741
41+32.89	192.59' LT	14,039,668.0103	2,457,106.3200

STATION/OFFSETS REFERENCED TO CENTERLINE ST CLAIR AVE.

STATE OF ILLINOIS)
) SS
COUNTY OF)

I, GEORGE L. WOODS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED OR DIRECTED THE SURVEY OF THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED ____________________

GEORGE L. WOODS, PLS NO. 3015
LICENSE EXPIRATION DATE: 11/30/2010

GEORGE L. WOODS 3015 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS CHATHAM, ILLINOIS

PARCEL NO.	OWNER	TOTAL HOLDING	FEE SIMPLE ACQUISITION GROSS		REMAINDER	EASEMENTS PE = PERMANENT TE = TEMPORARY		EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
		ACRES	ACRES	SQ. FT.	ACRES	ACRES	SQ. FT.			
8818103*	AMANDA REYNOLDS TITLE REPORT NO. SC-3590.0	1 0.1284	0.1284	5,592	0.00				02-18-0-110-039	BK 1552 PG 1552-1554 A01868078
8818105*	RAY SPEARMAN TITLE REPORT NO. SC-3736.0	1 0.1606	0.1606	6,994	0.00				02-18-110-008	BK 4214 PG 1312-1314 A01924432
8826301	ST. CLAIR COUNTY AS TRUSTEE TITLE REPORT NO. SC-5442.0 DOCUMENT NO. A02121469	1 0.0963	0.0963	4,196	0.00				02-18.0-110-007	
8826303	THE HOUSING AUTHORITY OF THE CITY OF EAST ST. LOUIS TITLE REPORT NO. SC-5624.0 BOOK 2293 PAGES 473-475	1 0.1637	0.1637	7,130	0.00				02-18.0-110-017	
8826304	DISCOUNT, INC. RETIREMENT PLAN TITLE REPORT NO. SC-5630.0, DOCUMENT NO. A02014623	1 0.1080	0.1080	4,705	0.00				02-18.0-110-018	
8826305	ST. CLAIR COUNTY AS TRUSTEE TITLE REPORT NO. SC-5631.0, DOCUMENT NO. A02121470	1 0.1375	0.1375	5,990	0.00				02-18.0-110-038	
8826307	THE COUNTY BOARD OF SCHOOL TRUSTEES OF ST. CLAIR COUNTY, FOR THE BENEFIT OF SCHOOL DISTRICT NO. 189 TITLE REPORT NO. SC-5437.0, BOOK 2451 PAGE 991	1 0.0654			0.0654	TE 0.0239	TE 1,043	GRADING & SIDEWALK CONSTRUCTION	02-18.0-112-061	
8826308	O.F.S., Ltd. TITLE REPORT NO. SC-5632.0, BOOK 3030 PAGE 775	1 0.1621	0.0302	1,314	0.1320	TE 0.0163	TE 711	GRADING & SIDEWALK CONSTRUCTION	02-18.0-112-059	
8826309	ADAM ABDELJABBAR, A MARRIED PERSON TITLE REPORT NO. SC-5434.0, DOCUMENT NO. A02073162	1 0.6887	0.0038	164	0.6849	TE 0.0115	TE 501	GRADING & SIDEWALK CONSTRUCTION	02-18.0-112-057 02-18.0-112-058	

* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

* PARCEL PREVIOUSLY AQUIRED

SPACE RESERVED FOR RECORDING OFFICER

PROPOSED ST. CLAIR AVENUE CENTERLINE COORDINATE TABLE

	STATION	NORTH	EAST
PT	29+78.25	14,038,979.2504	2,458,051.8054
PI / PI	36+38.49 (ST CLAIR AVENUE) = 4+86.87 (15TH STREET)	14,039,450.6200	2,457,589.5000
PI / PI	40+68.86 (ST CLAIR AVENUE) = 15+18.60 (PEDESTRIAN BRIDGE)	14,039,450.6164	2,457,589.5036
PI / PI	41+08.55 (BK) = 41+09.18 (AH)	14,039,786.1280	2,457,260.2720
POT	52+37.78	14,040,590.9000	2,456,469.0200

PROPOSED PEDESTRIAN BRIDGE BASELINE COORDINATE TABLE

	STATION	NORTH	EAST
PI	9+63.46	14,039,621.9347	2,457,331.2636
PI	10+47.02	14,039,681.5739	2,457,272.7327
PI	12+21.93	14,039,559.0738	2,457,147.8959
PI	12+77.93	14,039,599.0441	2,457,108.6738
PI	14+64.97	14,039,730.0493	2,457,242.1779

STATIONING REFERENCE TO ST CLAIR AVE.

COMPLETION DATE OF FIELD WORK PERFORMED	
LAND SURVEY:	ROW STAKING:

LIN ENGINEERING, LTD.
CONSULTING ENGINEERS
210 WEST CHESTNUT
CHATHAM, IL 62629
PROFESSIONAL DESIGN FIRM NO. 184-001181
PHONE: (217)-483-4168 FAX: (217)-483-4706

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP ROUTE 998
SECTION 82-1-HBR & 82-1-2HB
ST. CLAIR COUNTY
JOB NO. R-98-026-08
STATION 33+01.91 TO STATION 41+32.87

40' 0 40' 80'
SCALE: 1" = 40' SHEET 18 OF

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198

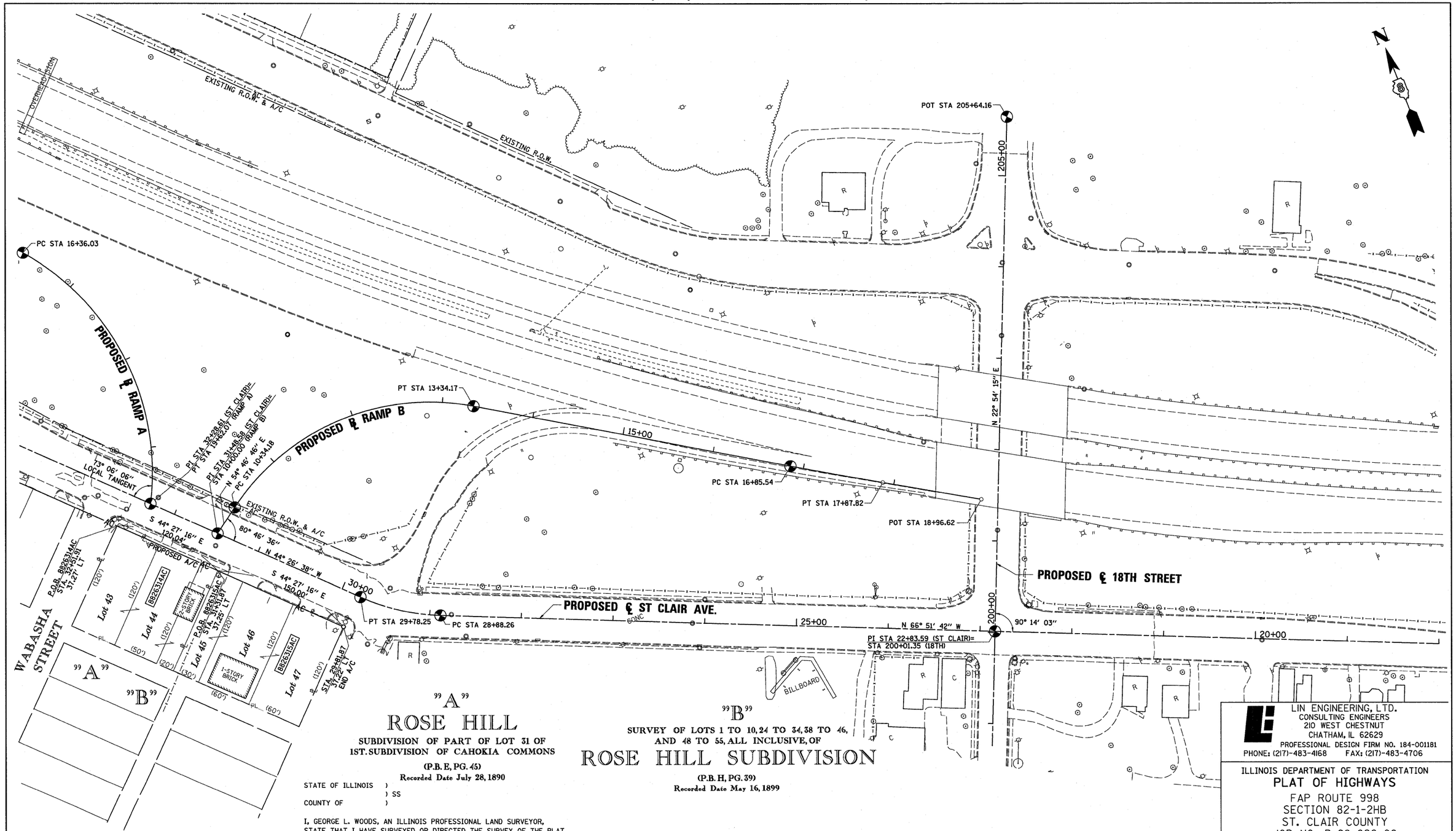
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
998	____________________	ST. CLAIR	____	18
		CONTRACT NO. _____		

FED. ROAD DIST. NO. _ | ILLINOIS | FED. AID PROJECT

127

PLOT DATE = 4/21/2009
FILE NAME = $FILEL$
PLOT SCALE = $SCALE$
USER NAME = $USER$

PART OF THE NE 1/4 OF SECTION 18, T2N, R9W OF THE 3RD PM, ST. CLAIR COUNTY, ILLINOIS



"A"
ROSE HILL
SUBDIVISION OF PART OF LOT 31 OF 1ST. SUBDIVISION OF CAHOKIA COMMONS

(P.B. E, PG. 45)

Recorded Date July 28, 1890

"B"
SURVEY OF LOTS 1 TO 10, 24 TO 34, 38 TO 46, AND 48 TO 55, ALL INCLUSIVE, OF

ROSE HILL SUBDIVISION

(P.B. H, PG. 39)

Recorded Date May 16, 1899

STATE OF ILLINOIS)
) SS
COUNTY OF)

I, GEORGE L. WOODS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED OR DIRECTED THE SURVEY OF THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED _____

_____
GEORGE L. WOODS, PLS NO. 3015
LICENSE EXPIRATION DATE: 11/30/2010

GEORGE L. WOODS 3015 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS CHATHAM, ILLINOIS

PARCEL NO.	OWNER	PERMANENT TAX NUMBER
8826314AC	TIJUAY, INC. TITLE REPORT NO. SC-5431.0	02-18-0-212-049 02-18-0-212-004
8826315AC	ARROW REALTY, INC. TITLE REPORT NO. SC-5429.0	02-18-0-212-042

STATION/OFFSETS REFERENCED TO CENTERLINE ST CLAIR AVE.

STATION	OFFSET	NORTH	EAST
29+81.87	37.22' LT	14,038,955.7730	2,458,022.6987
31+31.87	37.25' LT	14,039,062.8450	2,457,917.6473
32+51.91	37.27' LT	14,039,148.5280	2,457,833.5800

COMPLETION DATE OF FIELD WORK PERFORMED	
LAND SURVEY:	ROW STAKING:

LIN ENGINEERING, LTD.
CONSULTING ENGINEERS
210 WEST CHESTNUT
CHATHAM, IL 62629
PROFESSIONAL DESIGN FIRM NO. 184-001181
PHONE: (217)-483-4168 FAX: (217)-483-4706

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

FAP ROUTE 998
SECTION 82-1-2HB
ST. CLAIR COUNTY
JOB NO. R-98-026-08

STATION 29+81.87 TO STATION 32+51.91

50' 0 50' 100'
SCALE: 1" = 50' SHEET 19 OF

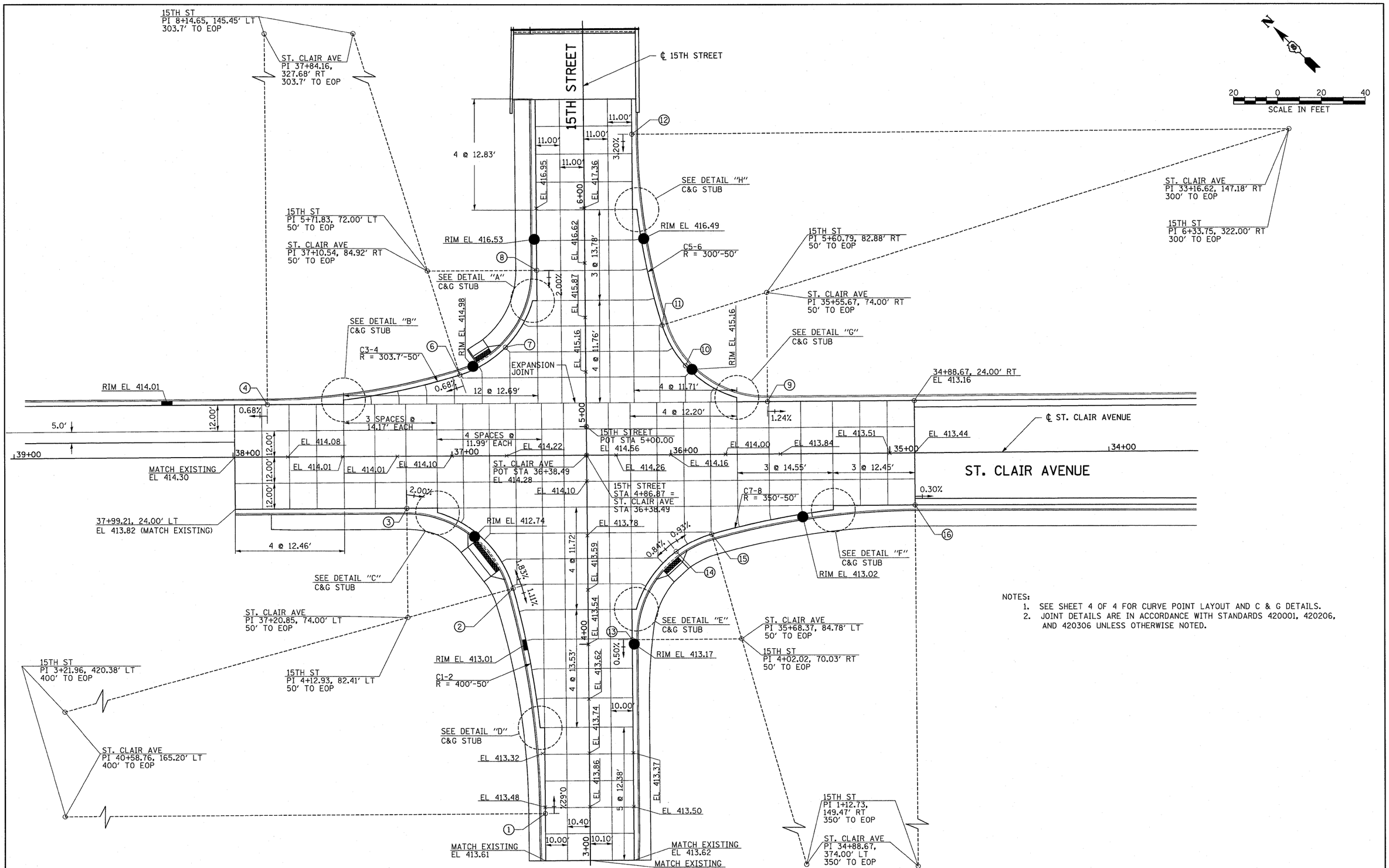
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
998	82-1-2HB	ST. CLAIR	____	19
		CONTRACT NO. _____		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 3/17/2009
FILE NAME = #FILE#
PLOT SCALE = #SCALE#
USER NAME = #USER#

ROUTE IL FAP ROUTE 998 CONSTRUCTION SECTION xxx ST. CLAIR COUNTY JOB # R-98-026-08

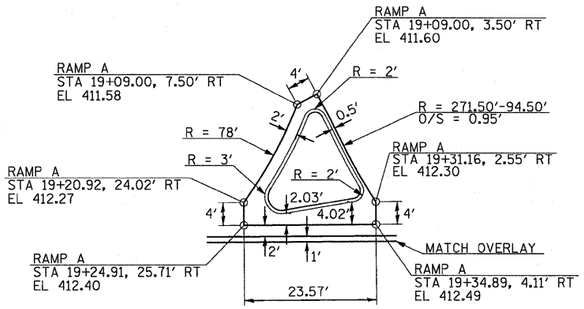
PART OF SEC. 18, T2N, R9W OF THE 3RD PM



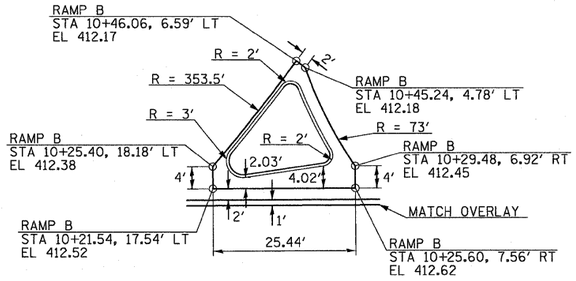
NOTES:

1. SEE SHEET 4 OF 4 FOR CURVE POINT LAYOUT AND C & G DETAILS.
2. JOINT DETAILS ARE IN ACCORDANCE WITH STANDARDS 420001, 420206, AND 420306 UNLESS OTHERWISE NOTED.

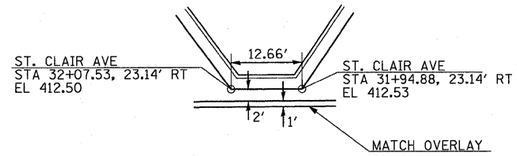
FILE NAME =	USER NAME = IDOT	DESIGNED - TTB	REVISED -	**STATE OF ILLINOIS**	**INTERSECTION DETAIL PLAN – 15TH STREET AND ST. CLAIR AVENUE**	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILEA		DRAWN - TTB	REVISED -	**DEPARTMENT OF TRANSPORTATION**		64	82-1-2HB	ST. CLAIR	345	129
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - JAH	REVISED -					CONTRACT NO. 76C49		
	PLOT DATE = 3/17/2010	DATE - 3/19/2010	REVISED -		SCALE: 1" = 20' SHEET NO. 1 OF 4 SHEETS STA. 34+00 TO STA. 39+00	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



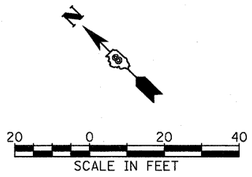
DETAIL "I"

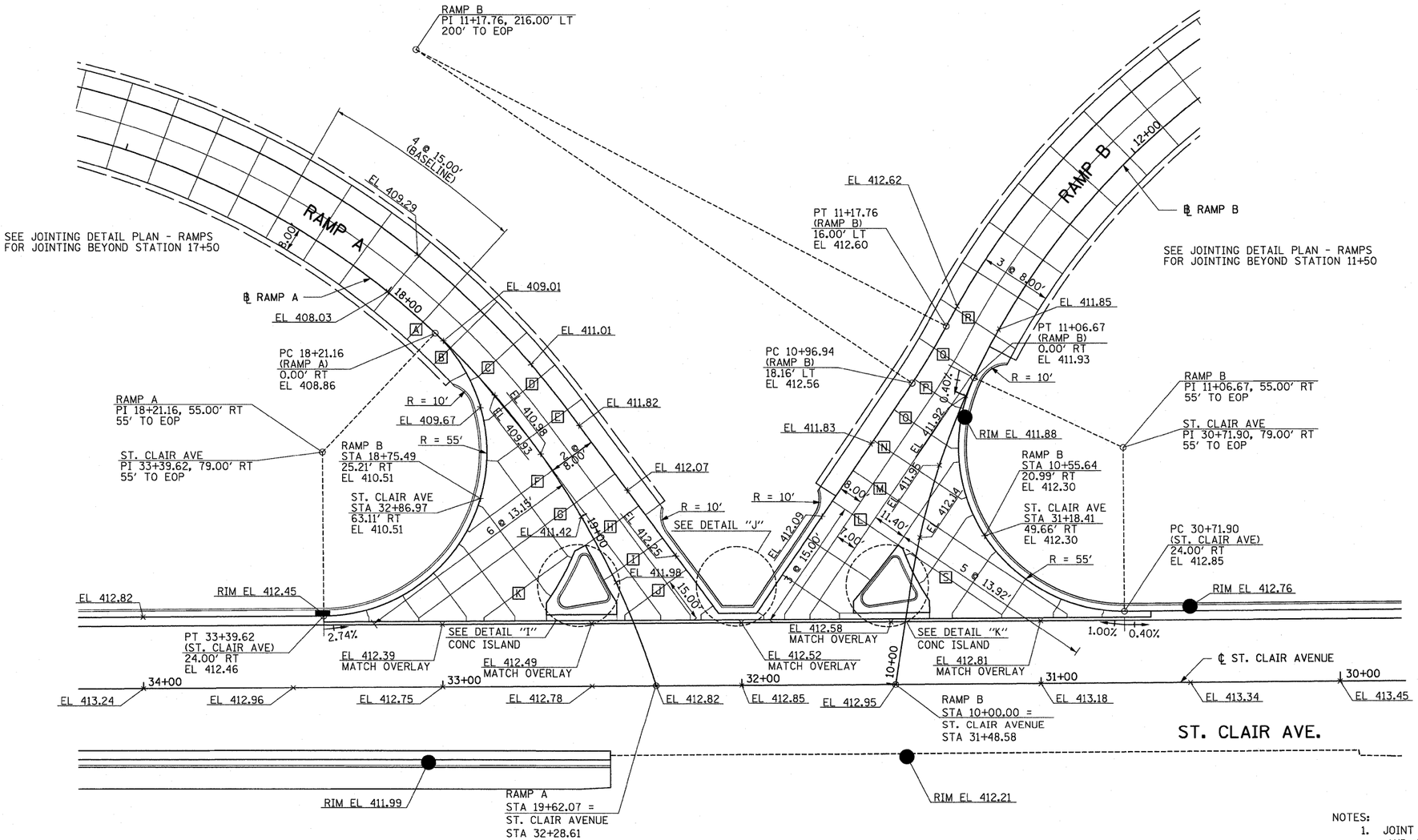


DETAIL "K"



DETAIL "J"





JOINT	RAMP A TRANSVERSE STATION/SPACING
A	18+15.61
B	18+28.29
C	18+41.64
D	18+54.99
E	18+68.34
F	18+81.69
G	18+95.07
H	19+08.50
I	19+22.03
J	19+35.69
K	19+07.93

JOINT	RAMP B TRANSVERSE STATION/SPACING
L	10+43.33
M	10+56.55
N	10+69.53
O	10+82.30
P	10+94.91
Q	11+07.41
R	11+22.52
S	10+43.24

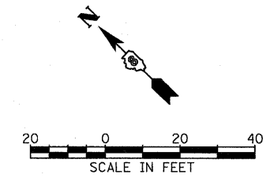
NOTES:
1. JOINT DETAILS ARE IN ACCORDANCE WITH STANDARDS 420001, 420206, AND 420306 UNLESS OTHERWISE NOTED.

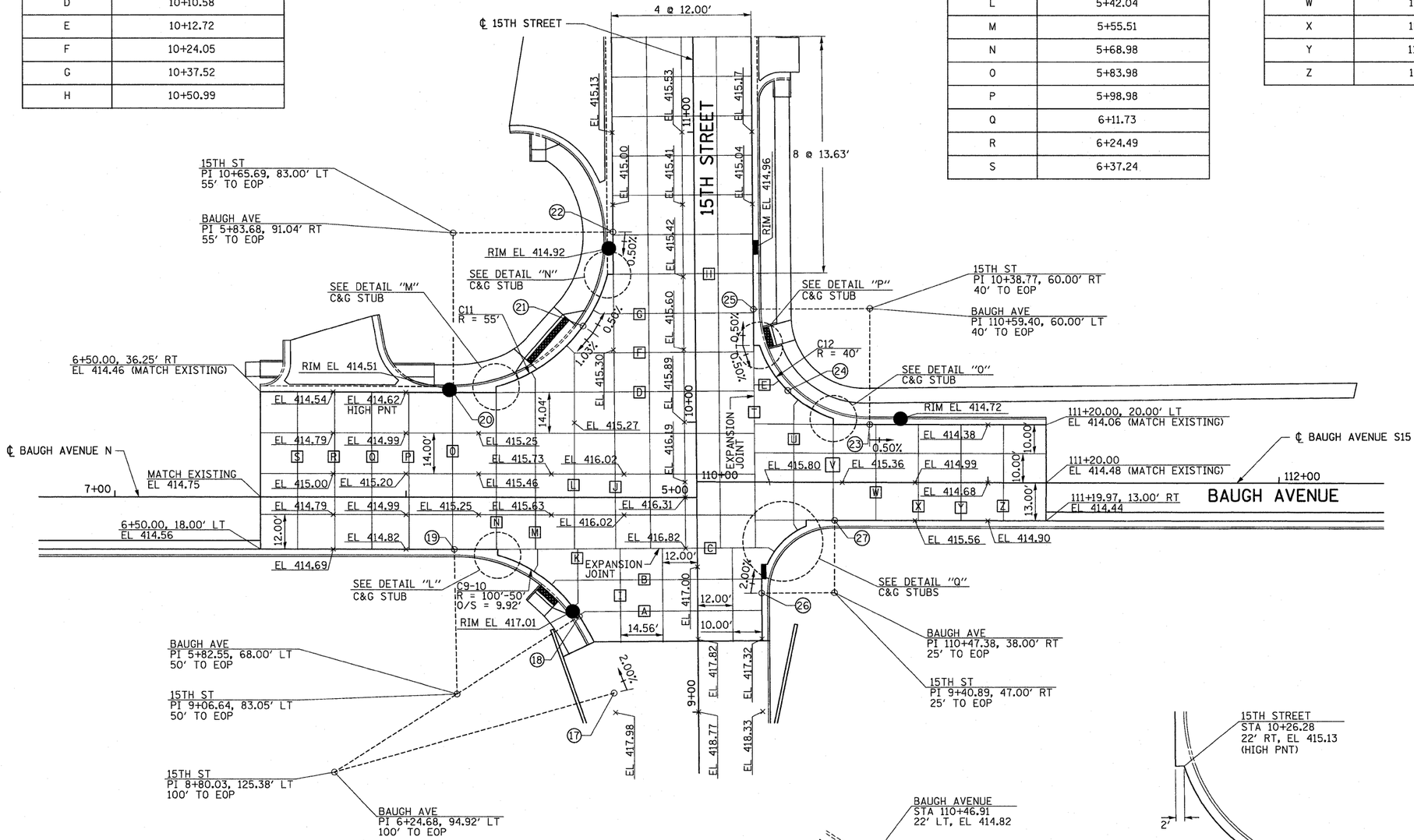
FILE NAME = $FILEA$	USER NAME = IDOT	DESIGNED - TTB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION DETAIL PLAN – RAMP A /RAMP B AND ST. CLAIR AVENUE			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TTB	REVISED -					64	82-1-2HB	ST. CLAIR	345	130
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - JAH	REVISED -							CONTRACT NO. 76C49		
	PLOT DATE = 3/17/2010	DATE - 3/19/2010	REVISED -		SCALE: 1" = 20'	SHEET NO. 2 OF 4 SHEETS	STA. 34+00 TO STA. 39+00	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

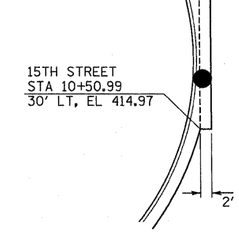
JOINT	15TH STREET TRANSVERSE STATION/SPACING
A	9+34.90
B	9+45.72
C	9+56.53
D	10+10.58
E	10+12.72
F	10+24.05
G	10+37.52
H	10+50.99

JOINT	BAUGH AVENUE N TRANSVERSE STATION/SPACING
I	5+26.42
J	5+28.00
K	5+40.98
L	5+42.04
M	5+55.51
N	5+68.98
O	5+83.98
P	5+98.98
Q	6+11.73
R	6+24.49
S	6+37.24

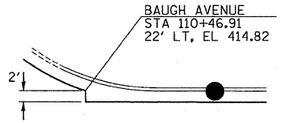
JOINT	BAUGH AVENUE S15 TRANSVERSE STATION/SPACING
T	110+19.96
U	110+33.31
V	110+46.86
W	110+61.48
X	110+76.10
Y	110+90.72
Z	111+05.38





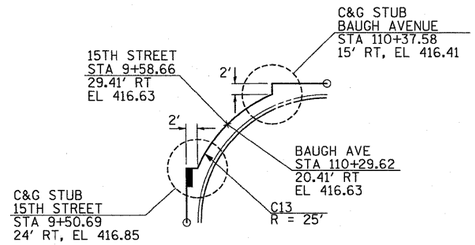


DETAIL "N"



DETAIL "O"

DETAIL "P"



DETAIL "Q"

NOTES:
1. SEE SHEET 4 OF 4 FOR CURVE POINT LAYOUT AND C & G DETAILS.
2. JOINT DETAILS ARE IN ACCORDANCE WITH STANDARDS 420001, 420206, AND 420306 UNLESS OTHERWISE NOTED.

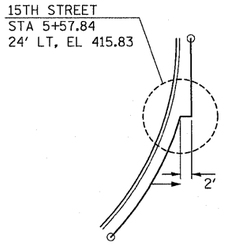
FILE NAME = *FILE#*	USER NAME = IDOT	DESIGNED - TTB	REVISED -
		DRAWN - TTB	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - JAH	REVISED -
	PLOT DATE = 3/17/2010	DATE - 3/19/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL PLAN – 15TH STREET AND BAUGH AVENUE

SCALE: 1" = 20' | SHEET NO. 3 OF 4 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	131
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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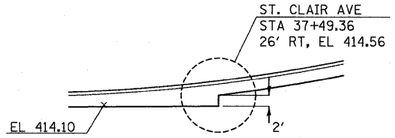

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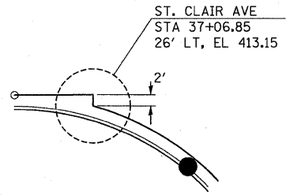

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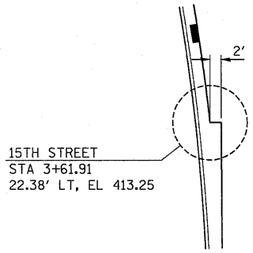

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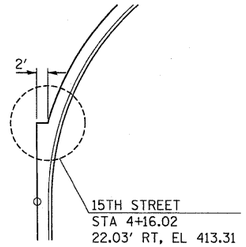

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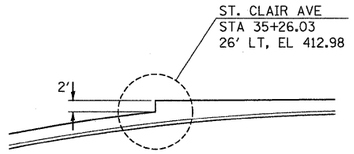

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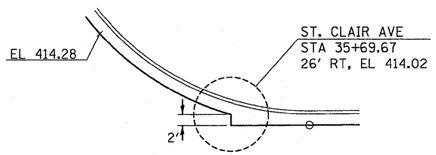

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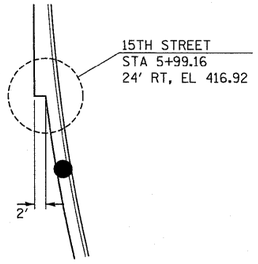

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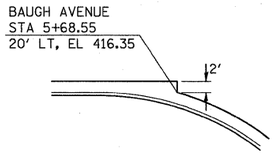

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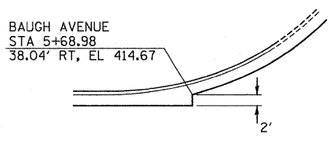


DETAIL "M"

	CURVE DESIGNATION	ROADWAY/ STATION	OFFSET	PAVEMENT ELEVATION
1	PT C1-2	3+21.96 (15TH STREET)	20.38' LT (15TH STREET)	413.50
2	PCC C1-2	4+25.92 (15TH STREET)/ 36+72.57 (ST. CLAIR AVE)	34.13' LT (15TH STREET)/ 60.97' LT (ST. CLAIR AVE)	413.30 (HIGH PNT)
3	PC C1-2	37+20.85 (ST. CLAIR AVE)	24.00' LT (ST. CLAIR AVE)	413.43
4	PT C3-4	37+84.16 (ST. CLAIR AVE)	24.00' RT (ST. CLAIR AVE)	414.32
6	PCC C3-4	36+96.03 (ST. CLAIR AVE)	37.07' RT (ST. CLAIR AVE)	414.93
7	N/A	5+36.52 (15TH STREET)/ 36+75.12 (ST. CLAIR AVE)	36.60' LT (15TH STREET)/ 49.63' RT (ST. CLAIR AVE)	415.33
8	PC C3-4	5+71.83 (15TH STREET)	22.00' LT (15TH STREET)	416.11
9	PC C5-6	35+55.67 (ST. CLAIR AVE)	24.00' RT (ST. CLAIR AVE)	413.99
10	N/A	5+27.51 (15TH STREET)/ 35+92.96 (ST. CLAIR AVE)	45.57' RT (15TH STREET)/ 40.69' RT (ST. CLAIR AVE)	415.22
11	PCC C5-6	5+46.20 (15TH STREET)	35.06' RT (15TH STREET)	415.66
12	PT C5-6	6+33.75 (15TH STREET)	22.00' RT (15TH STREET)	418.03
13	PC C7-8	4+02.02 (15TH STREET)	20.03' RT (15TH STREET)	413.19
14	N/A	4+42.37 (15TH STREET)/ 35+97.94 (ST. CLAIR AVE)	40.50' RT (15TH STREET)/ 44.46' LT (ST. CLAIR AVE)	413.58 (HIGH PNT)
15	PCC C7-8	35+81.66 (ST. CLAIR AVE)	36.58' LT (ST. CLAIR AVE)	413.41
16	PT C7-8	34+88.67 (ST. CLAIR AVE)	24.00' LT (ST. CLAIR AVE)	412.86
17	PC C9-10	9+06.70 (15TH STREET)	29.00' LT (15TH STREET)	417.64
18	PCC C9-10	9+33.25 (15TH STREET)/ 5+40.41 (BAUGH AVE)	40.72' LT (15TH STREET)/ 41.08' LT (BAUGH AVE)	417.06
19	PT C9-10	5+83.42 (BAUGH AVE)	18.00' RT (BAUGH AVE)	415.32
20	PC C11	5+83.68 (BAUGH AVE)	36.04' RT (BAUGH AVE)	414.52
21	N/A	10+33.29 (15TH STREET)/ 5+38.99 (ST. CLAIR AVE)	38.55' LT (15TH STREET)/ 58.98' RT (ST. CLAIR AVE)	415.06 (HIGH PNT)
22	PT C11	10+65.69 (15TH STREET)	28.00' LT (15TH STREET)	414.95
23	PC C12	110+59.40 (BAUGH AVE)	20.00' LT (BAUGH AVE)	414.76
24	N/A	10+10.63 (15TH STREET)/ 110+31.26 (BAUGH AVE)	31.57' RT (15TH STREET)/ 31.57' LT (BAUGH AVE)	414.92
25	PT C12	10+38.77 (15TH STREET)	20.00' RT (15TH STREET)	415.07
26	PC C13	9+40.89 (15TH STREET)	22.00' RT (15TH STREET)	417.00
27	PT C13	110+47.38 (BAUGH AVE)	13.00' RT (BAUGH AVE)	416.20

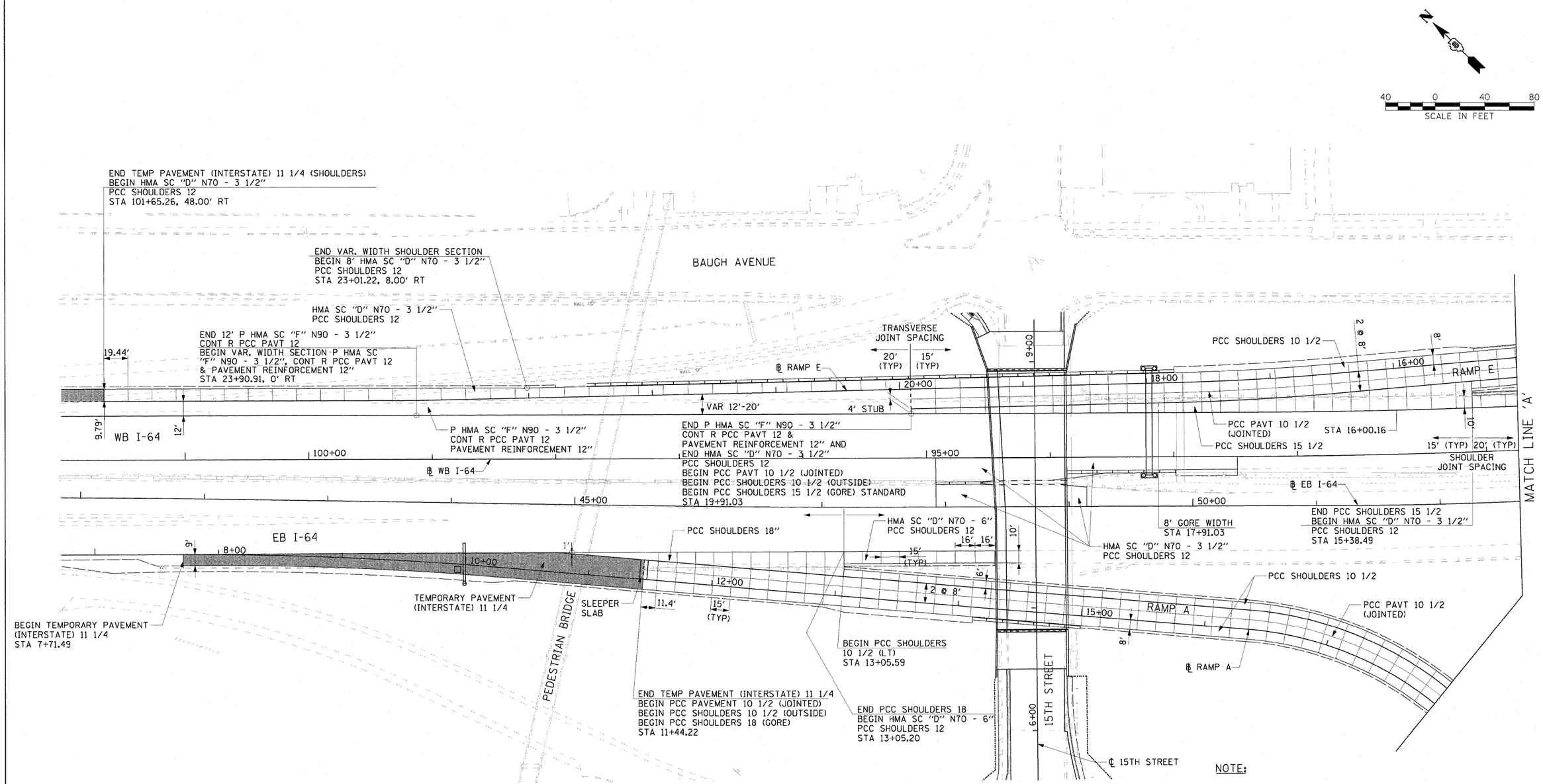
FILE NAME = *FILEA*	USER NAME = IDOT	DESIGNED - TTB	REVISED -
		DRAWN - TTB	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - JAH	REVISED -
	PLOT DATE = 3/18/2010	DATE - 3/19/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL PLAN

SCALE: NONE | SHEET NO. 4 OF 4 SHEETS | STA. 34+00 | TO STA. 39+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	349	132
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND:

TEMP PAVEMENT (INTERSTATE) 11 1/4

NOTE:

1. JOINT DETAILS ARE IN ACCORDANCE WITH STANDARDS 420001, 420206 AND 420306 UNLESS OTHERWISE NOTED.
2. TIE-IN SHALL BE SAW CUT WHERE PROPOSED PCC PAVEMENT OR SHOULDERS TIE TO EXISTING.
3. DRILL AND GROUT NO. 6 TIE BARS AT 24 INCH CENTERS WHERE TYING INTO EXISTING PAVEMENT. SAW AND SEAL LONGITUDINAL JOINT 1/4" WIDE AND 5/8" DEEP. SAWING AND SEALING IS INCLUDED IN THE COST OF PCC ITEMS AND WILL NOT BE MEASURED.
4. REINFORCEMENT FOR CRC PAVEMENT SHALL BE IN ACCORDANCE WITH STANDARD 421001.

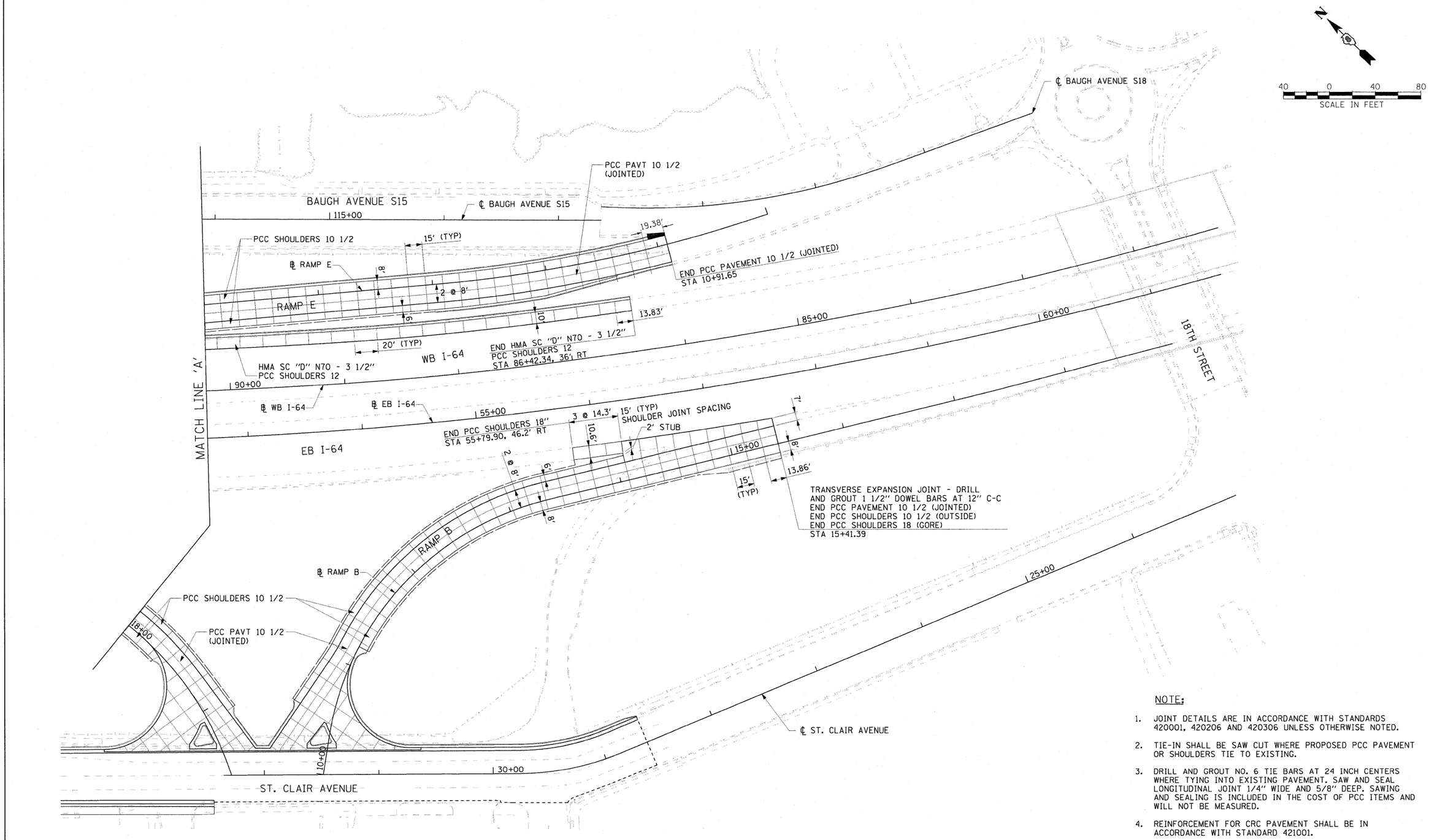
FILE NAME = $FILEA$	USER NAME = pmsarno	DESIGNED OP	REVISED	
		DRAWN PP	REVISED -	
	PLOT SCALE = 40.0000 ' / IN.	CHECKED DBM	REVISED -	
	PLOT DATE = 3/18/2010	DATE 03/19/10	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINTING AND PCC PAVEMENT DETAIL PLAN – RAMPS

SCALE: 1" = 40' | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA.

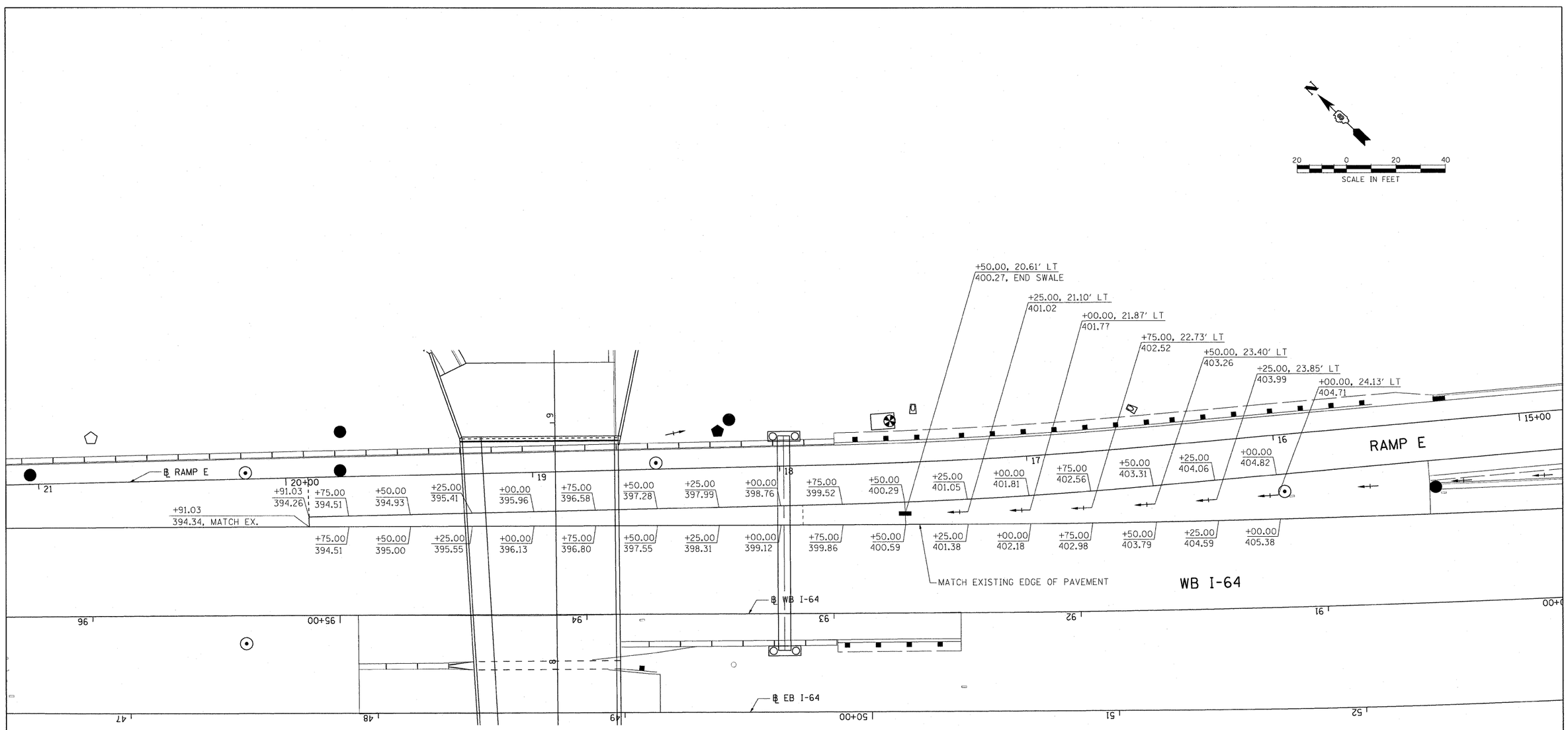
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	133
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTE:

1. JOINT DETAILS ARE IN ACCORDANCE WITH STANDARDS 420001, 420206 AND 420306 UNLESS OTHERWISE NOTED.
2. TIE-IN SHALL BE SAW CUT WHERE PROPOSED PCC PAVEMENT OR SHOULDERS TIE TO EXISTING.
3. DRILL AND GROUT NO. 6 TIE BARS AT 24 INCH CENTERS WHERE TYING INTO EXISTING PAVEMENT. SAW AND SEAL LONGITUDINAL JOINT 1/4" WIDE AND 5/8" DEEP. SAWING AND SEALING IS INCLUDED IN THE COST OF PCC ITEMS AND WILL NOT BE MEASURED.
4. REINFORCEMENT FOR CRC PAVEMENT SHALL BE IN ACCORDANCE WITH STANDARD 421001.

FILE NAME =	USER NAME = pimsarno	DESIGNED	OP	REVISED -	**STATE OF ILLINOIS**	**JOINTING AND PCC PAVEMENT DETAIL PLAN – RAMPS**	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
$FILEA$		DRAWN	PP	REVISED -	**DEPARTMENT OF TRANSPORTATION**		64	82-1-2HB	ST. CLAIR	345	134
	PLOT SCALE = 40.0000 ' / IN.	CHECKED	DBM	REVISED -					CONTRACT NO. 76C49		
	PLOT DATE = 3/18/2010	DATE	03/19/10	REVISED -		SCALE: 1" = 40' SHEET NO. 1 OF 2 SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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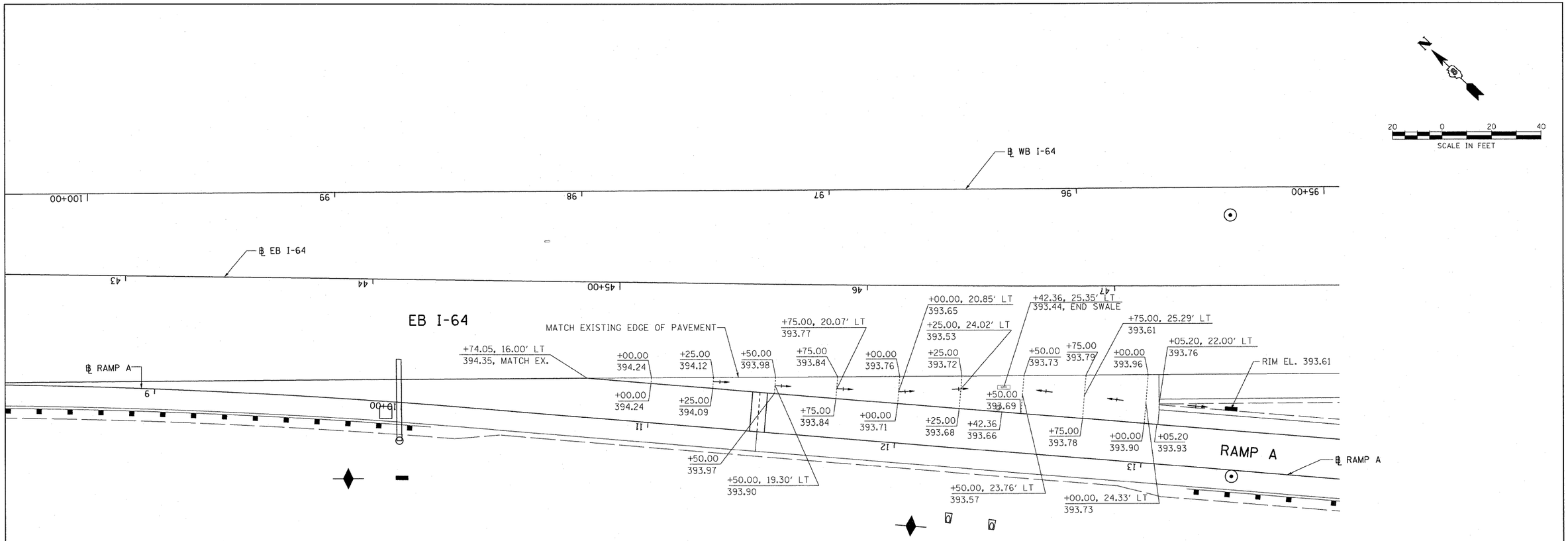
		DRAWN	ST	REVISED -			64	82-1-2HB	ST. CLAIR	345	135
	PLOT SCALE = 20.0000 ' / IN.	CHECKED	JAH	REVISED -					CONTRACT NO. 76C49		
	PLOT DATE = 3/19/2010	DATE	3/19/2010	REVISED -		SCALE: 1" = 20' SHEET NO. 1 OF 3 SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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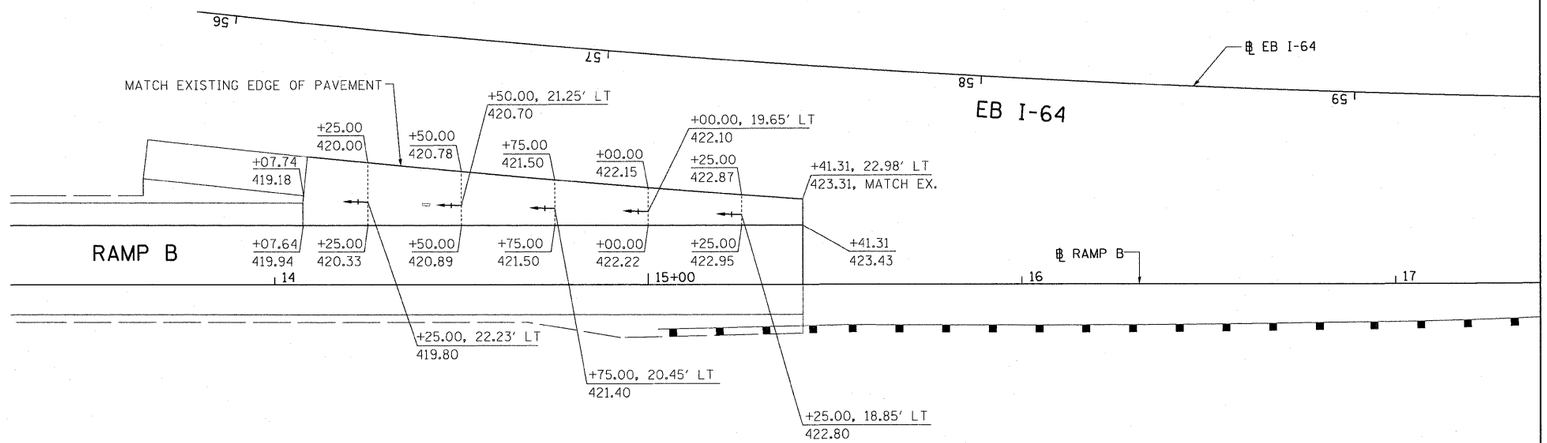
		DRAWN	ST	REVISED -					64	82-1-2HB	ST. CLAIR	345	136
	PLOT SCALE = 20.0000 ' / IN.	CHECKED	JAH	REVISED -							CONTRACT NO. 76C49		
	PLOT DATE = 3/19/2010	DATE	3/19/2010	REVISED -		SCALE: 1" = 20'	SHEET NO. 2 OF 3 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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		DRAWN	ST	REVISED -	
	PLOT SCALE = 20.0000 ' / IN.	CHECKED	JAH	REVISED -	
	PLOT DATE = 3/19/2010	DATE	3/19/2010	REVISED -	

GORE DETAIL – RAMP B

SCALE: 1" = 20' | SHEET NO. 3 OF 3 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	137
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

MATCH LINE SEE THIS SHEET

INLET (TYP)
10+00

RAMP A
10+11.76
31.39 RT

RAMP A

℄ RAMP A

RAMP A
13+53.65
24.43 RT

RAMP A
14+02.04
22.40 RT

RAMP A
12+09.33
33.00 RT

RAMP A
12+57.21
32.72 RT

RAMP A
13+22.88
29.05 RT

AGGREGATE DITCH CHECK (TYP)

FLARED END SECTION

15TH STREET

20 0 20 40
SCALE IN FEET

MATCH LINE SEE THIS SHEET

INLET (TYP)

RAMP A
7+40.87
32.79 RT

RAMP A
7+98.58
31.44 RT

RAMP A
8+61.37
29.74 RT

CATCH BASIN (TYP)

℄ ST. CLAIR AVENUE

ST. CLAIR AVENUE

KEY MAP
NOT TO SCALE

18TH STREET
BAUGH AVE
I-64
ST. CLAIR AVE
METROLINK
15TH STREET

NOTES:
1. SEE SHEET 2 OF 5 FOR EARTHWORK QUANTITIES.

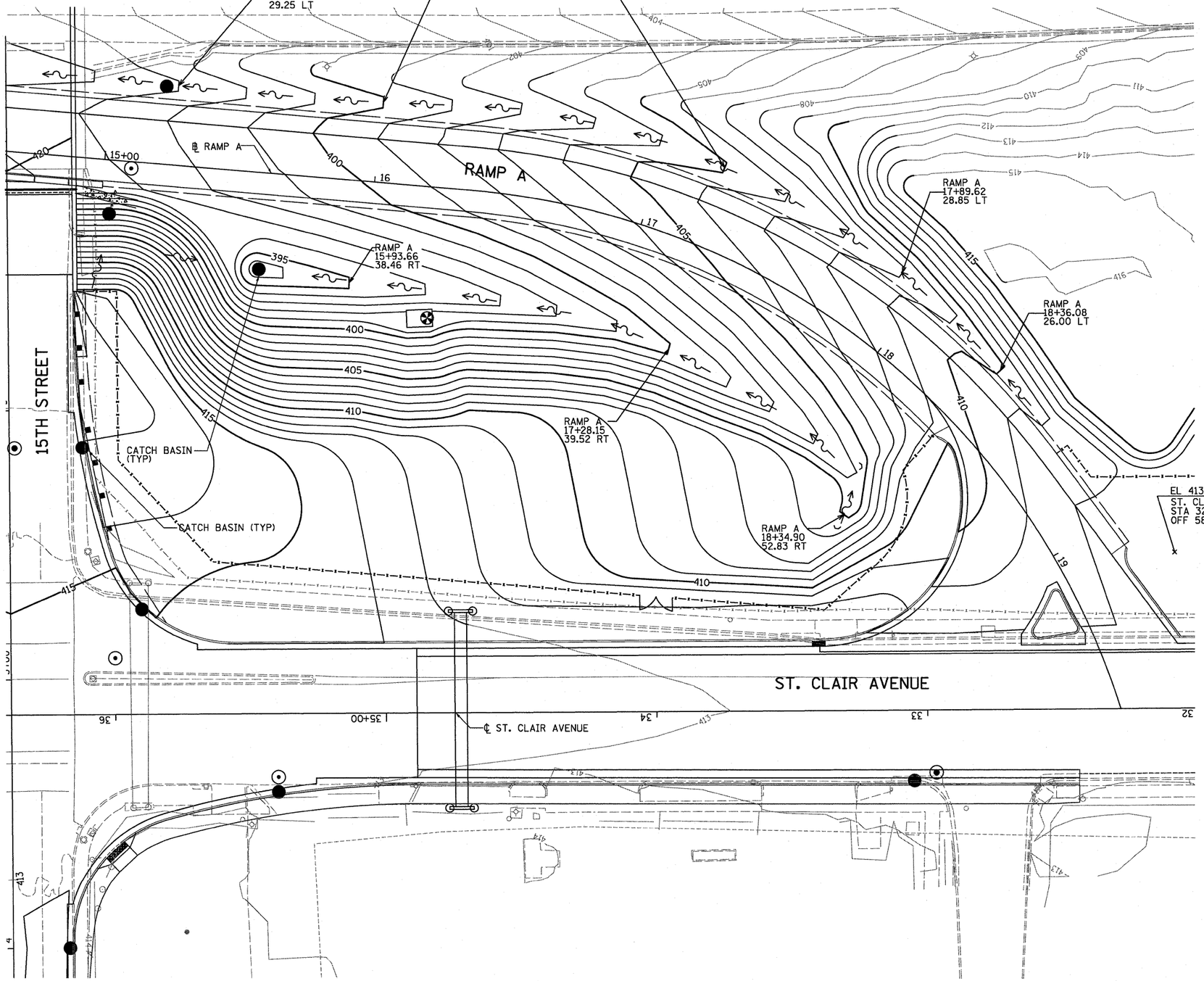
FILE NAME = *FILEA*	USER NAME = IDOT	DESIGNED - TTB	REVISED -
		DRAWN - ST	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - JAH	REVISED -
	PLOT DATE = 3/17/2010	DATE - 3/19/2010	REVISED -

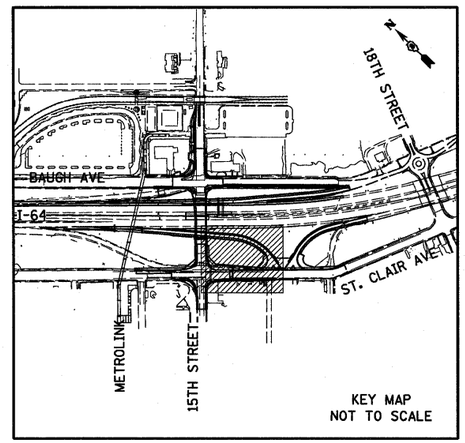
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INFIELD GRADING PLAN

SCALE: 1" = 20' | SHEET NO. 1 OF 5 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	138
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





EARTHWORK QUANTITIES

FROM STATION	TO STATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (NOTE 1)	EMBANKMENT (NOTE 2)	EARTHWORK BALANCE (NOTE 3)
		CU YD	CU YD	CU YD	CU YD
15TH STREET					
3+00.00	13+92.79	1930	1448	1705	-258
BAUGH AVENUE					
5+00.00	7+50.67	310	233	72	161
110+00.00	117+37.25	275	206	210	-4
ST. CLAIR AVENUE					
28+71.01	39+98.39	3164	2373	1887	486
WB I-64					
87+42.35	105+15.26	12018	9014	116	8898
RAMP A					
7+86.07	19+38.53	26434	19826	2784	17042
RAMP B					
10+22.38	15+41.39	3576	2682	504	2178
RAMP E					
10+91.00	16+00.16	3802	2852	7	2845
TOTAL		51509	38632	7285	31347

EARTHWORK NOTES:
1. ESTIMATED SHRINKAGE FACTOR = 25%
2. APPROXIMATE EMBANKMENT QUANTITIY IS SHOWN FOR INFORMATION ONLY.
3. APPROXIMATE EARTHWORK BALANCE IS SHOWN FOR INFORMATION ONLY.
4. APPROXIMATE EARTHWORK BALANCE IS SHOWN FOR INFORMATION ONLY.

N

20 0 20 40
SCALE IN FEET

FILE NAME = *FILEA*	USER NAME = IDOT	DESIGNED - TTB	REVISED -
		DRAWN - ST	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - JAH	REVISED -
	PLOT DATE = 3/17/2010	DATE - 3/19/2010	REVISED -

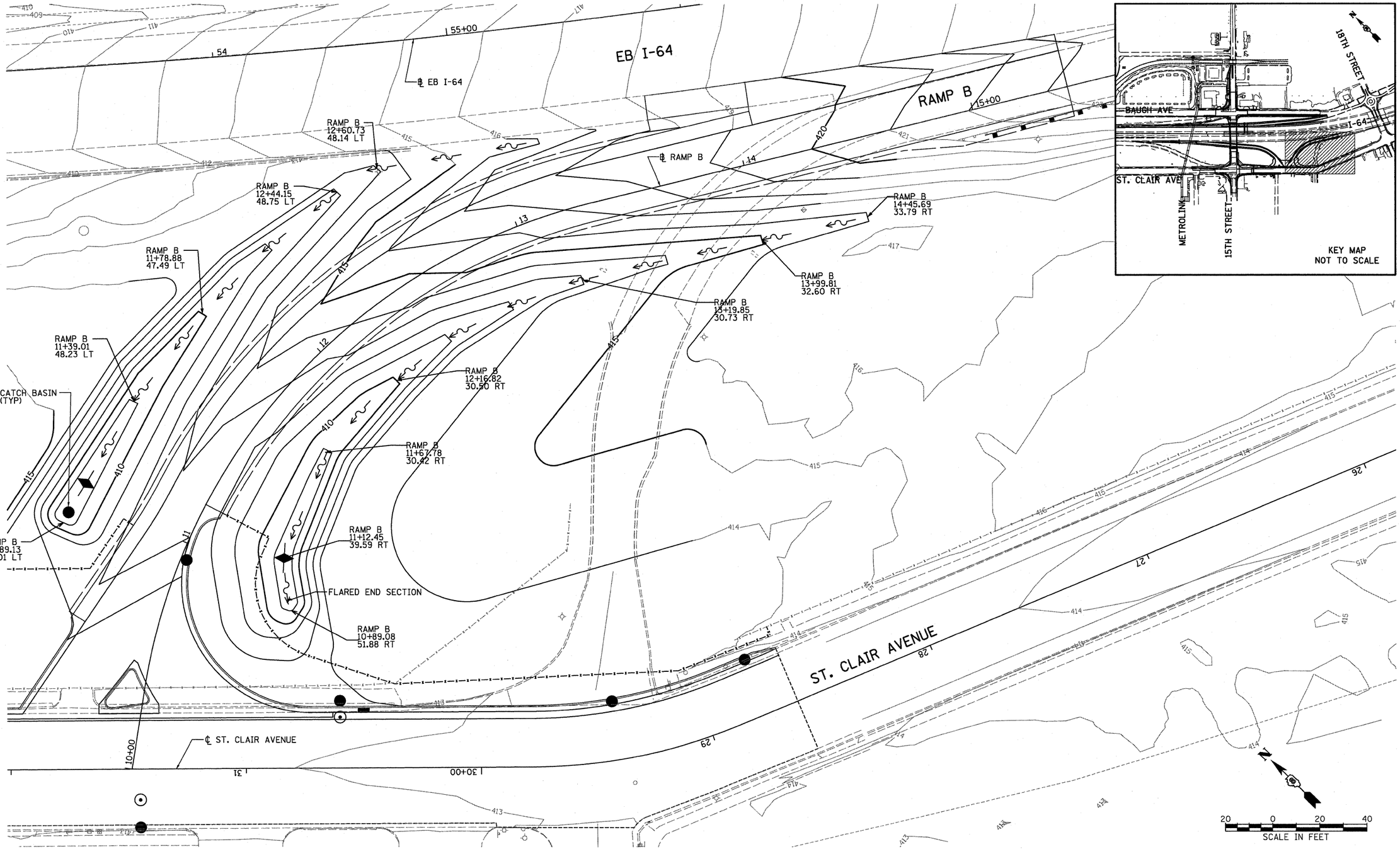
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INFIELD GRADING PLAN

SCALE: 1" = 20' | SHEET NO. 2 OF 5 SHEETS | STA. | TO STA.

Rev.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	139
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:
1. SEE SHEET 2 OF 5 FOR EARTHWORK QUANTITIES.

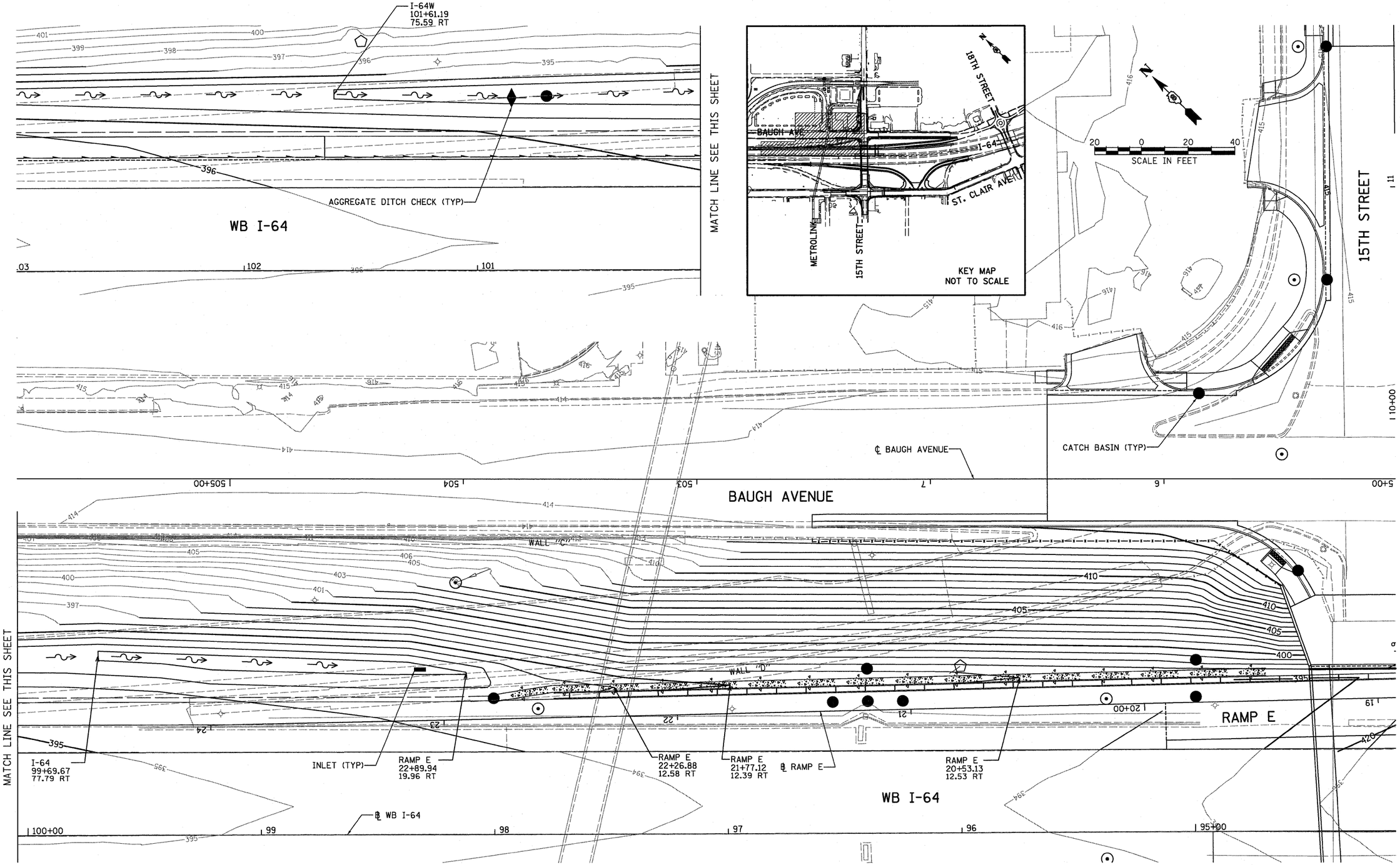
FILE NAME = ⊕FILEA⊕	USER NAME = IDOT	DESIGNED - TTB	REVISED -
		DRAWN - ST	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - JAH	REVISED -
	PLOT DATE = 3/17/2010	DATE - 3/19/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INFIELD GRADING PLAN

SCALE: 1" = 20' | SHEET NO. 3 OF 5 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	140
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:
1. SEE SHEET 2 OF 5 FOR EARTHWORK QUANTITIES.

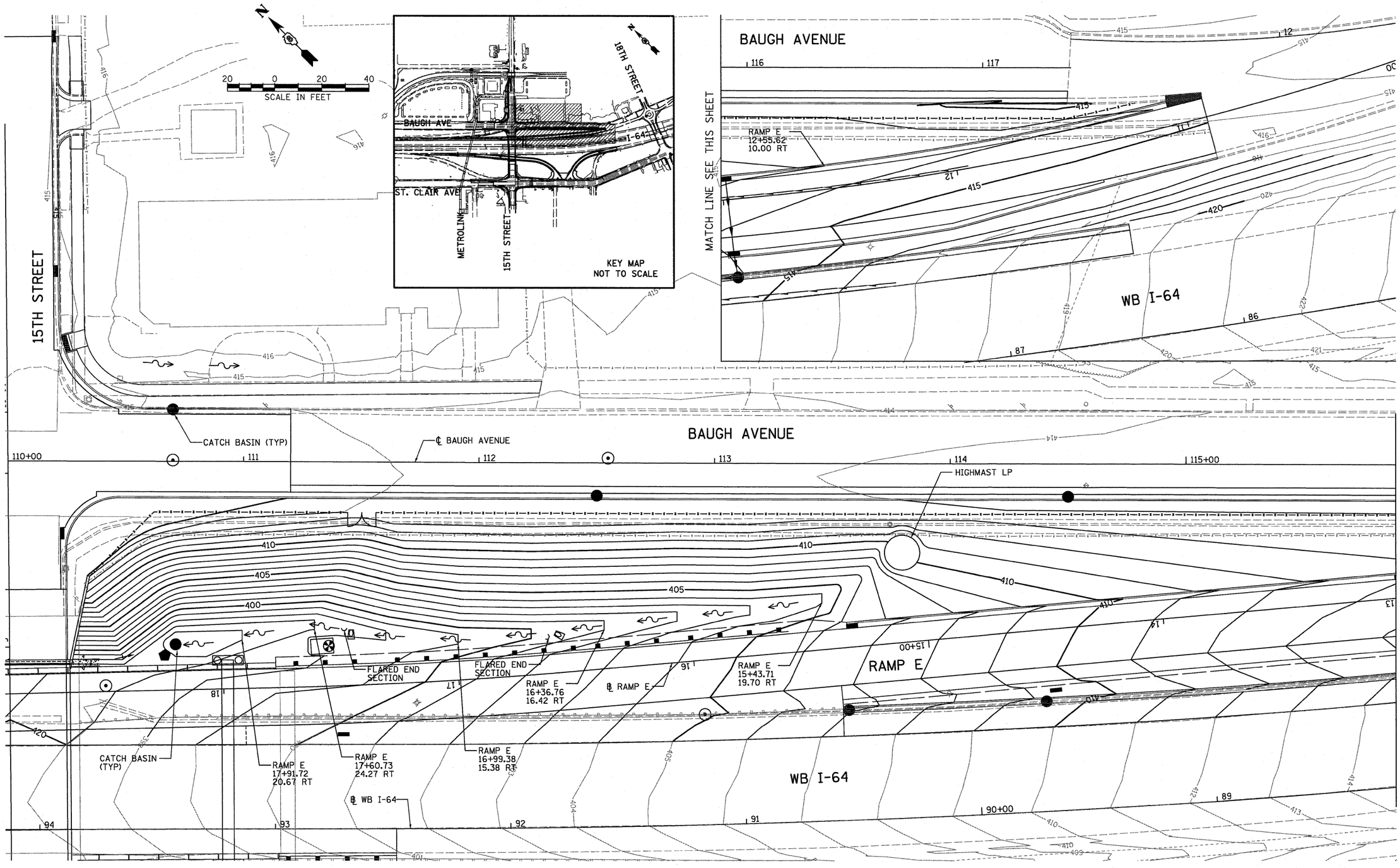
FILE NAME = *FILEA*	USER NAME = IDOT	DESIGNED - TTB	REVISED -
		DRAWN - ST	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - JAH	REVISED -
	PLOT DATE = 3/17/2010	DATE - 3/19/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INFIELD GRADING PLAN

SCALE: 1" = 20' | SHEET NO. 4 OF 5 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	141
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:
1. SEE SHEET 2 OF 5 FOR EARTHWORK QUANTITIES.

FILE NAME = $FILEA$	USER NAME = IDOT	DESIGNED - TTB	REVISED -
		DRAWN - ST	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - JAH	REVISED -
	PLOT DATE = 3/17/2010	DATE - 3/19/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INFIELD GRADING PLAN

SCALE: 1" = 20' | SHEET NO. 5 OF 5 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	142
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SIGNING REMOVAL SCHEDULE

LOCATION	OFFSET	REMOVE SIGN PANEL ASSEMBLY TYPE A (EA)	REMOVE SIGN PANEL ASSEMBLY TYPE B (EA)	REMOVE SIGN PANEL TYPE 1 (SQ FT)	REMOVE SIGN PANEL TYPE 2 (SQ FT)	REMOVE OVERHEAD SIGN STRUCTURE - SPAN (EA)	REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER (EA)	REMOVE OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED (EA)	REMOVE CONCRETE FOUNDATION - OVERHEAD (EA)
15TH STREET									
2+97.32	29' LT	1							
3+33.01	29' LT	1							
5+47.36	31' LT		1						
7+63.02	30' LT							1	
9+20.61	29' RT		1						
110+47.75	25' RT		1						
10+74.54	24' RT		1						
BAUGH AVE									
5+58.50	30' RT		2						
7+32.73	28' LT						1		1
502+80.69	37' RT	1							
504+16.37	32' RT	1							
509+34.87	23' RT	1							
510+25.00	32' RT								
515+16.86	64' RT			9					
514+38.86	35' LT		1						
111+03.62	28' LT	1							
111+32.91	26' LT	1							
114+31.12	25' LT	1							
ST CLAIR STREET									
29+11.79	27' RT		1						
29+38.63	38' LT	1							
29+93.11	29' LT		1						
32+57.00	38' LT		1						
33+12.36	27' RT		1						
33+13.68	30' LT	1							
35+91.10	LT/RT					1			4
36+96.94	16' RT		1						
37+23.99	15' RT	1							
37+22.99	49' RT	1							
38+55.65	27' LT	1							
39+30.58	36' LT		1						
39+40.14	45' LT	1							
39+53.95	24' RT	1							
43+03.08	44' LT		1						
43+42.32	36' LT	1							
RAMP A									
9+73.02	108' RT				16				
11+73.52	13' RT				16				
RAMP B									
13+73.79	8' LT	1							
RAMP E									
24+01.28	46' RT				20				
WESTBOUND 64									
92+42.60	15' LT			7					
92+95.00	LT/RT					1			4
EASTBOUND 64									
38+82.40	89' RT				20				
40+73.02	99' RT			7					
41+88.66	63' RT				14				
52+29.64	109' RT			7					
TOTAL		17	14	30	86	2	1	1	9

FILE NAME = $FILEL	USER NAME = default	DESIGNED - AGF	REVISED -
		DRAWN - AGF	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - MPW	REVISED -
	PLOT DATE = 3/17/2010	DATE - 3/19/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING SCHEDULES

SCALE: N/A | SHEET NO. 1 OF 3 SHEETS | STA. N/A | TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	143
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

3/17/2010 $TIME$
$FILE$

STRIPING SCHEDULE

LOCATION	TYPE	THERMOPLASTIC		PAINT				PREFORMED PLASTIC PAVEMENT MARKING TYPE B						PREFORMED PLASTIC PAVEMENT MARKING TYPE B - INLAID								RAISED REFLECTIVE PAVEMENT MARKERS			RAISED REFLECTIVE PAVEMENT MARKERS (BRIDGE) (EA)		GROOVING FOR RECESSED PAVEMENT MARKING 5" (FT)	GROOVING FOR RECESSED PAVEMENT MARKING 7" (FT)	GROOVING FOR RECESSED PAVEMENT MARKING 9" (FT)	GROOVING FOR RECESSED PAVEMENT MARKING 13" (FT)	GROOVING FOR RECESSED PAVEMENT MARKING LETTERS NUMBERS AND SYMBOLS (SQ FT)
		4" LINE		4" LINE		8" LINE	12" LINE	LETTERS & SYMBOLS (SQ FT)	4" LINE		6" LINE	8" LINE	12" LINE		LETTERS & SYMBOLS (SQ FT)	4" LINE		6" LINE	8" LINE	12" LINE		24" LINE				ONE WAY CRYSTAL (EA)	ONE WAY AMBER (EA)	TWO WAY AMBER (EA)	ONE WAY CRYSTAL (EA)	TWO WAY AMBER (EA)					
		WHITE (FT)	YELLOW (FT)	WHITE (FT)	YELLOW (FT)	WHITE (FT)	YELLOW (FT)		WHITE (FT)	YELLOW (FT)	WHITE (FT)	WHITE (FT)	WHITE (FT)	YELLOW (FT)		WHITE (FT)	YELLOW (FT)	WHITE (FT)	WHITE (FT)	WHITE (FT)	YELLOW (FT)	WHITE (FT)											
15TH STREET																																	
3+00.00 TO 4+41.81	CROSSWALK										152																			152			
	STOP BAR												23																		23		
5+41.32 TO 9+30.76																							3		4	5	5						
	STOP BAR												60																		60		
	SINGLE SOLID								250																			250					
	DOUBLE SOLID									760																		760					
	LETTERS AND SYMBOLS														63																		
10+25.44 TO 13+92.79																							9		6								
	CROSSWALK										127							102												127			
	STOP BAR												29																		29		
	WHITE BAR																					72											
	SKIP DASH									40						60	20											40					
	DIAGONAL													17							13										17		
	LETTERS AND SYMBOLS							63							123																	63	
	SINGLE SOLID								114	136							295											250					
	DOUBLE SOLID									238							320											238					
BAUGH AVENUE																																	
514+30.00 TO 5+48.00																							3		2								
	CROSSWALK								153																			153					
	STOP BAR												30																		30		
	SKIP DASH			330					30																			30					
	SINGLE SOLID			125		796			90																			90					
	DOUBLE SOLID				2312					180																		180					
	DIAGONAL						262																										
	LETTERS AND SYMBOLS							63																									63
110+36.38 TO 117+37.23																							6										
	STOP BAR												35																		35		
	SKIP DASH															30																	
	DIAGONAL												25							47											25		
	SINGLE SOLID											72				240			110											72			
	DOUBLE SOLID								288							108												288					
	LETTERS AND SYMBOLS							13							13																	13	
ST CLAIR STREET																																	
28+61.00 TO 36+03.32																							7		25								
	STOP BAR												37																		37		
	SKIP DASH																130																
	SINGLE SOLID								298							1032	509											298					
	DOUBLE SOLID									196							778											196					
	DIAGONAL																				53												
	LETTERS AND SYMBOLS							16							63																	16	
36+80.49 TO 39+88.39	CROSSWALK										168																		168				
RAMP A																							64	6									
	STOP BAR												41																		41		
	SINGLE SOLID								1200	727		492																1927		492			
	DIAGONAL												198																		198		
RAMP B																							17	6									
	SINGLE SOLID								915	560		252																1475		252			
	DIAGONAL												46																		46		
RAMP E																							44	3									
	SINGLE SOLID								1391	995		400																2386		400			
WESTBOUND 64	SINGLE SOLID	2630	2355																														
	SKIP DASH	1660																															
EASTBOUND 64	SINGLE SOLID	1755	1659																														
	SKIP DASH	923																															
TOTAL		10982		2767		796	262	155	8561		447	1216	541		262	3522		102	110	113		72	205			10		8561	447	1216	541	155	

FILE NAME = $FILEL	USER NAME = default	DESIGNED - AGF	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**PAVEMENT MARKING AND SIGNING SCHEDULES**
		DRAWN - AGF	REVISED -		
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - MPW	REVISED -		SCALE: N/A | SHEET NO. 2 OF 3 SHEETS | STA. N/A | TO STA. N/A
	PLOT DATE = 3/17/2010	DATE - 3/19/10	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	144
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

3/17/2010 $TIME$

$FILE$

SIGNING SCHEDULE

LOCATION	OFFSET	TYPE	SIZE (IN X IN)	SIGN PANEL TYPE 1 (SQ FT)	SIGN PANEL TYPE 2 (SQ FT)	RELOCATE SIGN PANEL TYPE 1 (SQ FT)	RELOCATE SIGN PANEL TYPE 2 (SQ FT)	TELESCOPING STEEL SIGN SUPPORT (LF)	DESCRIPTION
N 15TH STREET									
4+10.00	31' RT	R3-2	30 X 30	6.25				14	
5+75.00	31' RT	R3-1	30 X 30	6.25				14	
6+00.00	35' LT	M3-2	30 X 15	3.20				17	
		M1-1	36 X 36	9.00					
		M6-1L	30 X 18	3.75					
9+20.00	28' RT	M4-5	30 X 15	3.20				21	
		M1-1	36 X 36	9.00					
		M1-1	36 X 36	9.00					
		M6-1L	30 X 18	3.75					
9+40.00	26' RT	R3-1	30 X 30	6.25				14	
10+60.00	45' RT	M4-5	30 X 15	3.20				21	
		M1-1	36 X 36	9.00					
		M1-1	36 X 36	9.00					
		M6-1R	30 X 18	3.75					
		M4-5	30 X 15	3.20					
		M3-2	30 X 15	3.20					
		M1-1	36 X 36	9.00					
		M6-3	30 X 18	3.75					
12+75.00	28' RT	W11-2	36 X 36	9.00				15	
13+09.00	28' RT	W10-1	36 DIA	9.00				15	
ST CLAIR									
30+00.00	28' RT	M3-2	30 X 15	3.20				18	
		M1-1	36 X 36	9.00					
		M6-1R	30 X 18	3.75					
31+15.00	50' RT	R1-2	36 X 36	9.00				15	
32+15.00	50' RT	R1-1	36 X 36	9.00				15	
		R5-1	36 X 36	9.00					
32+50.00	37' RT	R1-1	36 X 36	9.00				15	
		R5-1	36 X 36	9.00					
32+50.00	37' RT	R3-1	30 X 30	6.25				14	
32+75.00	28' LT	M3-2	30 X 15	3.20				18	
		M1-1	36 X 36	9.00					
		M6-1L	30 X 18	3.75					
33+00.00	50' RT	R1-1	36 X 36	9.00				17	
		R5-1	36 X 36	9.00					
		R3-2	30 X 30	6.25					
37+20.00	28' RT	R5-1	36 X 36	9.00				15	
	35' LT	R5-1	36 X 36	9.00				15	
38+70.00	30' RT	R5-1A	36 X 24	6.00					
	30' LT	R5-1A	36 X 24	6.00					
BAUGH AVENUE									
5+80.00	21' RT	M4-5	30 X 15	3.20				19	
		M3-2	30 X 15	3.20					
		M1-1	36 X 36	9.00					
		M6-1R	30 X 18	3.75					
6+50.00	50' RT	W9-2	36 X 36	9.00				15	
110+75.00	16' LT	M4-5	30 X 15	3.20				19	
		M3-2	30 X 15	3.20					
		M1-1	36 X 36	9.00					
		M6-1L	30 X 18	3.75					
		R5-1	36 X 36	9.00					
	20' RT	R5-1A	36 X 24	6.00				15	
	27' LT	R5-1A	36 X 24	6.00				15	
113+00.00	27' RT	M4-5	30 X 15	3.20				22	
		M3-2	30 X 15	3.20					
		M1-1	36 X 36	9.00					
		M5-1L	30 X 18	3.75					
		M4-5	30 X 15	3.20					
		M1-1	36 X 36	9.00					
		M1-1	36 X 36	9.00					
		M6-3	30 X 18	3.75					
510+50.00	26' RT	R2-1	30 X 36	7.50				15	
RAMP A									
14+25.00	28' LT	N/A					20.00		EXIT 4 RIGHT (EXISTING)
15+30.00	10' RT	W3-3				9.00		15	SIGNAL AHEAD (EXISTING)
17+50.00	18' RT	R5-1A	36 X 24	6.00				14	
	34' LT	R5-1A	36 X 24	6.00				14	
	29' LT	M3-1	30 X 15	3.20				18	
		M1-1100	36 X 36	9.00					
		M6-1R	30 X 18	3.75					
RAMP B									
13+00.00	30' LT	W4-1R	36 X 36	9.00					
RAMP E									
14+00.00	27' LT	W4-3R	48 X 48		16.00				
16+00.00	17' RT	D10-4	54 X 18						
TOTAL				416	16	9	20	454	

TEMPORARY STRIPING SCHEDULE

LOCATION	TEMPORARY PAVEMENT MARKING (FT)			LETTERS & SYMBOLS (SQ FT)
	4" LINE		12" LINE	
	SOLID WHITE	SOLID YELLOW	SOLID WHITE	
BAUGH AVENUE				
36+80.49 TO 39+88.39	1005		64	32
15TH STREET				
3+00.00 TO 4+41.81		264		
TOTAL	1269		64	32

DELINEATOR SCHEDULE

LOCATION	DELINEATOR (EA)
RAMP A	11
RAMP B	6
RAMP E	10
TOTAL	27

DELINEATOR REMOVAL SCHEDULE

LOCATION	DELINEATOR REMOVAL (EA)
RAMP A	7
RAMP E	4
TOTAL	11

PRISMATIC CURB REFLECTOR SCHEDULE

LOCATION	PRISMATIC CURB REFLECTOR CRYSTAL (EA)	PRISMATIC CURB REFLECTOR AMBER (EA)
15TH ST		12
RAMP A	9	
RAMP B	9	
TOTAL	18	12

FILE NAME = #FILEL
USER NAME = default
PLOT SCALE = 20.0000 ' / IN.
PLOT DATE = 3/17/2010

DESIGNED - AGF
DRAWN - AGF
CHECKED - MPW
DATE - 3/19/10

REVISED -
REVISED -
REVISED -
REVISED -

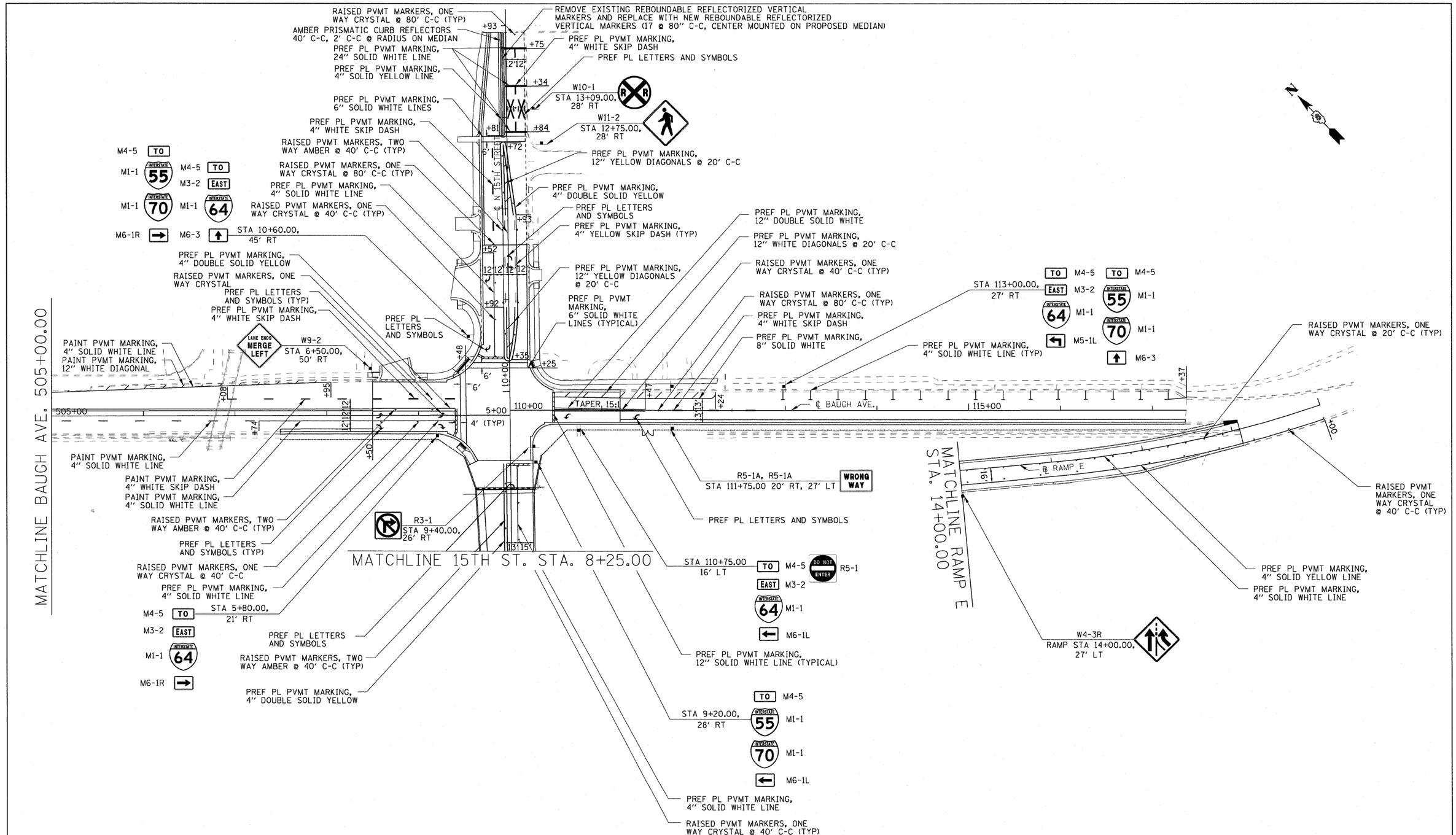
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING SCHEDULES

SCALE: N/A | SHEET NO. 3 OF 3 SHEETS | STA. N/A | TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	145
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

3/17/2010 $TIME$
$FILE$



NOTE: PREFORMED PLASTIC PAVEMENT MARKING IS TO BE "TYPE B INLAID" ON HMA SURFACES AND "TYPE B" WITH "GROOVING FOR RECESSED PAVEMENT MARKING" ON PCC SURFACES.

FILE NAME = $FILEL	USER NAME = default	DESIGNED - AGF	REVISED -
		DRAWN - AGF	REVISED -
	PLOT SCALE = 50.000 ' / IN.	CHECKED - MPW	REVISED -
	PLOT DATE = 3/17/2010	DATE - 3/19/10	REVISED -

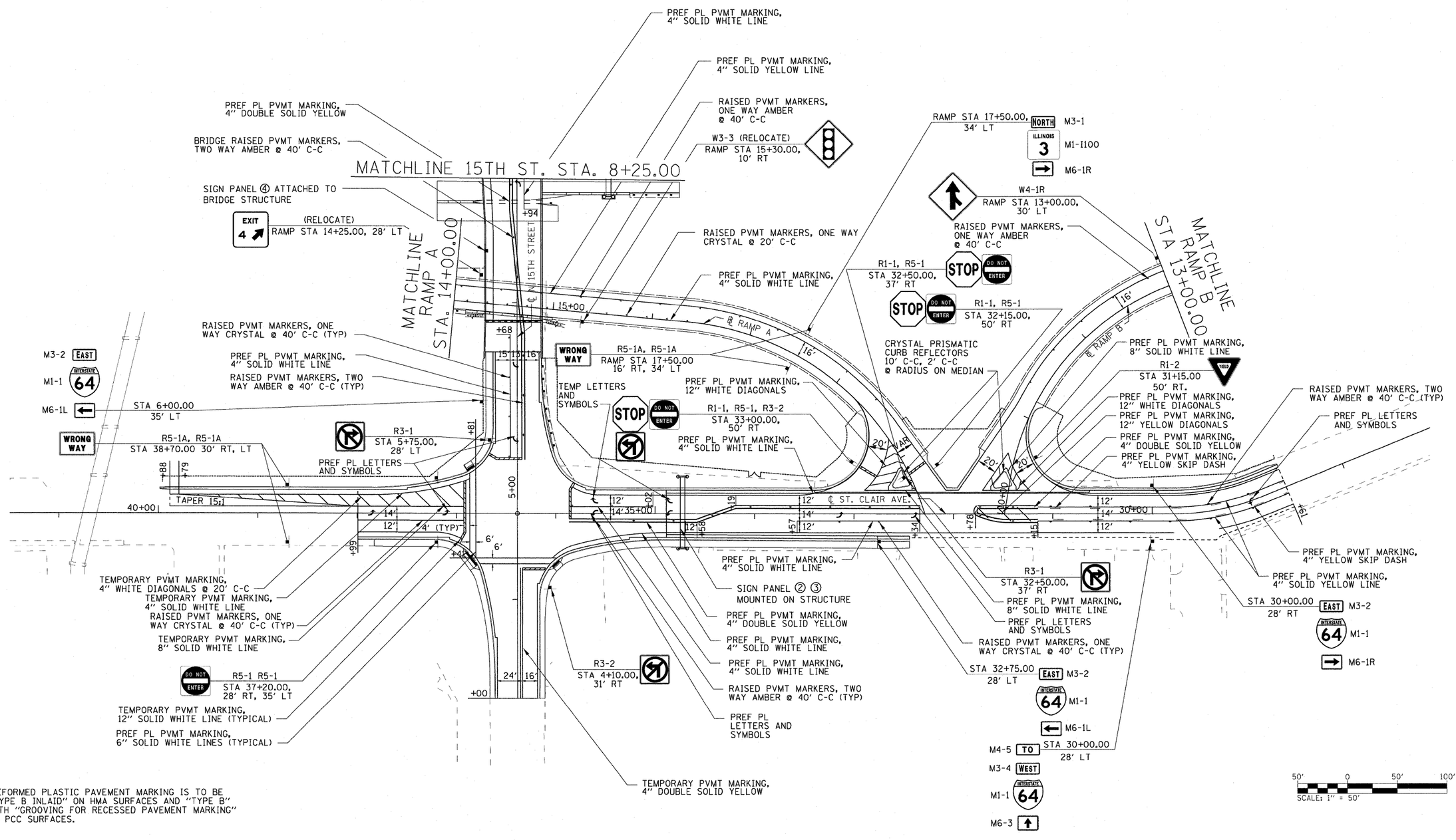
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

15TH STREET SIGNING AND PVMT MARKINGS

SCALE: 1" = 50' | SHEET NO. 1 OF 4 SHEETS | STA. N/A | TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	146
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

3/17/2010 $TIME$
$FILE$



NOTE: PREFORMED PLASTIC PAVEMENT MARKING IS TO BE "TYPE B INLAID" ON HMA SURFACES AND "TYPE B" WITH "GROOVING FOR RECESSED PAVEMENT MARKING" ON PCC SURFACES.

FILE NAME = $FILEL	USER NAME = default	DESIGNED - AGF	REVISED -
		DRAWN - AGF	REVISED -
	PLOT SCALE = 50.000 ' / IN.	CHECKED - MPW	REVISED -
	PLOT DATE = 3/17/2010	DATE - 3/19/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

15TH STREET SIGNING AND PVMT MARKINGS

SCALE: 1" = 50' | SHEET NO. 2 OF 4 SHEETS | STA. N/A | TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	147
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

3/17/2010
$TIME$
$FILE$

N

RAISED PVMT MARKERS, ONE WAY AMBER @ 40' C-C

RAISED PVMT MARKERS, ONE WAY CRYSTAL @ 20' C-C

PREF PL PVMT MARKING, 4" SOLID WHITE LINE

PREF PL PVMT MARKING, 4" SOLID YELLOW LINE

WEST BOUND I-64 MILE 3.4

D10-4
RAMP STA 16+00.00, 17' RT

MATCHLINE RAMP E
STA. 14+00.00

THERMOPLASTIC PVMT MARKING, 4" SOLID WHITE LINE

THERMOPLASTIC PVMT MARKING, 4" WHITE SKIP DASH (TYP)

THERMOPLASTIC PVMT MARKING, 4" SOLID YELLOW LINE

PREF PL PVMT MARKING, 8" SOLID WHITE LINE

MATCHLINE 64W
STA. 98+00.00

95+00

45+00

+12

+12

+45

10+00

SEE SHEETS 146 AND 147 FOR 15TH STREET STRUCTURE

WEST BOUND I-64

90+00

50+00

55+00

EAST BOUND I-64

85+00

60+00

+10

+69

+41

PREF PL PVMT MARKING, 8" SOLID WHITE LINE

PREF PL PVMT MARKING, 12" SOLID WHITE DIAGONAL @ 30' C-C

RAISED PVMT MARKERS, ONE WAY CRYSTAL @ 20' C-C

PREF PL PVMT MARKING, 4" SOLID WHITE LINE

RAISED PVMT MARKERS, ONE WAY CRYSTAL @ 40' C-C

PREF PL PVMT MARKING, 4" SOLID YELLOW LINE

MATCHLINE RAMP A
STA. 14+00.00

℄ 15TH STREET

5+00

SIGN PANELS ⑤ ⑥ ATTACHED TO PROPOSED STRUCTURE 8S082164L003.4

THERMOPLASTIC PVMT MARKING, 4" SOLID YELLOW LINE

THERMOPLASTIC PVMT MARKING, 4" WHITE SKIP DASH (TYP)

THERMOPLASTIC PVMT MARKING, 4" SOLID WHITE LINE

MATCHLINE RAMP B
STA 13+00.00

RAISED PVMT MARKERS, ONE WAY AMBER @ 40' C-C

RAISED PVMT MARKERS, ONE WAY CRYSTAL @ 20' C-C

PREF PL PVMT MARKING, 4" SOLID WHITE LINE

PREF PL PVMT MARKING, 4" SOLID YELLOW LINE

PREF PL PVMT MARKING, 8" SOLID WHITE LINE

50' 0 50' 100'
SCALE: 1" = 50'

NOTE: PREFORMED PLASTIC PAVEMENT MARKING IS TO BE "TYPE B INLAID" ON HMA SURFACES AND "TYPE B" WITH "GROOVING FOR RECESSED PAVEMENT MARKING" ON PCC SURFACES.

3/17/2010
$TIME$
$FILE$

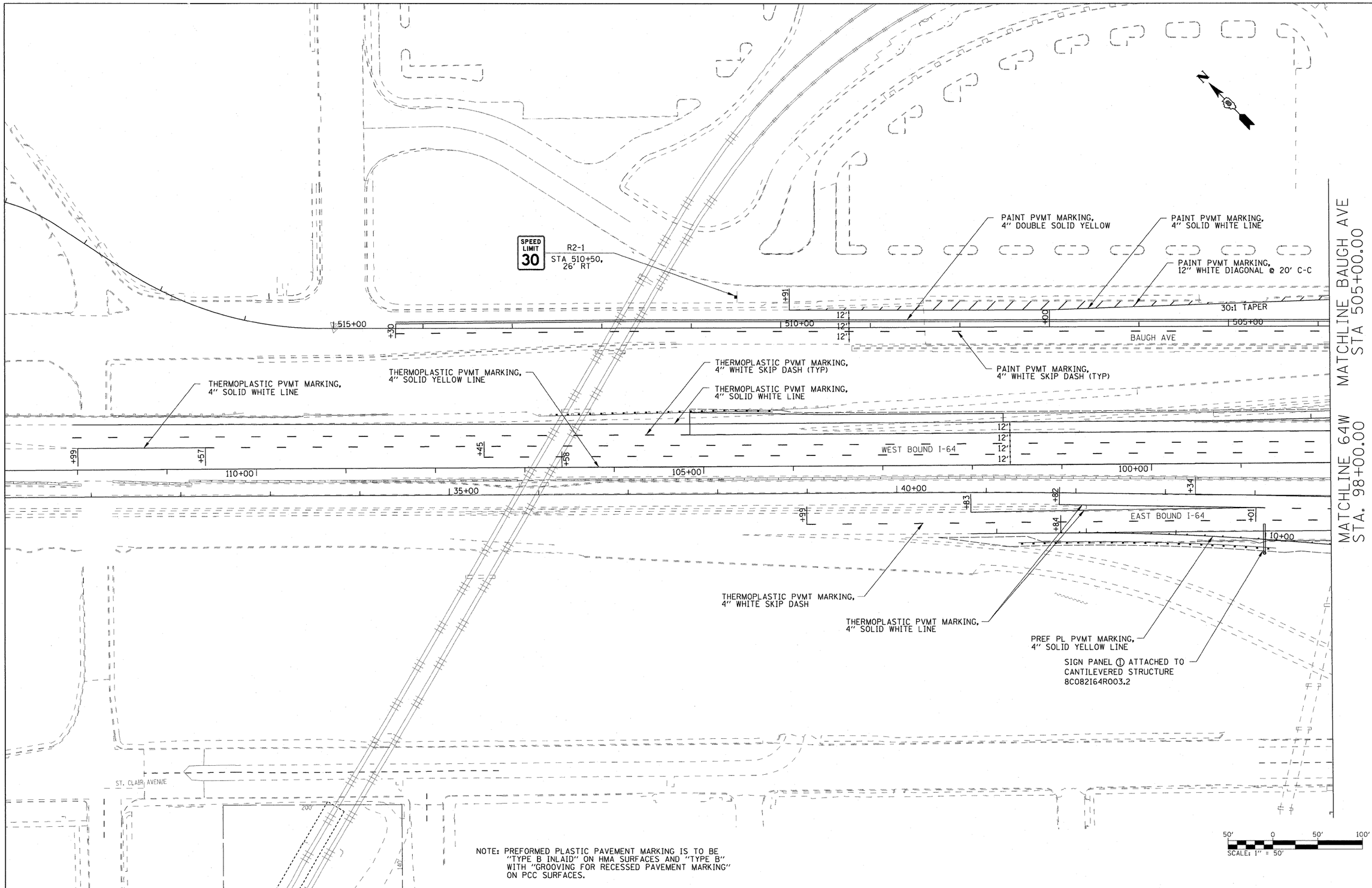
FILE NAME = $FILE$	USER NAME = default	DESIGNED - AGF	REVISED -
		DRAWN - AGF	REVISED -
	PLOT SCALE = 50.000 ' / IN.	CHECKED - MPW	REVISED -
	PLOT DATE = 3/17/2010	DATE - 3/19/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

15TH STREET SIGNING AND PVMT MARKINGS

SCALE: 1" = 50' | SHEET NO. 3 OF 4 SHEETS | STA. N/A | TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	148
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTE: PREFORMED PLASTIC PAVEMENT MARKING IS TO BE "TYPE B INLAID" ON HMA SURFACES AND "TYPE B" WITH "GROOVING FOR RECESSED PAVEMENT MARKING" ON PCC SURFACES.

FILE NAME = $FILEL	USER NAME = default	DESIGNED - AGF	REVISED -
		DRAWN - AGF	REVISED -
	PLOT SCALE = 50.000 ' / IN.	CHECKED - MPW	REVISED -
	PLOT DATE = 3/17/2010	DATE - 3/19/10	REVISED -

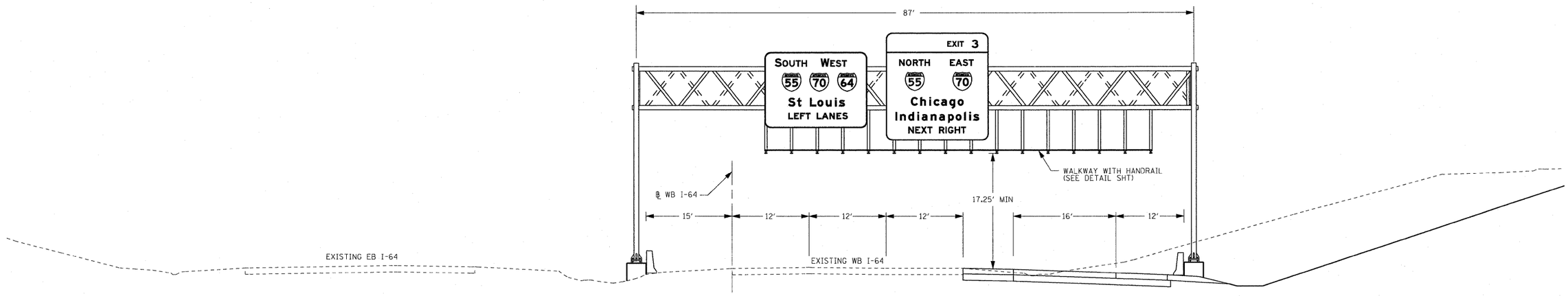
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

15TH STREET SIGNING AND PVMT MARKINGS

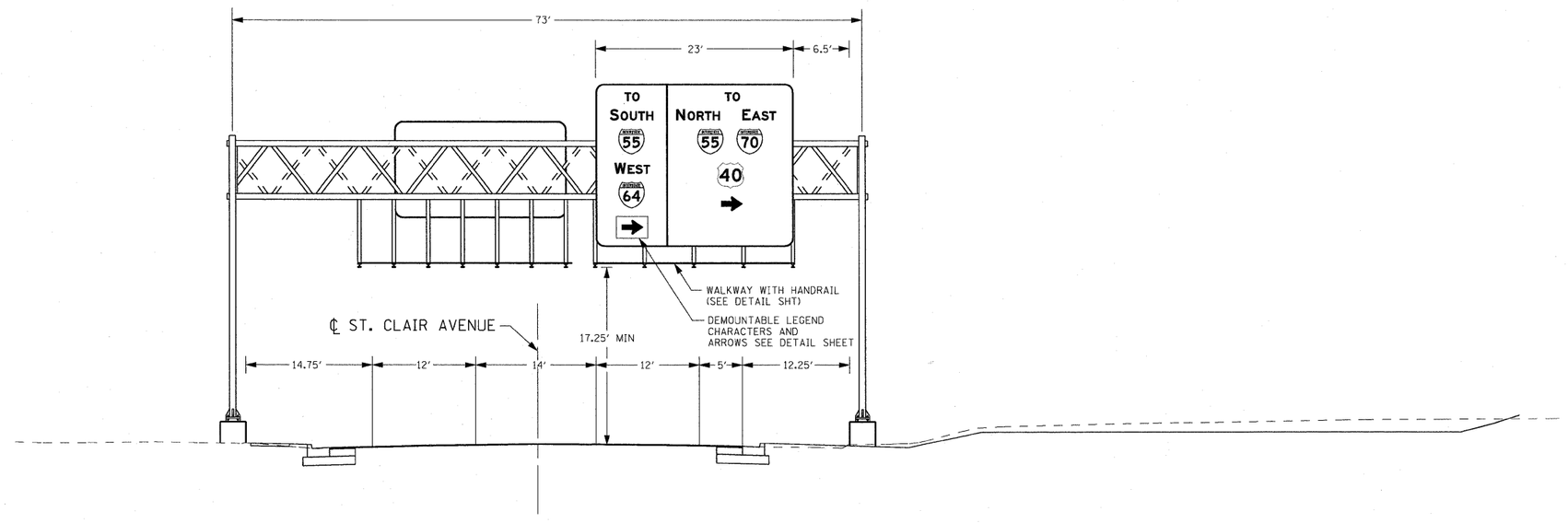
SCALE: 1" = 50' | SHEET NO. 4 OF 4 SHEETS | STA. N/A | TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	149
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

3/17/2010 $TIME$
$FILE$



WB I-64 STA 93+20.00
STR 8S082I64L003.4

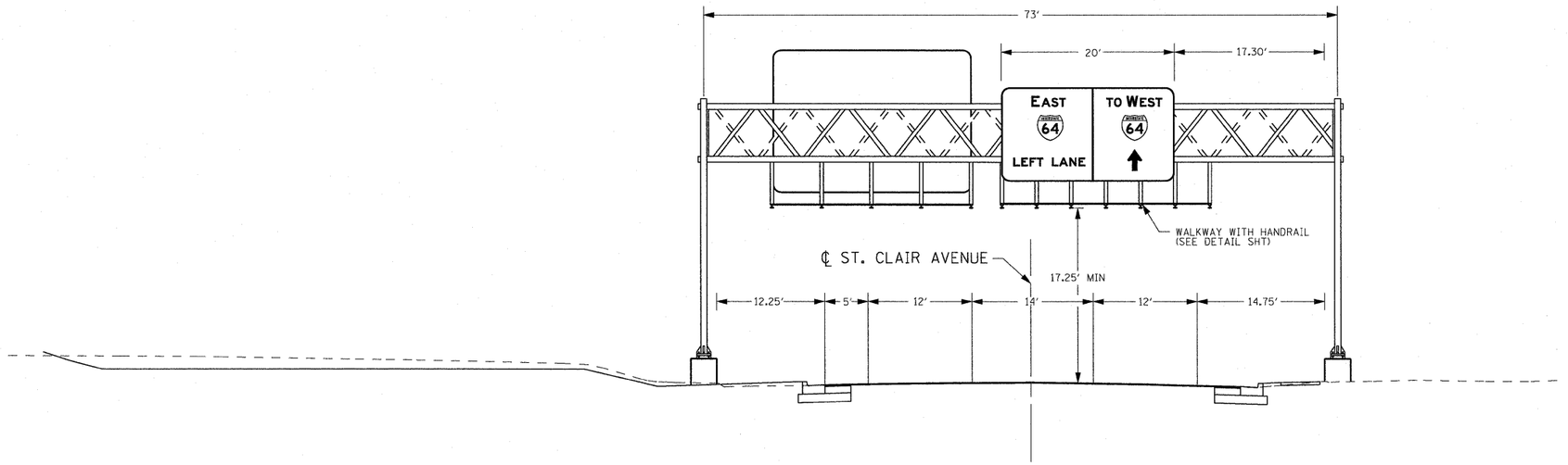


ST CLAIR ST STA 34+75.00 (LOOKING WEST)
ST CLAIR ST STRUCTURE

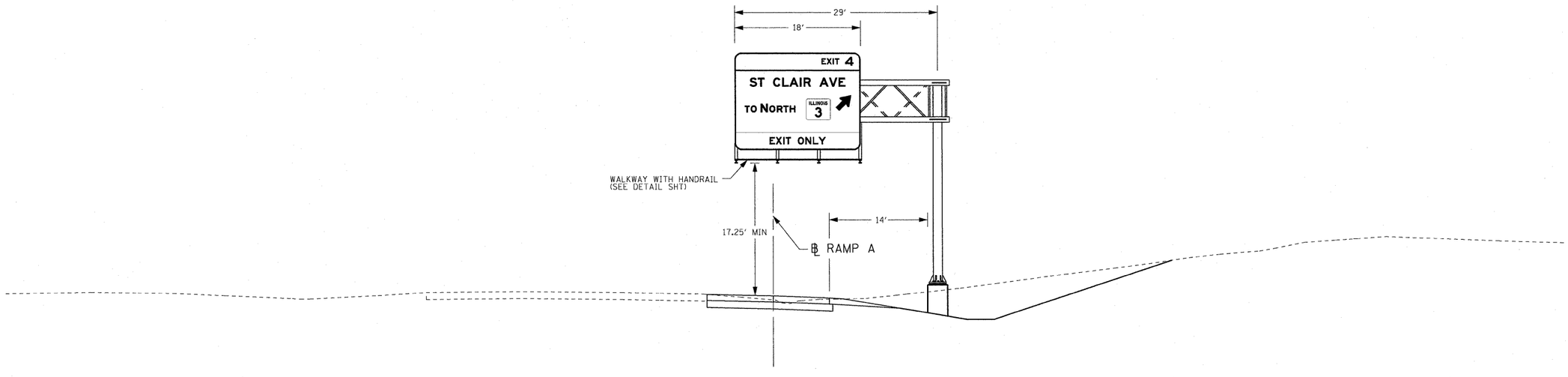
FILE NAME = $FILEL	USER NAME = default	DESIGNED - AGF	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**OVERHEAD SIGN STRUCTURES SIGN PANEL PLACEMENT**
		DRAWN - AGF	REVISED -		
	PLOT SCALE = 8.0000 ' / IN.	CHECKED - MPW	REVISED -		
	PLOT DATE = 3/17/2010	DATE - 3/19/10	REVISED -		SCALE: N/A SHEET NO. 1 OF 2 SHEETS STA. N/A TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	150
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

3/17/2010
$TIME$
$FILE$



ST CLAIR ST STA 34+75.00 (LOOKING EAST)
ST CLAIR ST STRUCTURE



RAMP A STA 10+00.00
STR. 8C082I64R003.2

FILE NAME = #FILEL	USER NAME = default	DESIGNED - AGF	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**OVERHEAD SIGN STRUCTURES SIGN PANEL PLACEMENT**				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - AGF	REVISED -						64	82-1-2HB	ST. CLAIR	345	151
	PLOT SCALE = 8.0000 ' / IN.	CHECKED - MPW	REVISED -								CONTRACT NO. 76C49		
	PLOT DATE = 3/17/2010	DATE - 3/19/10	REVISED -		SCALE: N/A	SHEET NO. 2 OF 2 SHEETS	STA. N/A	TO STA. N/A	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

3/17/2010
$TIME$
$FILE$

BORDER
R=12"
TH=2"

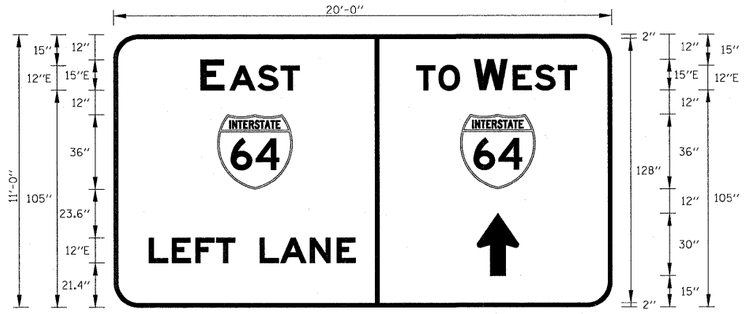
SIGN NUMBER	Right Exit – Overhead
WIDTH x HGHT.	18'–0" x 14'–0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Retro-Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black/Red/White

SYMBOL	ROT	X	Y	WID	HT
ARUP	315	173.5	66.3	22.2	33.4
M1-1100A-2-22-10D	0	120	53	39.3	36

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																							LENGTH	SERIES/SIZE
E	X	I	T	3	C																			E 2000
135	143.9	154.6	158.1	175.6	190.3																		67.5	10,15
S	T		C	L	A	I	R		A	V	E													E 2000
26	39.8	51.1	66.1	81.7	94.1	112	118.6	130.7	145.7	162.2	178.6												163.8	15
T	O	N	O	R	T	H																		EM 2000
17	27.6	44.7	59.5	72.5	83.5	94.5																	87.2	12,15
E	X	I	T		O	N	L	Y																E 2000
59.7	70.4	83.2	87.4	96.9	108.4	121.3	134.1	144.1															96.6	12.4

SIGN PANEL ①



BORDER
R=12"
TH=2"

SIGN NUMBER	Left Exit – Ground
WIDTH x HGHT.	20'–0" x 11'–0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Retro-Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	50	57	36	36
M1_1	0	167	57	36	36
ARUP	0	175	15	20	30

LETTER LOCATIONS ARE PANEL EDGE TO LOWER LEFT CORNER

LETTER POSITIONS (X)																							LENGTH	SERIES/SIZE
E	A	S	T																					E 2000
42	56	69.6	80.6																				47.6	15,12
T	O	W	E	S	T																			E 2000
146	156.6	173.7	192.3	203	214																		77.1	12,15
L	E	F	T		L	A	N	E																E 2000
17	28	39.4	49.4	58.4	70.4	80.3	94.6	107.4															99.5	12

SIGN PANEL ②

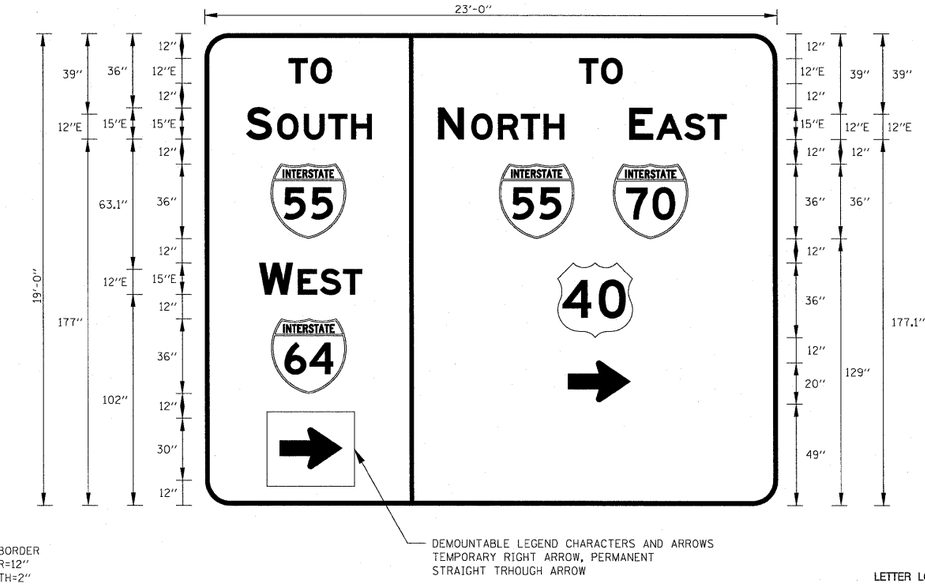
3/17/2010
$TIME$
$FILE$

FILE NAME = $FILE	USER NAME = default	DESIGNED - AGF	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
		DRAWN - AGF	REVISED -	
	PLOT SCALE = 3.0000 ' / IN.	CHECKED - MPW	REVISED -	
	PLOT DATE = 3/17/2010	DATE - 3/19/10	REVISED -	

SIGN PANEL DETAILS

SCALE: N/A | SHEET NO. 1 OF 3 SHEETS | STA. N/A | TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	152
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



BORDER
R=12"
TH=2"

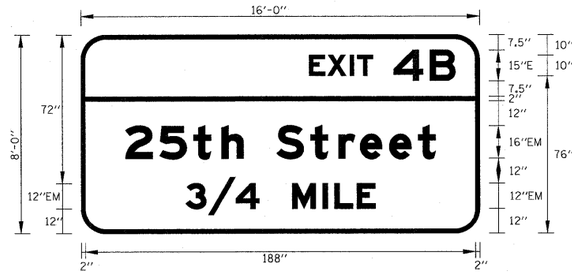
SIGN NUMBER	Right Exit – Ground
WIDTH x HGHT.	23'-0" x 19'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Retro-Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	32	129	36	36
M1_1	0	142	129	36	36
M1_1	0	197	129	36	36
M1_4	0	170	81	36	36
M1_1	0	32	54	36	36
ARUP	270	175	50	20	30
ARUP	0	40	13	20	30

LETTER LOCATIONS ARE PANEL EDGE TO LOWER LEFT CORNER

LETTER POSITIONS (X)																																LENGTH	SERIES/SIZE
T	O																																E 2000
40.5	51.2																															20.8	12
T	O																																E 2000
180.6	191.3																															20.8	12
S	O	U	T	H																													E 2000
20.1	35	47.9	59.6	70.7																												60.3	15,12
N	O	R	T	H																													E 2000
112.6	128.6	141.4	152.5	163.5																												60.7	15,12
E	A	S	T																														E 2000
204.8	217.9	231.5	242.5																													46.8	15,12
W	E	S	T																														E 2000
26.4	45	55.6	66.7																													49.3	15,12

SIGN PANEL ③



BORDER
R=12"
TH=2"

SIGN NUMBER	Next X Exits
WIDTH x HGHT.	16'-0" x 8'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ Retro-Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																																LENGTH	SERIES/SIZE
E	X	I	T	4	B																												E 2000
110	118.9	129.6	133.1	150.6	168.2																											57.8	10,15
2	5	t	h		S	t	r	e	e	t																							EM 2000
21.5	37.9	54.3	67.7	78.3	94.3	110.6	124	134.4	148.5	162.4																						149.3	1611.7
3	/	4	M	I	L	E																											EM 2000
50.5	61.4	74.6	101.7	116.3	122	132.8																										91.2	12

SIGN PANEL ④

3/17/2010
$TIME$

FILE NAME = $FILEL	USER NAME = default	DESIGNED - AGF	REVISED -	
		DRAWN - AGF	REVISED -	
	PLOT SCALE = 3.0000 ' / IN.	CHECKED - MPW	REVISED -	
	PLOT DATE = 3/17/2010	DATE - 3/19/10	REVISED -	

$FILE$

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DETAILS

SCALE: N/A | SHEET NO. 2 OF 3 SHEETS | STA. N/A | TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	153
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

BORDER
R=12"
TH=2"

SIGN NUMBER	Two Down Arrows
WIDTH x HGHT.	16'-0" x 12'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Retro-Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	32.5	69	36	36
M1_1	0	84.5	69	36	36
M1_1	0	136.5	69	36	36

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																						LENGTH	SERIES/SIZE
S	O	U	T	H																			E 2000
19.5	33.8	46.6	58.4	69.4																		59.6	15,12
W	E	S	T																				E 2000
105	123	133.7	144.8																			48.7	15,12
S	t		L	o	u	i	s																EM 2000
44.4	60.7	69	85	98.9	114.8	131.7	139.6															105.8	16\11.7
L	E	F	T		L	A	N	E	S														EM 2000
44.4	55.2	66.6	76.8	85.6	97.6	107.2	121.5	134.6	145.6													111	12

SIGN PANEL ⑤

BORDER
R=12"
TH=2"

SIGN NUMBER	name
WIDTH x HGHT.	16'-0" x 17'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Retro-Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	36	100	36	36
M1_1	0	125	100	36	36

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																						LENGTH	SERIES/SIZE
E	X	I	T	3																			E 2000
115	123.9	134.6	138.1	160.6																		57.8	10,15
N	O	R	T	H																			E 2000
25	37.5	50.3	61.4	72.4																		57.1	12
E	A	S	T																				E 2000
120	130.3	143.9	154.9																			43.9	12
C	h	i	c	a	g	o																	EM 2000
46.7	64.2	81.1	89.3	103.4	118.9	134.4																98.6	16\11.7
l	n	d	i	a	n	a	p	o	l	i	s												EM 2000
17.7	26.3	41.8	58.8	67	83.9	99.4	116.4	130.5	146.3	155.9	163.8											156.6	16\11.7
N	E	X	T		R	I	G	H	T														E 2000
42	54.8	65.6	77.5	86.8	99.2	111.4	116.1	128.6	140.5													107.8	12.4

SIGN PANEL ⑥

3/17/2010
$TIME$

$FILE$

FILE NAME = $FILEL	USER NAME = default	DESIGNED - AGF	REVISED -
		DRAWN - AGF	REVISED -
	PLOT SCALE = 3.0000 ' / IN.	CHECKED - MPW	REVISED -
	PLOT DATE = 3/17/2010	DATE - 3/19/10	REVISED -

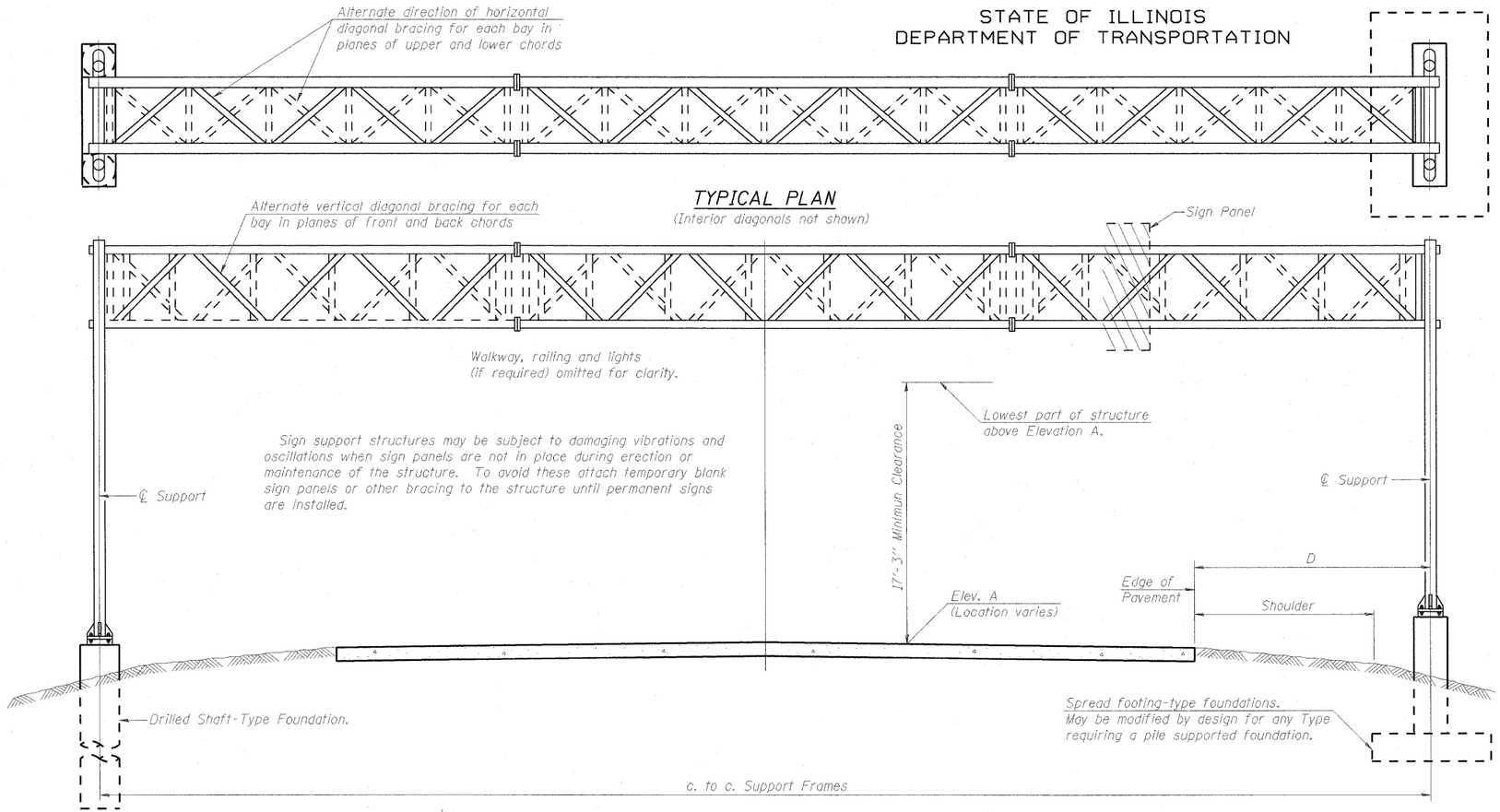
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DETAILS

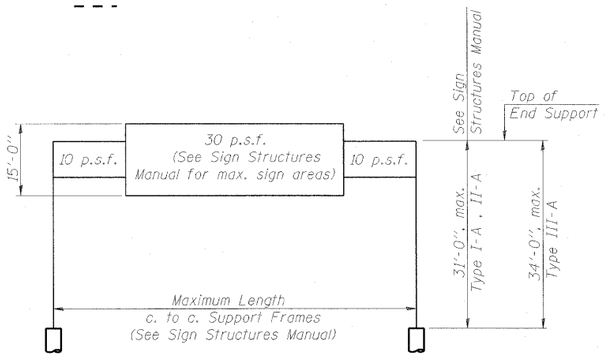
SCALE: N/A | SHEET NO. 3 OF 3 SHEETS | STA. N/A | TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	154
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



TYPICAL PLAN
(Interior diagonals not shown)



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.

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
ST CLAIR ST	34+75.00	II-A	73'-0"	413.50	12'-3"	19'	657 SQ FT
8S082I64L003.4	93+20.00	III-A	87'-0"	399.49	12'-0"	17'	841 SQ FT

**Looking upstation for structures with signs both sides.

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.
fy = 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 or A500 Grade B or C. 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, 55 or 105 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.

FOUNDATIONS: The contract unit price for Concrete Foundations and Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.

* 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 SPAN TYPE I-A	Foot	
OVERHEAD SIGN STRUCTURE SPAN TYPE II-A	Foot	73
OVERHEAD SIGN STRUCTURE SPAN TYPE III-A	Foot	87
OVERHEAD SIGN STRUCTURE WALKWAY TYPE A	Foot	107
CONCRETE FOUNDATIONS	Cu. Yds.	
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	57.8

NUMBER	REVISION	DATE

DESIGNED TGF
CHECKED MPW
DRAWN TGF
CHECKED MPW

- 200

EXAMINED
ENGINEER OF BRIDGE DESIGN

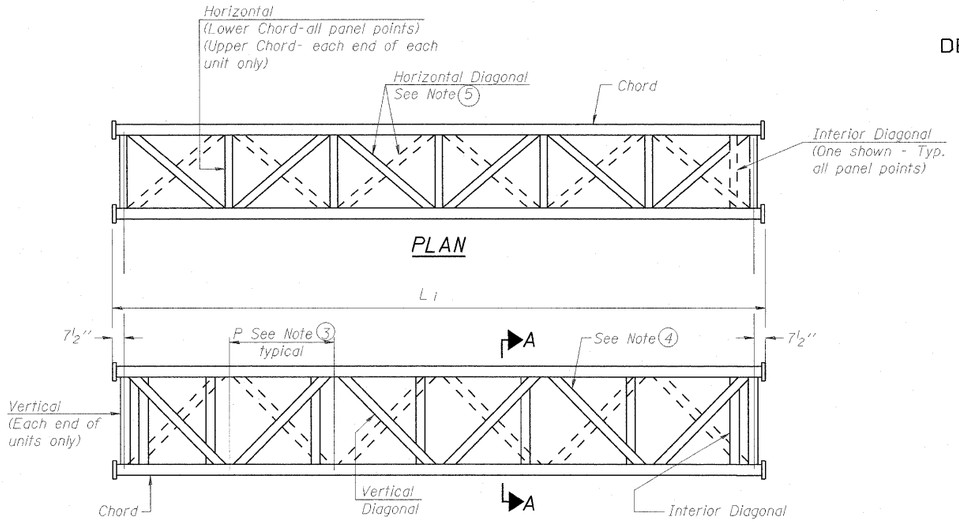
PASSED
ENGINEER OF BRIDGES AND STRUCTURES

OS-A-1 12-1-08

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

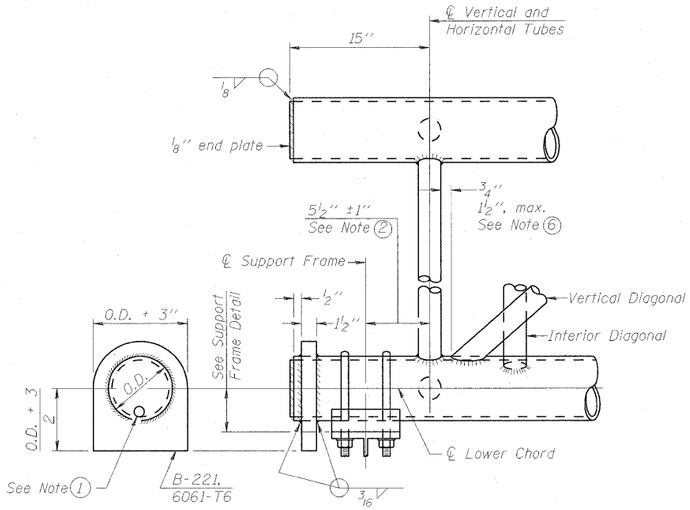
SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS	64	82-1-2HB	ST. CLAIR	345	155
			CONTRACT NO. 76C49		
	FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		Rev.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

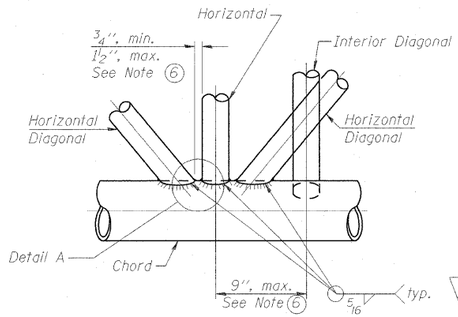


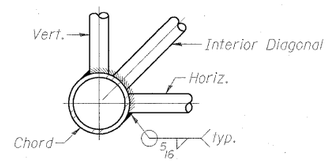
ELEVATION
TYPICAL INTERIOR UNIT

Even number of panels/interior unit required.

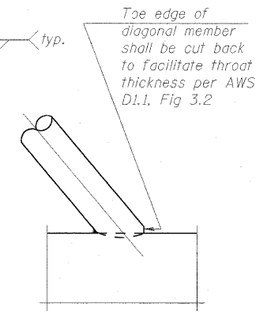


SUPPORT END DETAIL FOR EXTERIOR UNIT





TYPICAL JOINT DETAILS



DETAIL A

ELEVATION
TYPICAL EXTERIOR UNIT

Even or odd number of panels/exterior units allowed.

SECTION A-S

1. Contractor may alternatively use standard aluminum drive-fit cap to close end. ½" ϕ drain hole in end plate/drive-fit cap. (Typ. at ends of all chords)
2. 5½" end dimension may vary by ±1" to provide uniform panel spacing (P).
3. 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.
4. Vertical Diagonals in front and back face shall alternate.
5. Hidden lines show wind bracing alternates direction between planes of top and bottom chords.
6. All diagonals shall be detailed for minimum offset from the panel point based on the following: Offset shall be such as to provide a ¾" minimum to 1½" 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	TGF
CHECKED	MPW
DRAWN	TGF
CHECKED	MPW

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

ENGINEER OF BRIDGES AND STRUCTURES

OS-A-2 12-1-08

NUMBER	REVISION	DATE

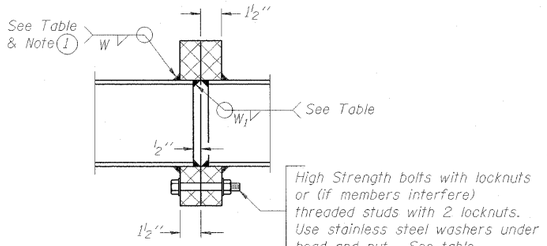
OVERHEAD SIGN STRUCTURES
ALUMINUM TRUSS DETAILS
FOR TRUSS TYPES I-A, II-A AND III-A

SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS	64	82-1-2HB	ST. CLAIR	345	156
			CONTRACT NO. 76C49		
	FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

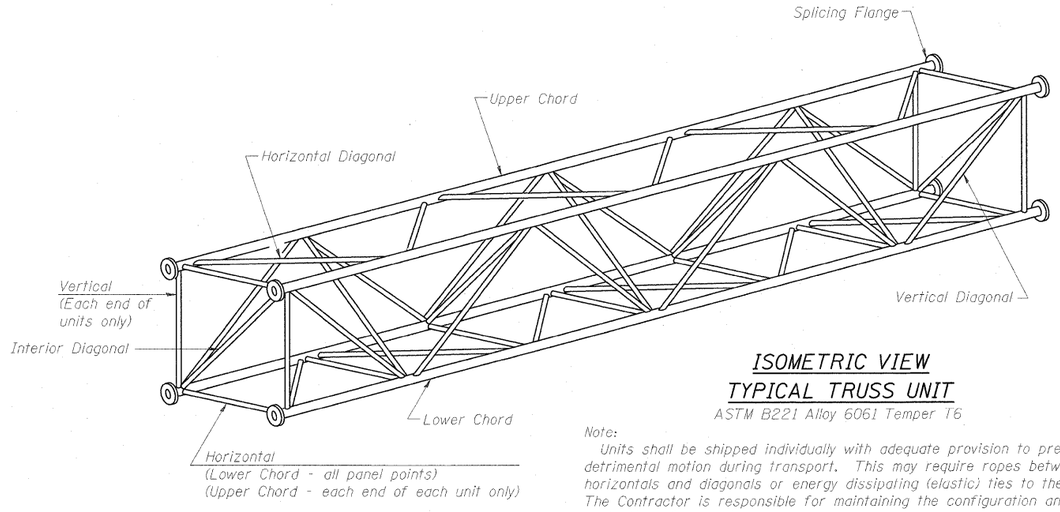
TRUSS UNIT TABLE

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_1		
ST CLAIR ST	34+75.00	II-A	7	37'- $3\frac{3}{4}$"	5' - $0\frac{3}{4}$"	0	-	-	-	$5\frac{1}{2}$"	$\frac{5}{16}$"	-	-	1 $\frac{1}{2}$"	6	$\frac{7}{8}$"	$\frac{3}{8}$"	$\frac{1}{4}$"	$9\frac{1}{4}$"	$12\frac{1}{4}$"
8S082I64L003.4	93+20.00	III-A	5	28'-$0\frac{1}{4}$"	5'-$2\frac{3}{4}$"	1	6	32'-$7\frac{1}{2}$"	5'-2"	7"	$\frac{5}{16}$"	-	-	1 $\frac{1}{16}$"	6	1"	$\frac{7}{16}$"	$\frac{5}{16}$"	$11\frac{1}{2}$"	15"



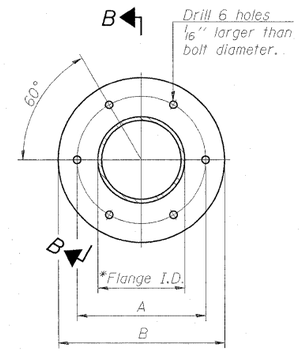
SECTION B-B

(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.

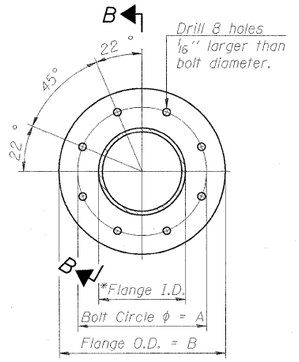


ISOMETRIC VIEW
TYPICAL TRUSS UNIT
ASTM B221 Alloy 6061 Temper T6

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.



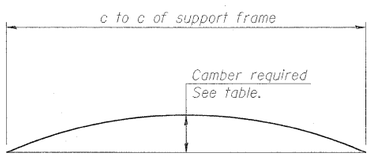
TRUSS TYPES I-A, II-A, & III-A



TRUSS TYPES II-A & III-A

SPLICING FLANGES

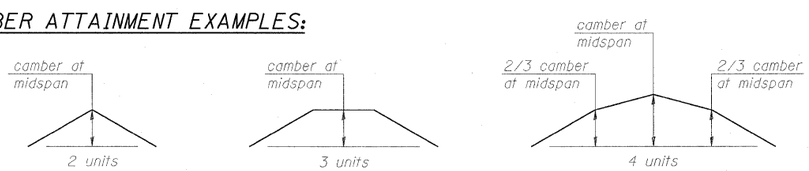
ASTM B221, Alloy 6061-T6
or ASTM B209, Alloy 6061-T651
*To fit O.D. of Chord with maximum gap of 1/16".



CAMBER DIAGRAM

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

CAMBER ATTAINMENT EXAMPLES:



Camber shown is for fabrication only, measured with truss fully supported. (No-load condition)

NUMBER	REVISION	DATE

DESIGNED	TGF
CHECKED	MPW
DRAWN	TGF
CHECKED	MPW

- 200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

ENGINEER OF BRIDGES AND STRUCTURES

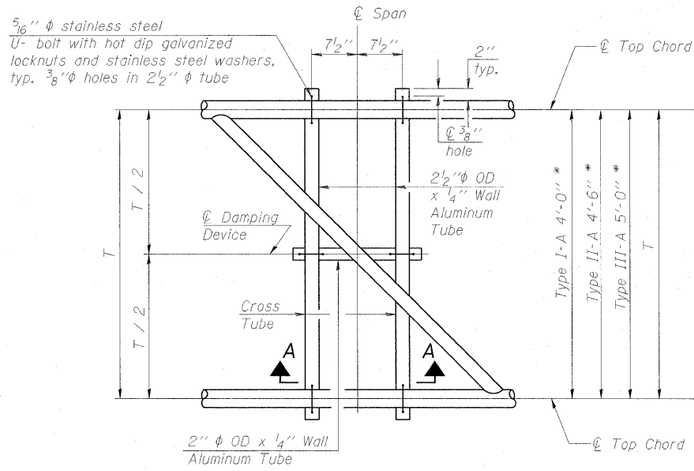
OS4-A-2 12-1-08

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

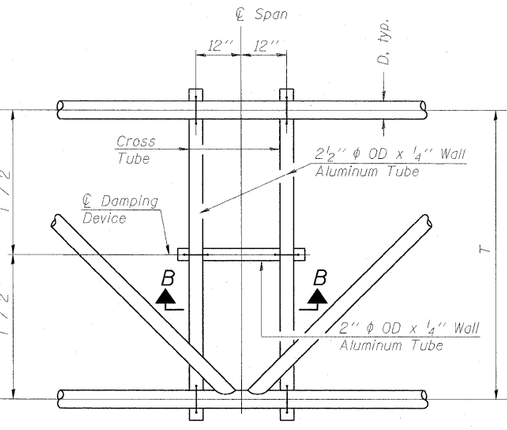
SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS	64	82-1-2HB	ST. CLAIR	345	157
			CONTRACT NO. 76C49		
	FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

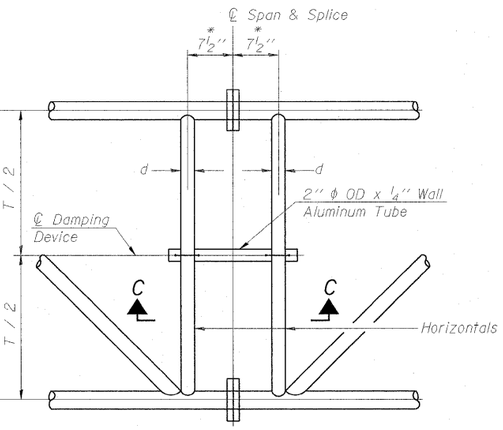
* Center of horizontal to center of splice dimension may vary. Verify before drilling holes in mounting tube.



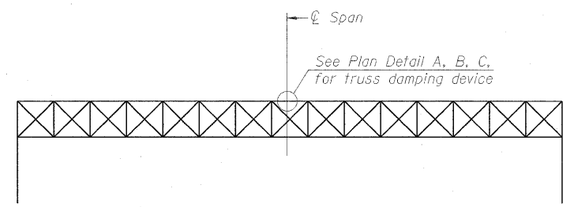
PLAN DETAIL "A"
℄ Span between Panel Points



PLAN DETAIL "B"
℄ Span at Panel Point



PLAN DETAIL "C"
℄ Span at ℄ Chord Splice

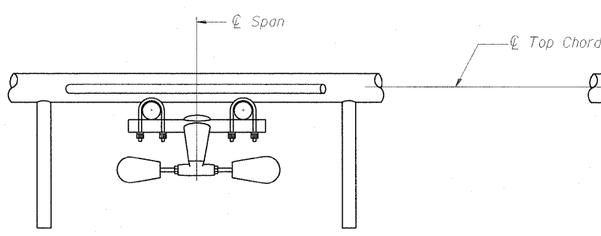


ELEVATION
Aluminum Overhead Sign Truss

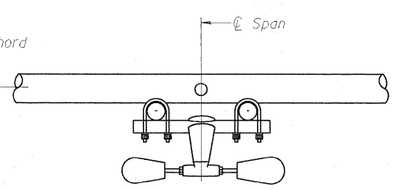
NOTES

Damper: One damper per truss. (31 lbs. minimum Stockbridge-Type Aluminum - 29" minimum between ends of weights) Cost included in Overhead Sign Structure...

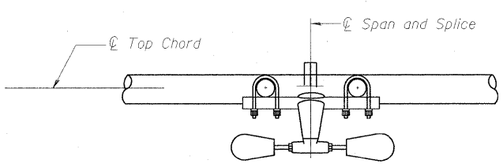
Materials: Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6. Cost included in Overhead Sign Structure...



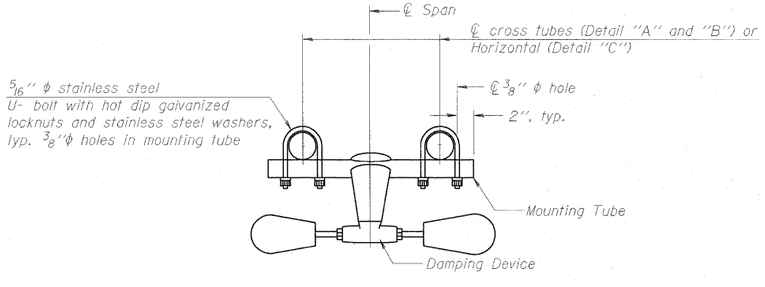
SECTION A-A



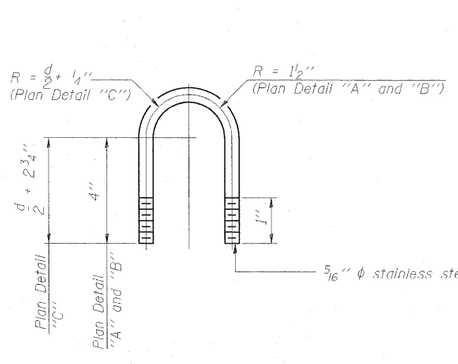
SECTION B-B



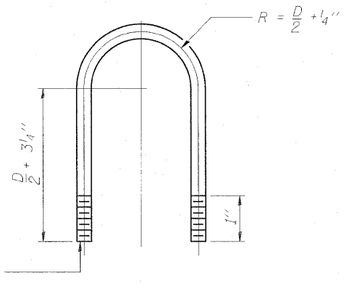
SECTION C-C



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	TGF
CHECKED	MPW
DRAWN	TGF
CHECKED	MPW

\- 200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

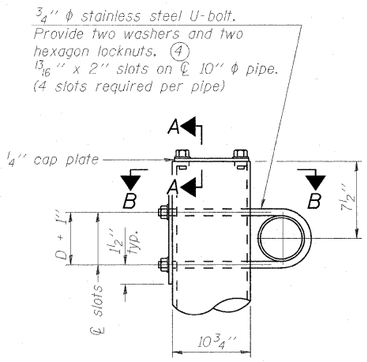
ENGINEER OF BRIDGES AND STRUCTURES

OS-A-D 12-1-08

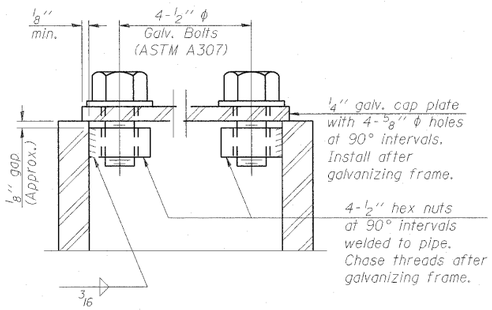
OVERHEAD SIGN STRUCTURE
DAMPING DEVICE

SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS	64	82-1-2HB	ST. CLAIR	345	158
			CONTRACT NO. 76C49		
	FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

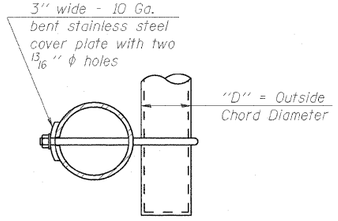


DETAIL A

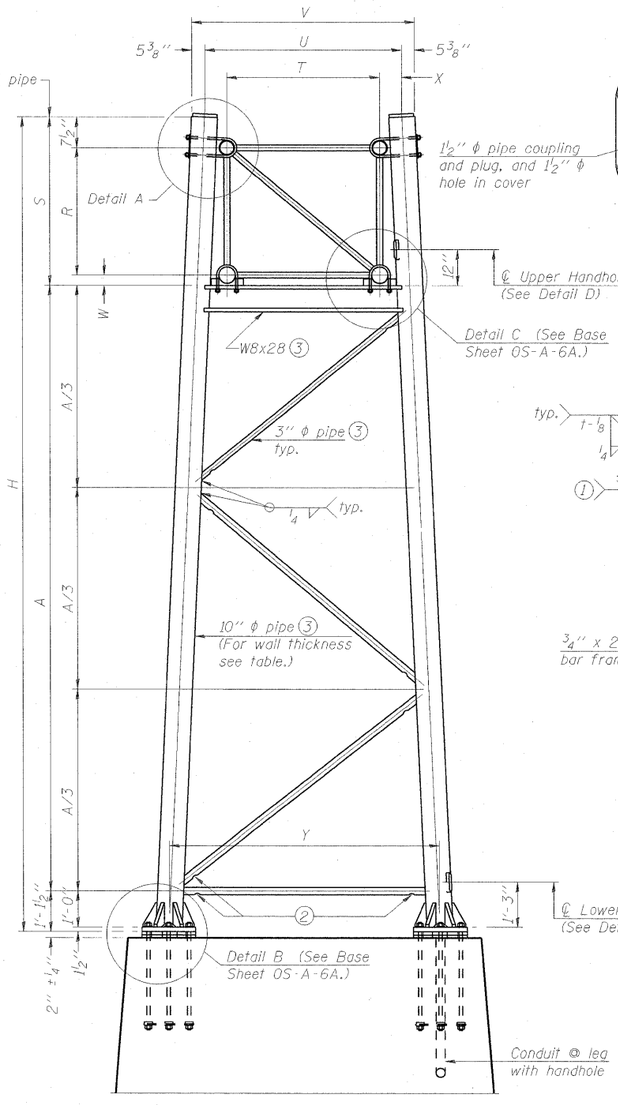


SECTION A-A

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

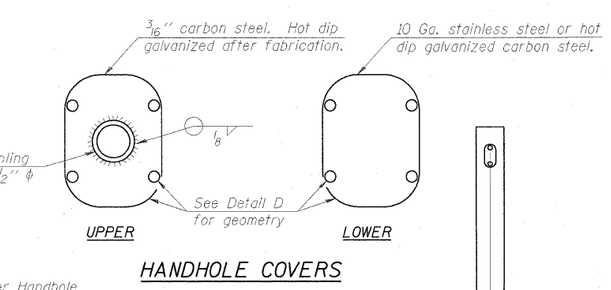


SECTION B-B

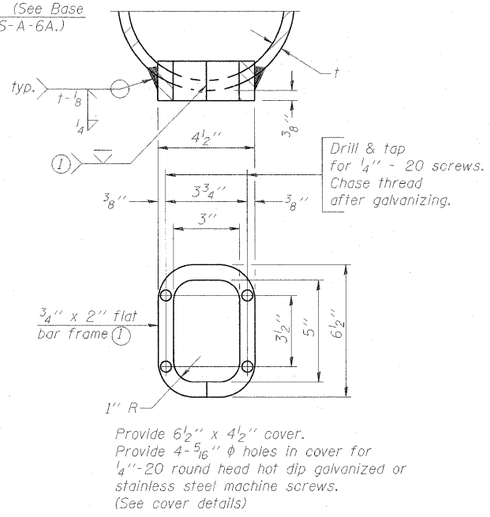


For Foundation Details, see base sheet OS-F3 (Spread Footing) or OS4-F3 (Drilled Shaft).

SIDE ELEVATION

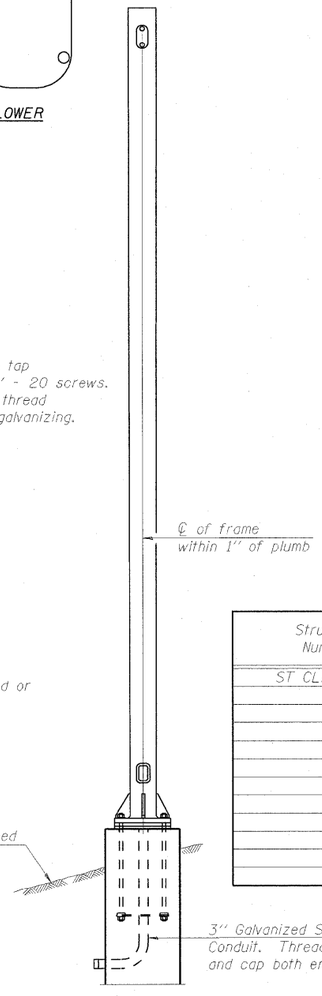


HANDHOLE COVERS



Provide 6 1/2" x 4 1/2" cover.
Provide 4-5/16" ϕ holes in cover for 1/4"-20 round head hot dip galvanized or stainless steel machine screws.
(See cover details)

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

(1) 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 μin or less.

(2) 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.

(3) 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.

(4) See General Notes for fasteners.

(5) Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.

(6) "H" based on 15'-0" or actual sign height, whichever is greater.

Structure Number	Station	Support		Truss Type	Pipe Wall Thickness	H (6)	A
		Left	Right				
ST CLAIR ST	34+75.00	X	X	II-A	.365"	29'-0"	21'-7 1/4"

10" ϕ PIPE TRUSS SUPPORT FRAME

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

NUMBER	REVISION	DATE

DESIGNED	TGF
CHECKED	MPW
DRAWN	TGF
CHECKED	MPW

- 200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

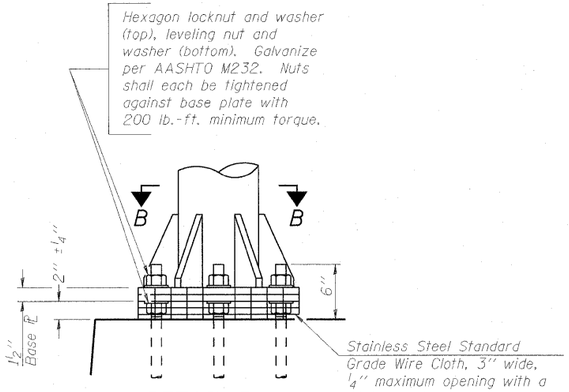
ENGINEER OF BRIDGES AND STRUCTURES

OS-A-6 12-1-08

OVERHEAD SIGN STRUCTURES
SUPPORT FRAME FOR ALUMINUM TRUSS

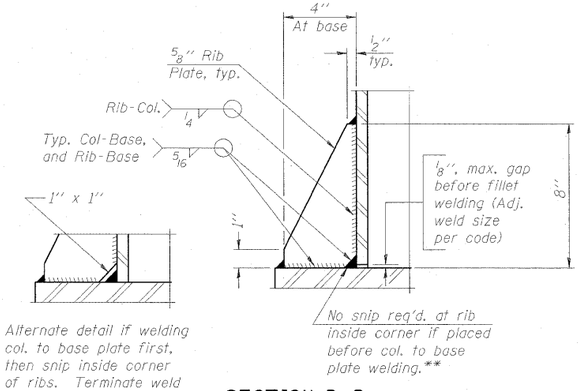
SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS	64	82-1-2HB	ST. CLAIR	345	159
			CONTRACT NO. 76C49		
	FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



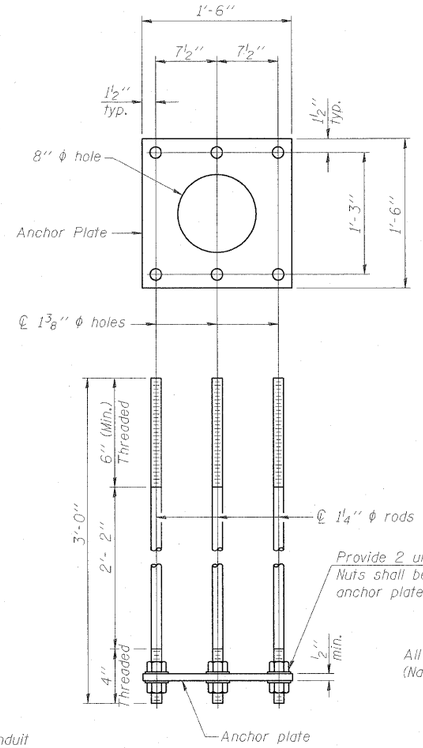
DETAIL B

Ribs shall be cut to fit slope of pipe.



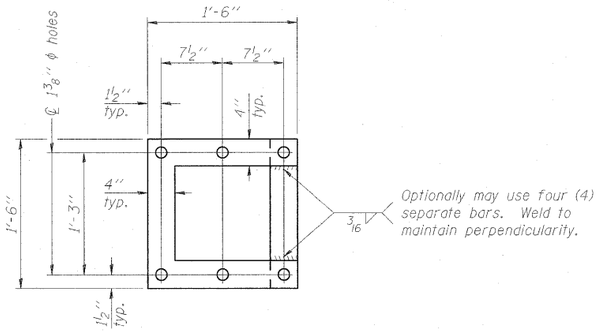
** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib 1/4" from snip.

SECTION D-D

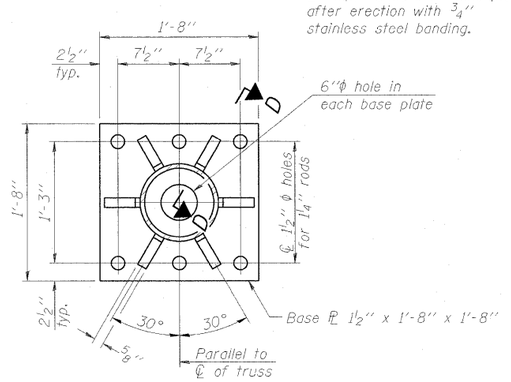


ANCHOR ROD DETAIL

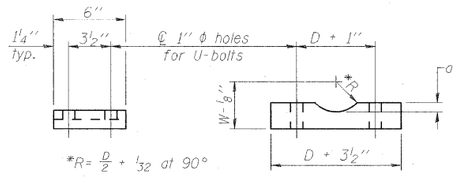
Spread Footing Foundation



POSITIONING PLATE(S)



SECTION B-B



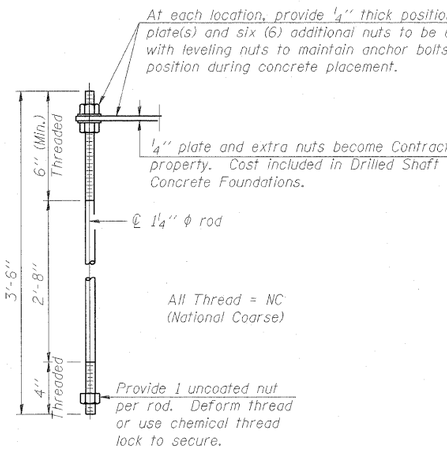
*R = D/2 + 1/32 at 90°

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)

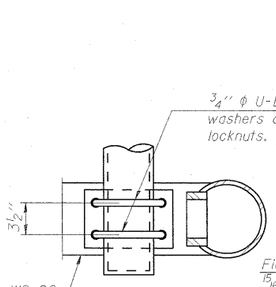
Truss Chord Nominal Dia.	a
5"	3/4"
5 1/2"	13/16"
6"	7/8"
6 1/2"	15/16"
7"	1"



ANCHOR ROD DETAIL

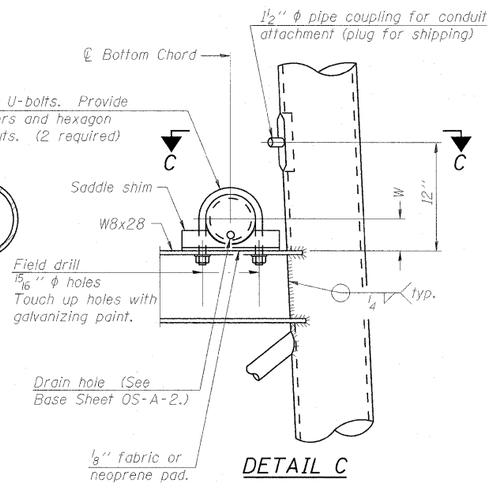
Drilled Shaft Foundation

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.



SECTION C-C

(Handhole cover not shown)



DETAIL C

10" ℄ PIPE SUPPORT FRAME DETAILS

NUMBER	REVISION	DATE

DESIGNED	TGF
CHECKED	MPW
DRAWN	TGF
CHECKED	MPW

- 200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

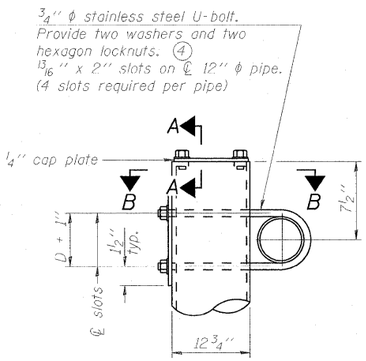
ENGINEER OF BRIDGES AND STRUCTURES

OS-A-6A 12-1-08

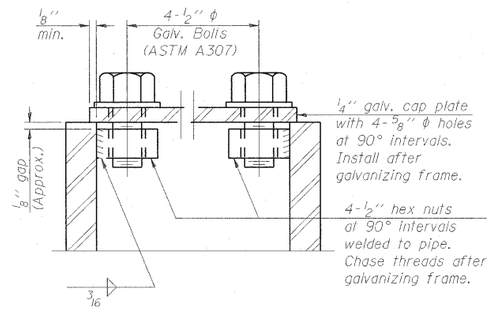
OVERHEAD SIGN STRUCTURES
SUPPORT FRAME DETAILS ALUMINUM TRUSS

SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS	64	82-1-2HB	ST. CLAIR	345	160
			CONTRACT NO. 76C49		
	FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

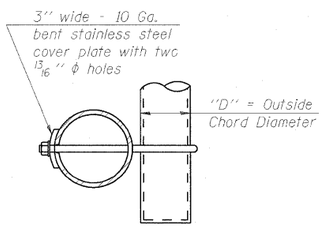


DETAIL A

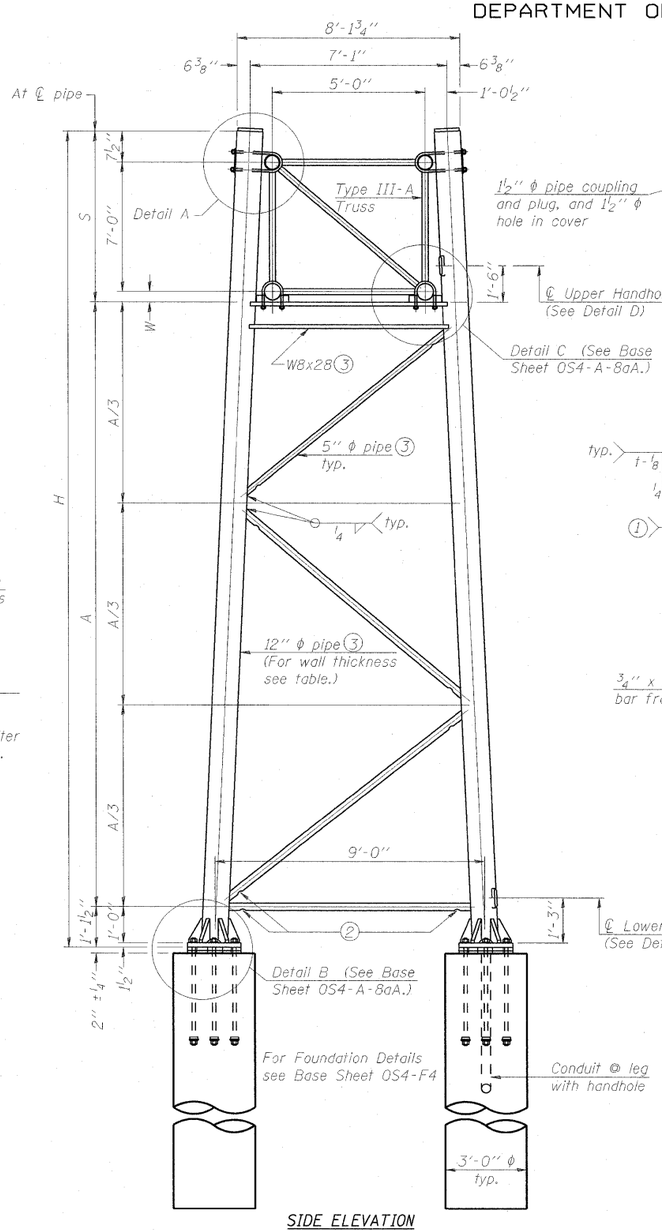


SECTION A-A

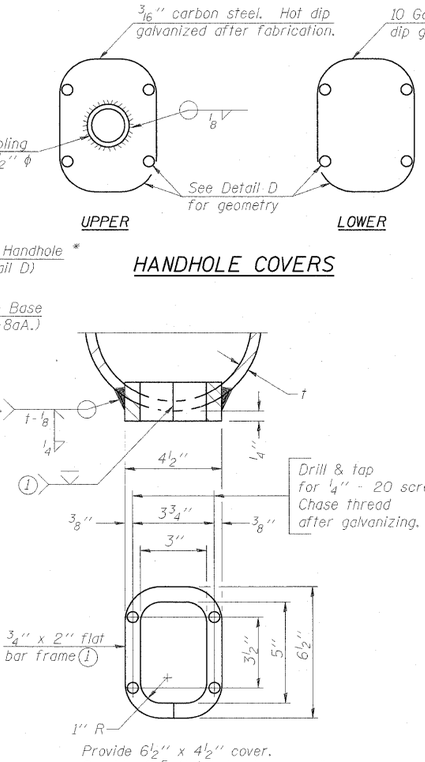
As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.



SECTION B-B



SIDE ELEVATION



HANDHOLE COVERS

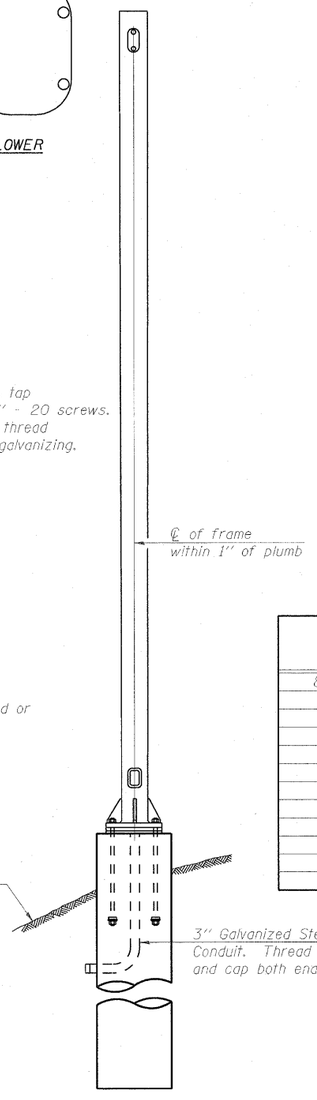
Provide 6 1/2" x 4 1/2" cover.
Provide 4-5/16" ϕ holes in cover for 1/4"-20 round head hot dip galvanized or stainless steel machine screws.
(See cover details)

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



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

(1) 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 μin or less.

(2) 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.

(3) 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.

(4) See General Notes for fasteners.

(5) Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.

(6) "H" based on 15'-0" or actual sign height, whichever is greater

* For dynamic message sign installations, provide upper and lower handholes in both legs of each support frame.

Structure Number	Station	Support Left	Support Right	Pipe Wall Thickness	H (6)	A
8S082164L003.4	93+20.00	X	X	0.33"	30'-0"	20'-10 1/4"

DESIGNED	TGF
CHECKED	MPW
DRAWN	TGF
CHECKED	MPW

- 200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

ENGINEER OF BRIDGES AND STRUCTURES

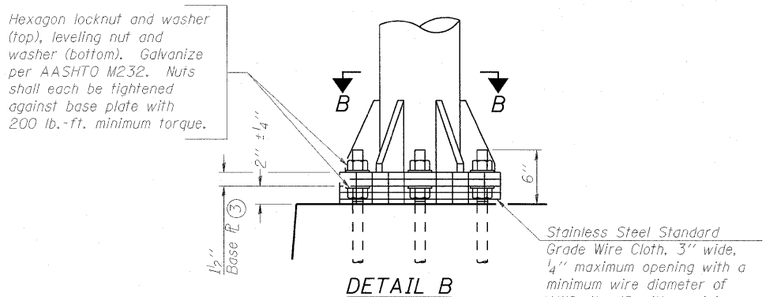
NUMBER	REVISION	DATE

OS4-A-8a 12-1-08

OVERHEAD SIGN STRUCTURES SUPPORT FRAME FOR TYPE III-A ALUMINUM TRUSS

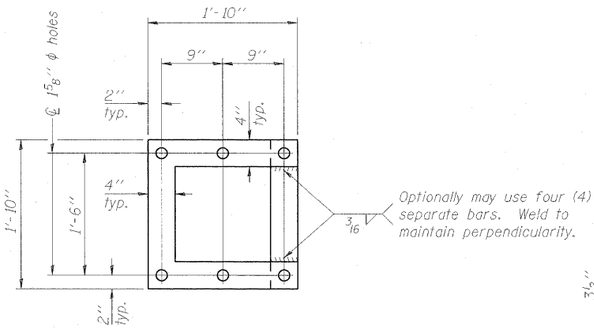
SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS	64	82-1-2HB	ST. CLAIR	345	161
			CONTRACT NO. 76C49		
	FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

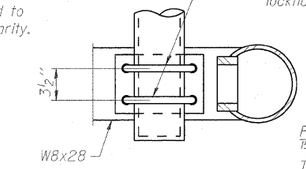


DETAIL B

Ribs shall be cut to fit slope of pipe.

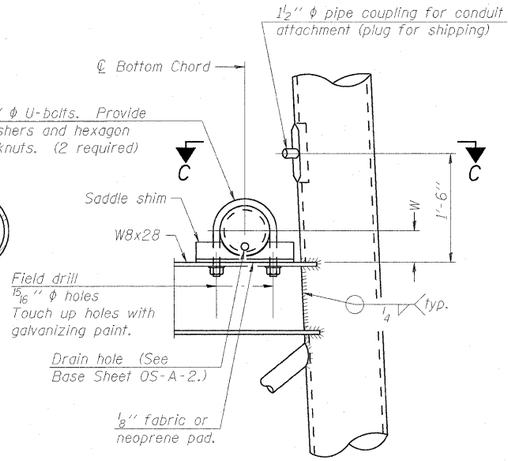


POSITIONING PLATE(S)

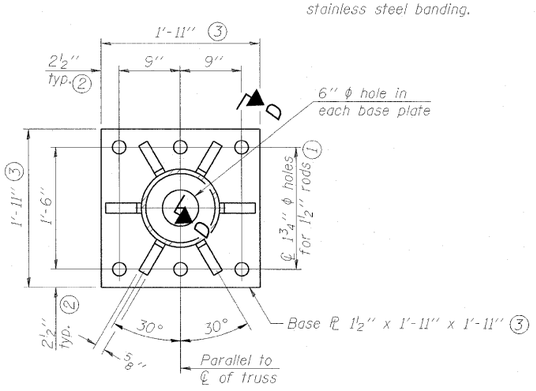


SECTION C-C

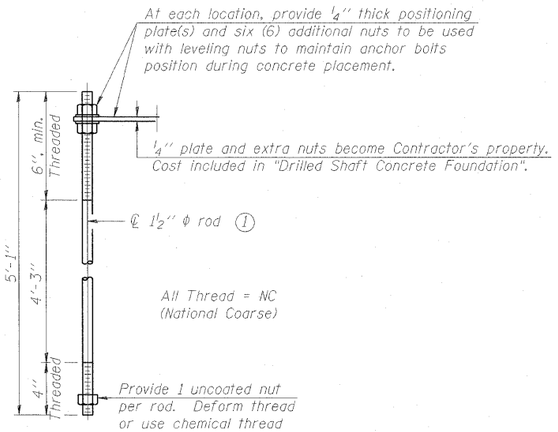
(Handhole cover not shown)



DETAIL C

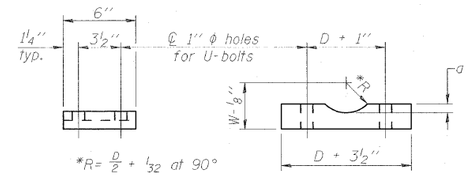


SECTION B-B



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.



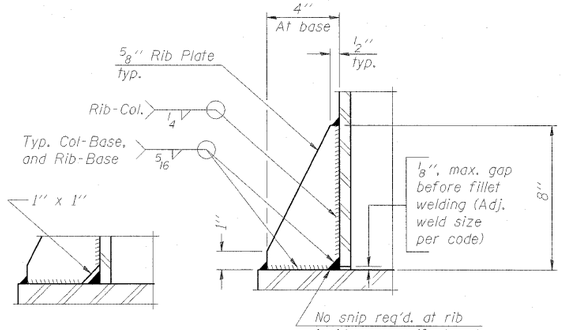
*R = D/2 + 1/32 at 90°

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

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

SADDLE SHIM DETAIL

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



** 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

TYPE III-A TRUSS
12" ϕ PIPE SUPPORT FRAME DETAILS

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

① 1 3/4" ϕ rod, 2" ϕ holes

② 2 3/4" edge distance

③ Base ℄ 1 5/8" x 1'-11 1/2" x 1'-11 1/2"

DESIGNED	TGF
CHECKED	MPW
DRAWN	TGF
CHECKED	MPW

OS4-A-8aA 12-1-08

- 200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

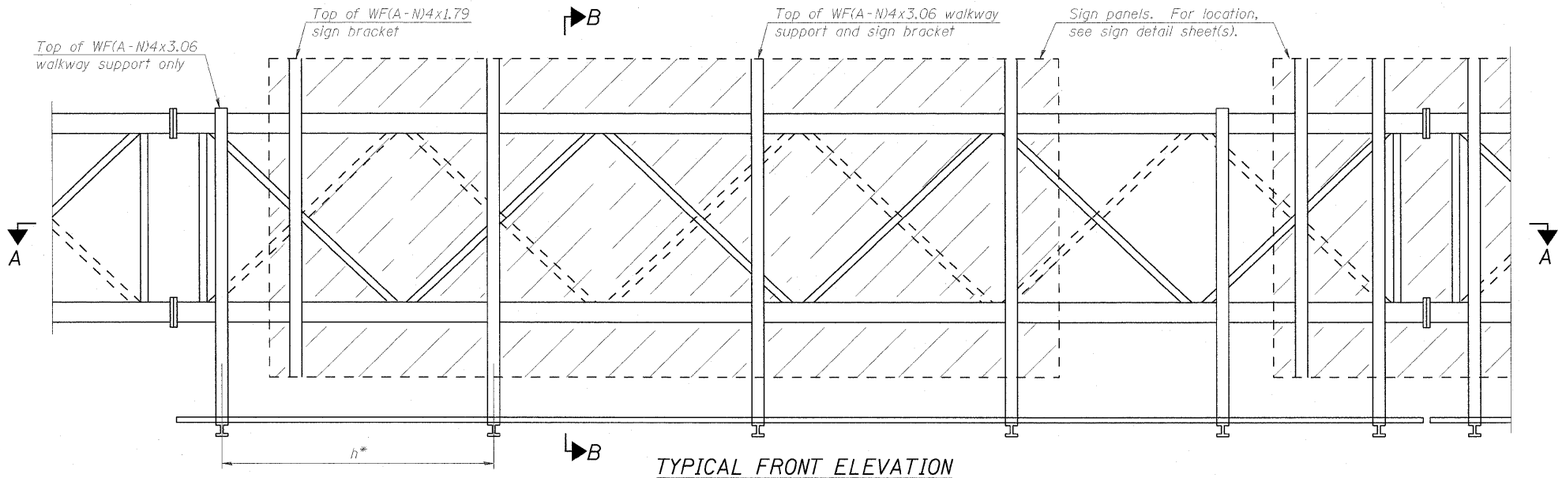
ENGINEER OF BRIDGES AND STRUCTURES

NUMBER	REVISION	DATE

OVERHEAD SIGN STRUCTURES
SUPPORT FRAME FOR
TYPE III-A ALUMINUM TRUSS

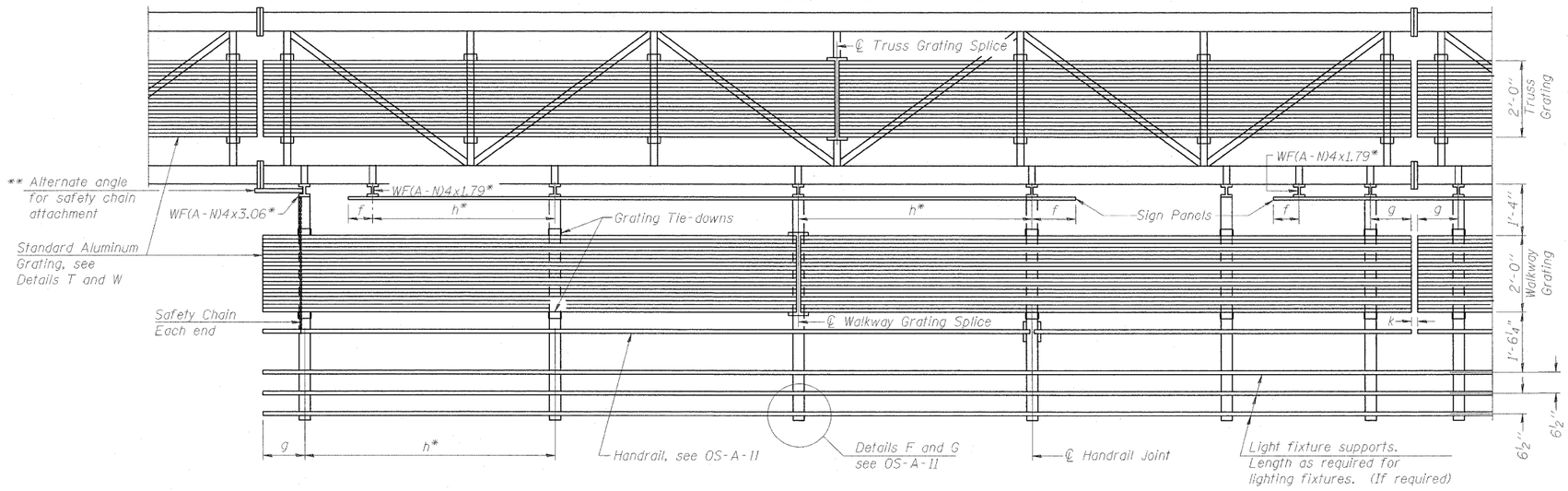
SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS	64	82-1-2HB	ST. CLAIR	345	162
			CONTRACT NO. 76C49		
	FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

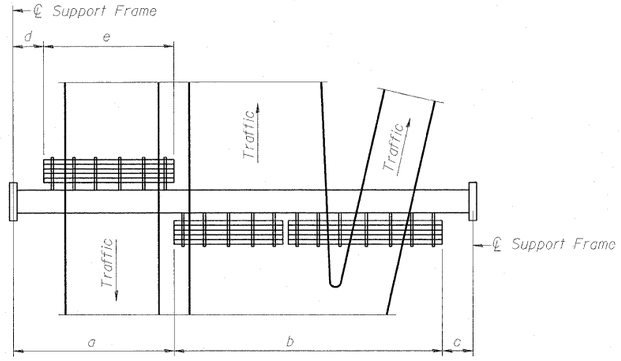
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



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)

BRACKET TABLE

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

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 Handrail Details see Base Sheet OS-A-11.

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. Handrail joints, grating, and light support 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".

Structure Number	Station	a	b	c	d	e	Walkway Grating and Handrail Lengths
ST CLAIR ST	34+75.00	42'-0"	23'-0"	8'-0"	19'-0"	20'-0"	47'-0"
8S082164L003.4	93+20.00	20'-0"	60'-0"	6'-8⅝"	-	-	60'-0"

Walkway and Truss Grating width dimensions are nominal and may vary ±½" based on available standard widths.

NUMBER	REVISION	DATE

DESIGNED	TGF
CHECKED	MPW
DRAWN	TGF
CHECKED	MPW

\- 200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

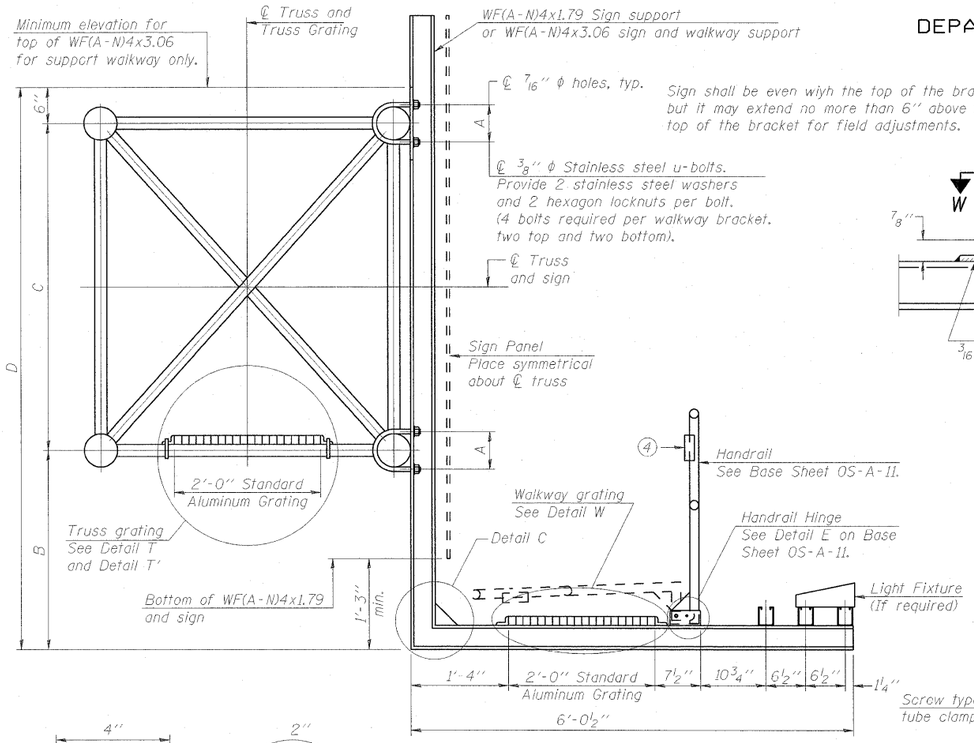
ENGINEER OF BRIDGES AND STRUCTURES

OS-A-9 12-1-08

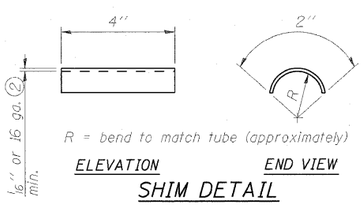
OVERHEAD SIGN STRUCTURES
ALUMINUM WALKWAY DETAILS

SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS	64	82-1-2HB	ST. CLAIR	345	163
			CONTRACT NO. 76C49		
	FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

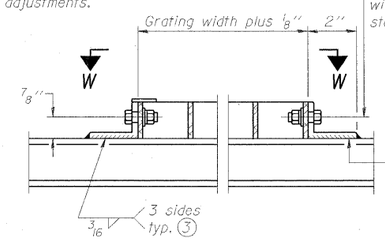
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



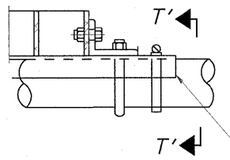
SECTION B-B



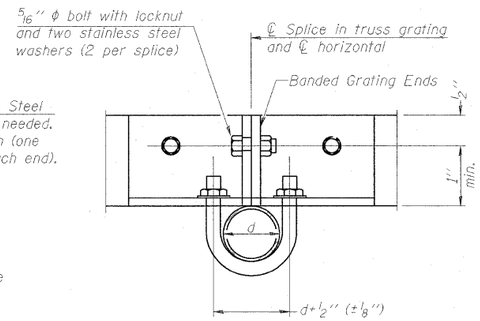
SHIM DETAIL



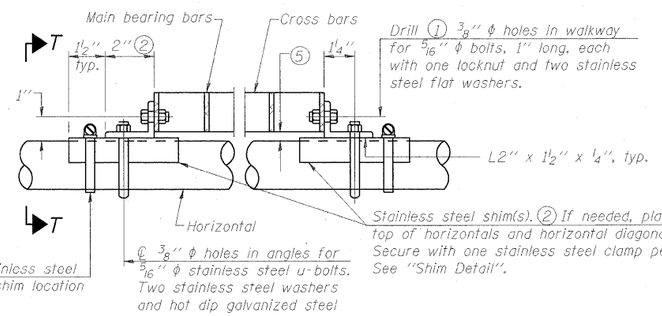
DETAIL W
(Walkway grating)



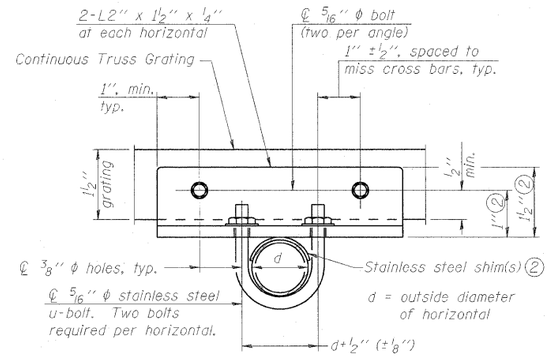
DETAIL T'
(Truss grating splice)
Details not shown same as Detail T. Alternate materials may be used subject to the Engineer's review and approval.



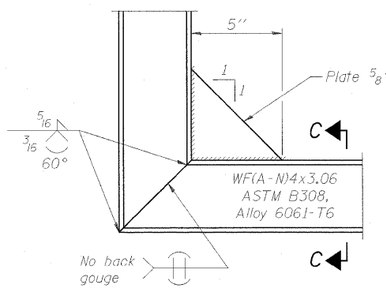
SECTION T'-T'



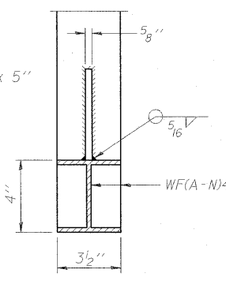
DETAIL T
(Continuous Truss grating)



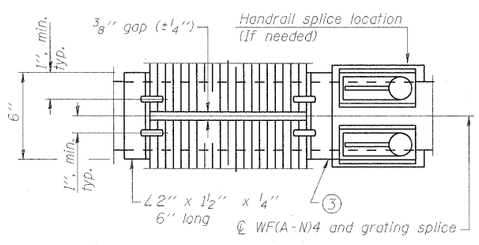
SECTION T-T



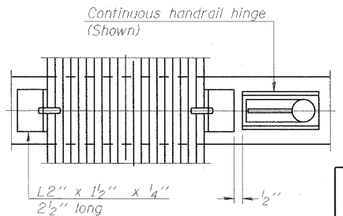
DETAIL C



SECTION C-C



(AT WALKWAY GRATING SPLICE)



(CONTINUOUS WALKWAY GRATING)

SECTION W-W

SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars shall be 3/16" x 1½" on 1 3/16" centers and conform to ASTM B221 Alloy 6061-T6.
Cross bars shall be 3/16" x 1½" 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 1½", 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	(6) B	C	(6) D
ST CLAIR ST	34+75.00	6"	8'-3"	5'-3"	14'-0"
8S082164L003.4	93+20.00	7½"	7'-3"	7'-0"	14'-9"

(1) Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.

(2) Stainless steel shims shall be placed as shown in Detail T if needed to compensate for alignment variations between horizontal and diagonal pipes beyond adjustment provided by angles. Thicker shims may be used subject to shims performing properly.

(3) If Handrail Joint present, weld angle to WF(A-N)4 and ¼" extension bars. (See Base Sheet OS-A-11.)

(4) ℄ ⅛" x ½" x 2" welded to handrail posts to protect locations that contact grating.

(5) Tube to grating gap may vary from 0 to ½", max. to align walkway, allow for camber, etc.

(6) Based on actual height of tallest sign given on OS-A-1.

NUMBER	REVISION	DATE

DESIGNED TGF
CHECKED MPW
DRAWN TGF
CHECKED MPW

- 200

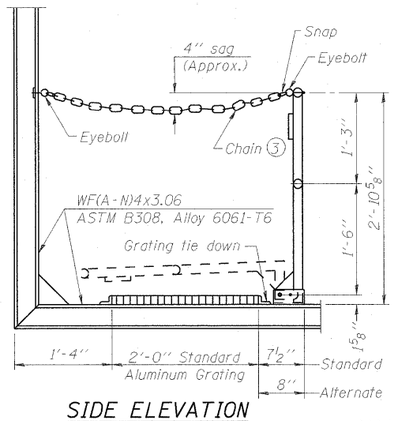
EXAMINED
ENGINEER OF BRIDGE DESIGN
PASSED
ENGINEER OF BRIDGES AND STRUCTURES

OS-A-10 6-1-09

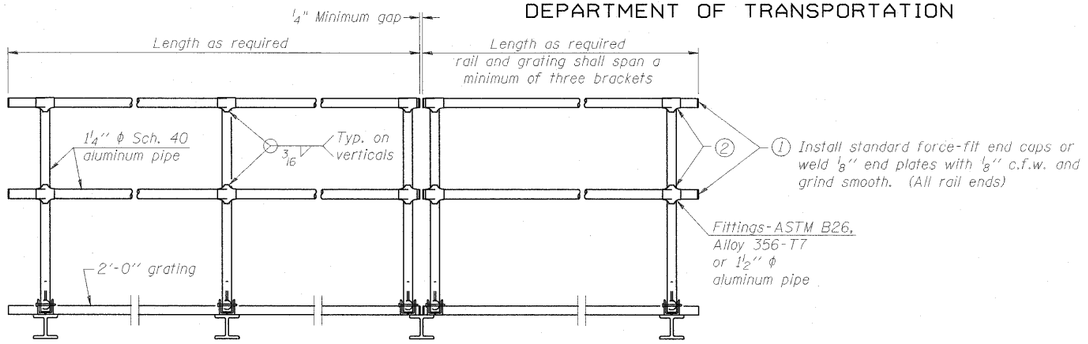
OVERHEAD SIGN STRUCTURES
ALUMINUM WALKWAY DETAILS

SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS	64	82-1-2HB	ST. CLAIR	345	164
			CONTRACT NO. 76C49		
	FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

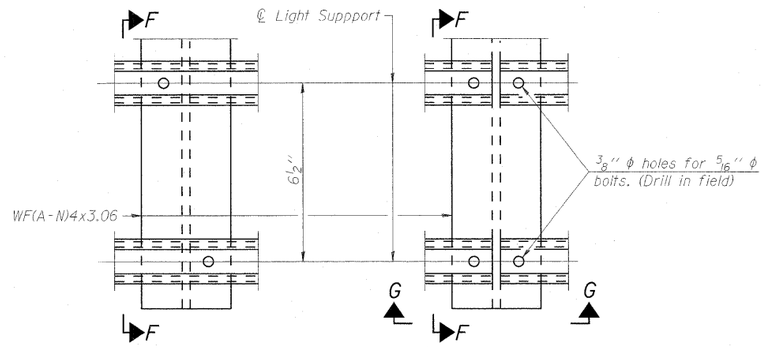


SIDE ELEVATION
(Showing safety chain w/o sign)



FRONT ELEVATION

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

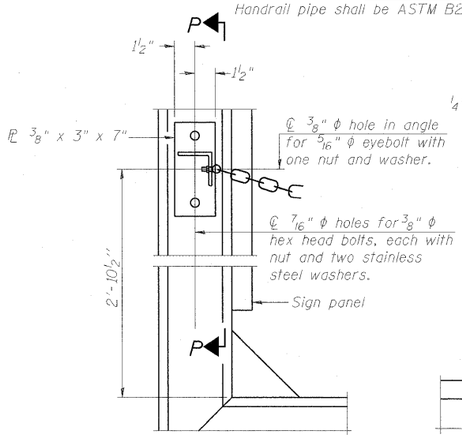


DETAIL F

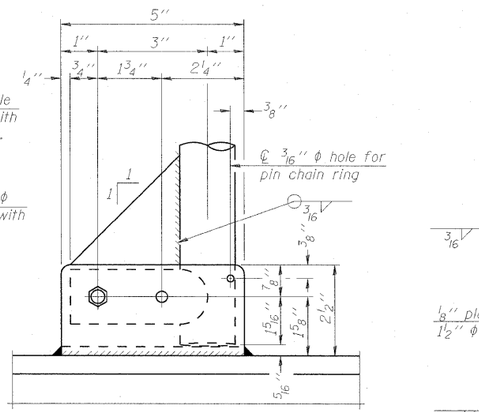
DETAIL G

HANDRAIL DETAILS

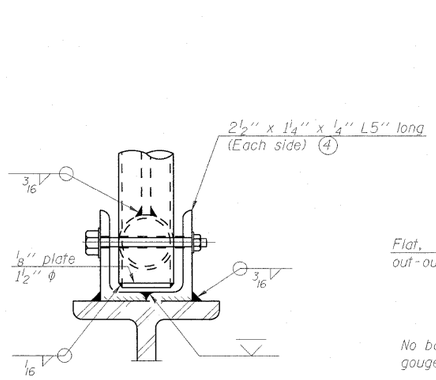
Handrail pipe shall be ASTM B241 or B429, Alloy 6063-T6 or Alloy 6061-T6.



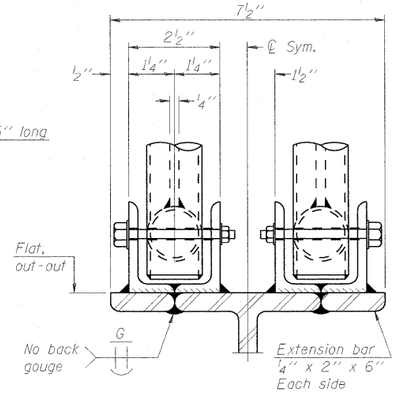
ALTERNATE SAFETY CHAIN ATTACHMENT
(With Sign Present)
Items not shown same as "Side Elevation" of "Handrail Details"



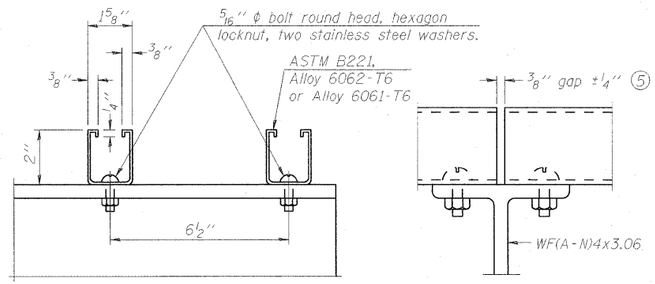
SIDE ELEVATION



FRONT ELEVATION
See "Elevation" at right for dimensions.



ELEVATION AT HANDRAIL JOINT (4)

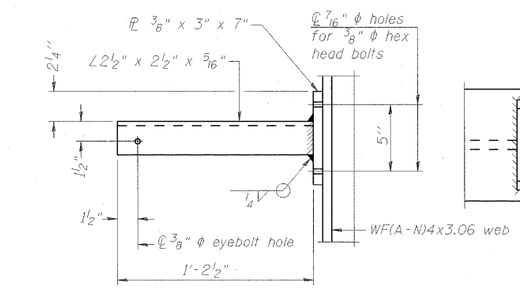


SECTION F-F

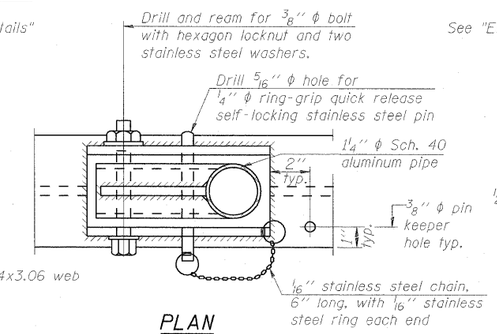
SECTION G-G

LIGHTING FIXTURE MOUNTS (IF REQUIRED)

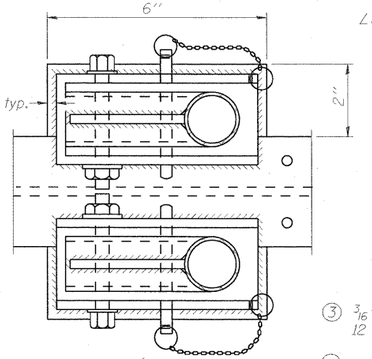
(5) Field cut ends of light support channels shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.



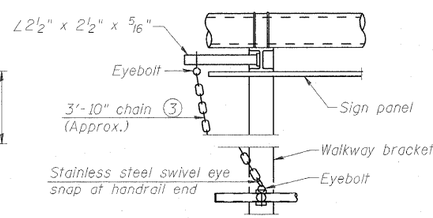
SECTION P-P



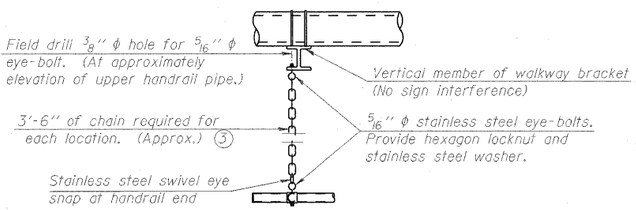
PLAN
DETAIL E HANDRAIL HINGE



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)



SAFETY CHAIN
One required for each end of each walkway.

(3) 3/16" Type 304L stainless steel chain, approximately 12 links per foot.

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

DESIGNED	TGF
CHECKED	MPW
DRAWN	TGF
CHECKED	MPW

200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

ENGINEER OF BRIDGES AND STRUCTURES

NUMBER	REVISION	DATE

OS-A-11 12-1-08

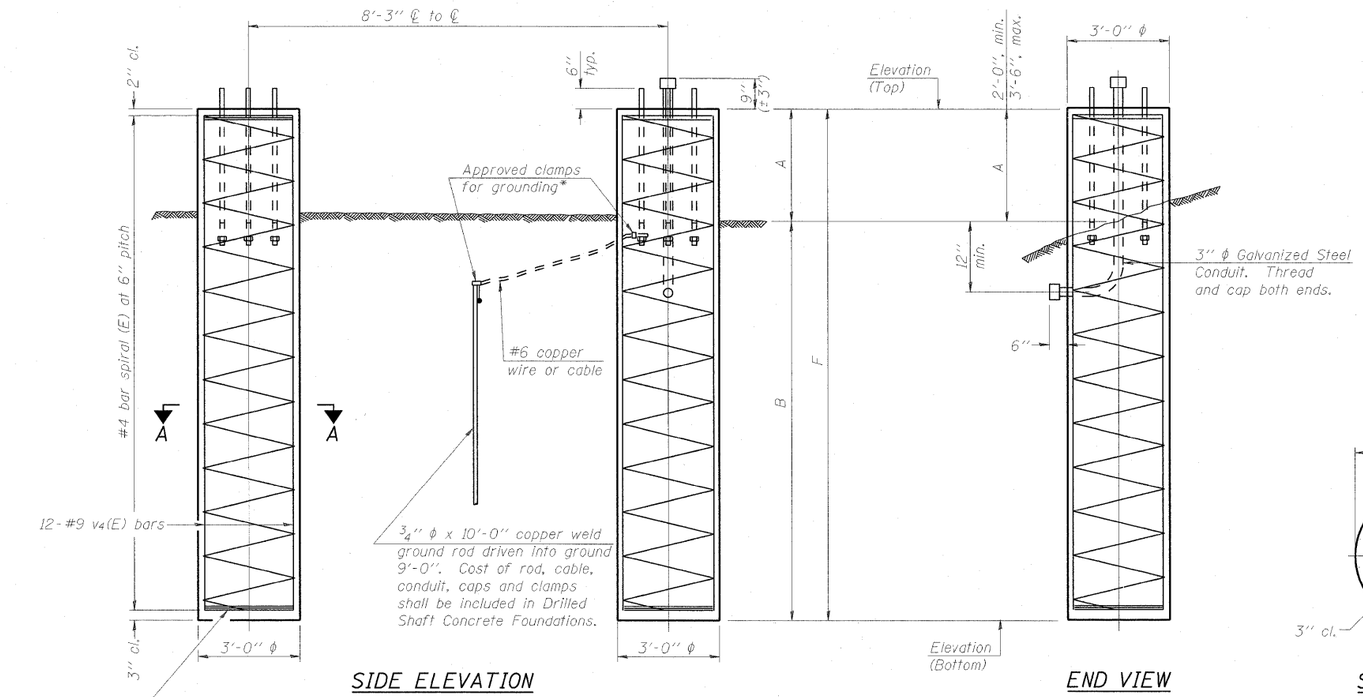
OVERHEAD SIGN STRUCTURES
ALUMINUM HANDRAIL DETAILS

SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS	64	82-1-2HB	ST. CLAIR	345	165
			CONTRACT NO. 76C49		
	FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

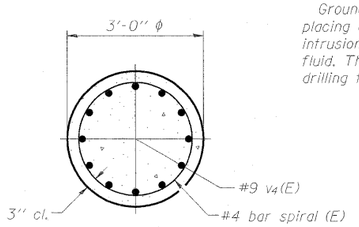
* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SIDE ELEVATION

END VIEW



SECTION A-A

BAR LIST - EACH FOUNDATION

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

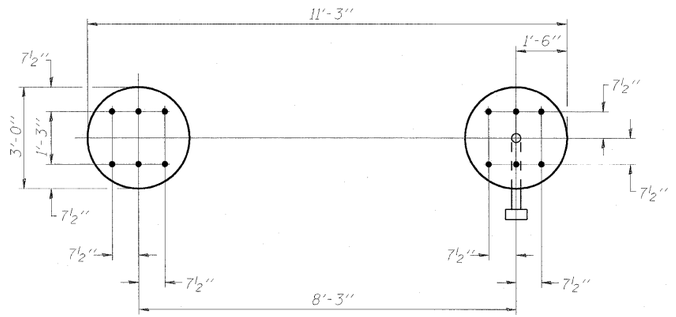
NOTES:

This foundation is a special design and based on soil borings.

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.

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.

Ground water is expected to be encountered at elev 400: the contractor is responsible for placing a monolithic concrete pour for the shaft, with no construction joints, voids or soil-water intrusion. The contractor may decide to drill the shaft with casing in the wet or with drilling fluid. The concrete must be pumped, not tremied, to the bottom of the casing. All water or drilling fluid must be displaced by the concrete pumping prior to casing removal.



PLAN

Structure Number	Station	Left Foundation					Right Foundation					Class DS Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	A	B	F	Elevation Top	Elevation Bottom	A	B	F	
ST CLAIR ST	34+75.00	416.00	388.50	2.50	25.00	27.50	416.00	388.80	2.20	25.00	27.20	28.60

DESIGNED VAM
CHECKED MPW
DRAWN TGF
CHECKED MPW

200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

ENGINEER OF BRIDGES AND STRUCTURES

NUMBER	REVISION	DATE

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

Rev.

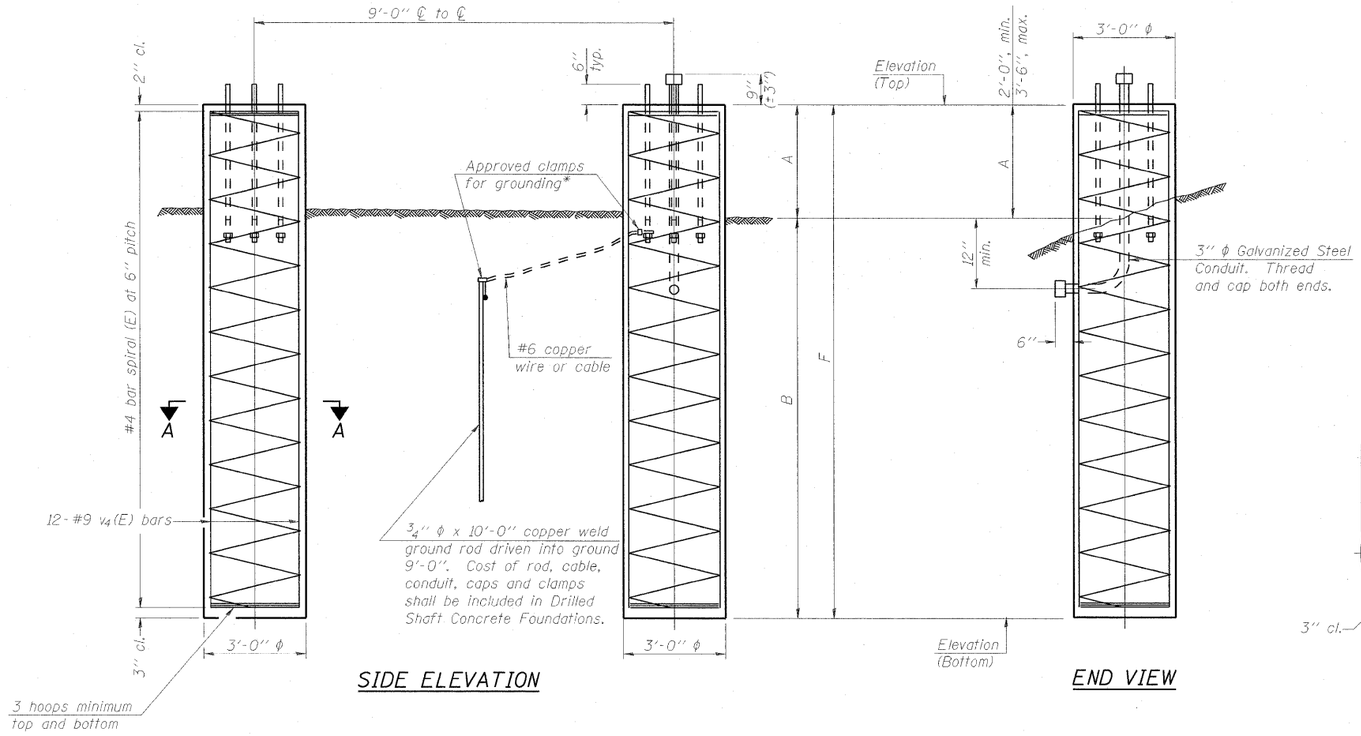
OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS

SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS	64	82-1-2HB	ST. CLAIR	345	166
			CONTRACT NO. 76C49		
	FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

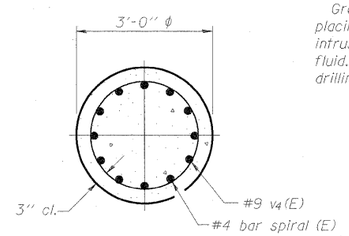
* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SIDE ELEVATION

END VIEW



SECTION A-A

BAR LIST - EACH FOUNDATION

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

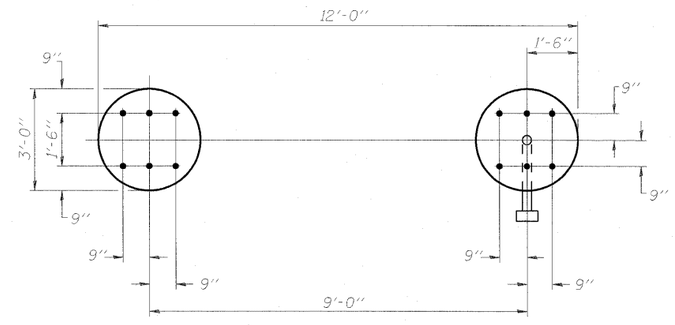
NOTES:

This foundation is a special design and based on soil borings.

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.

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.

Ground water is expected to be encountered at elev 400: the contractor is responsible for placing a monolithic concrete pour for the shaft, with no construction joints, voids or soil-water intrusion. The contractor may decide to drill the shaft with casing in the wet or with drilling fluid. The concrete must be pumped, not tremied, to the bottom of the casing. All water or drilling fluid must be displaced by the concrete pumping prior to casing removal.



PLAN

Structure Number	Station	Left Foundation					Right Foundation					Class DS Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	A	B	F	Elevation Top	Elevation Bottom	A	B	F	
8S082164L003.4	93+20.00	401.00	372.94	3.06	25.00	28.06	401.00	373.23	2.77	25.00	27.77	29.20

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

DESIGNED	VAM
CHECKED	MPW
DRAWN	TGF
CHECKED	MPW

\- 200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

ENGINEER OF BRIDGES AND STRUCTURES

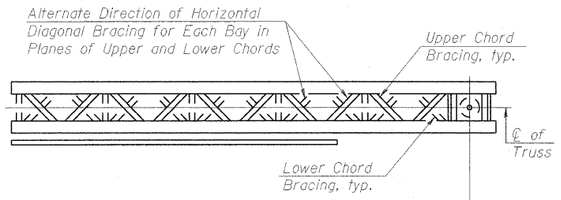
NUMBER	REVISION	DATE

OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS

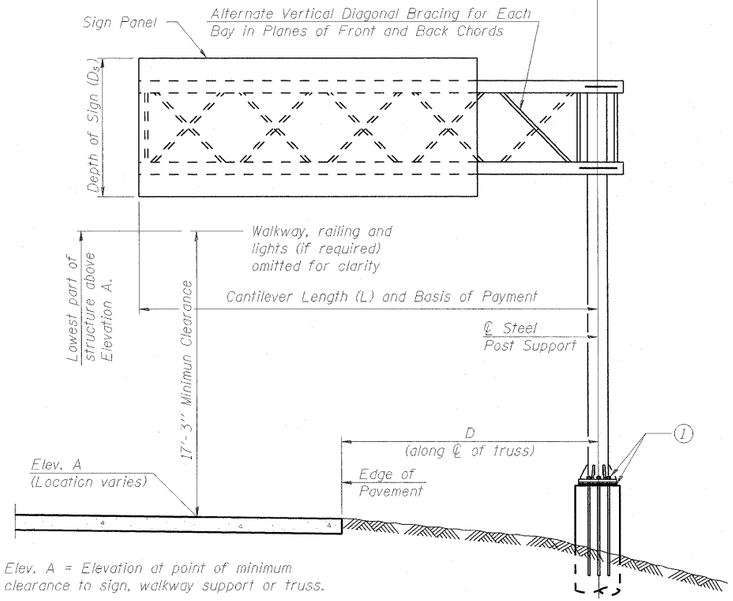
SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS	64	82-1-2HB	ST. CLAIR	345	167
			CONTRACT NO. 76C49		
	FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Rev.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



TYPICAL PLAN
(Walkway not shown)



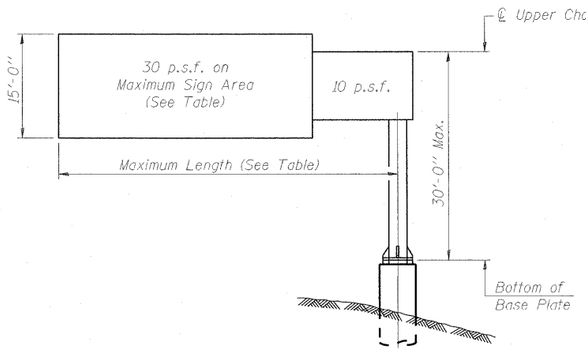
Elev. A = Elevation at point of minimum clearance to sign, walkway support or truss.

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.

Structure Number	Station	Design Truss Type	Cantilever Length (L)	Elev. A	Dim. D	D_s	Total Sign Area
8C082164R003.2	10+00.00	II-C-A	29'-0"	394.69	14'-0"	14'-0"	252 SQ FT

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.

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.
fy = 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 Specificiations.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. 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. 105 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.

FOUNDATIONS: The contract unit price for Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.

* 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	29
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE III-C-A	Foot	
OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	Foot	18
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	16.5

NUMBER	REVISION	DATE

DESIGNED TGF
CHECKED MPW
DRAWN TGF
CHECKED MPW

200

EXAMINED
ENGINEER OF BRIDGE DESIGN

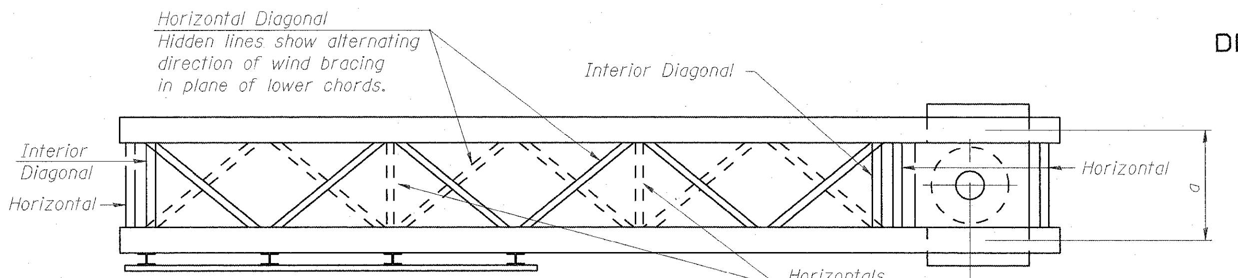
PASSED
ENGINEER OF BRIDGES AND STRUCTURES

OSC-A-1 12-1-08

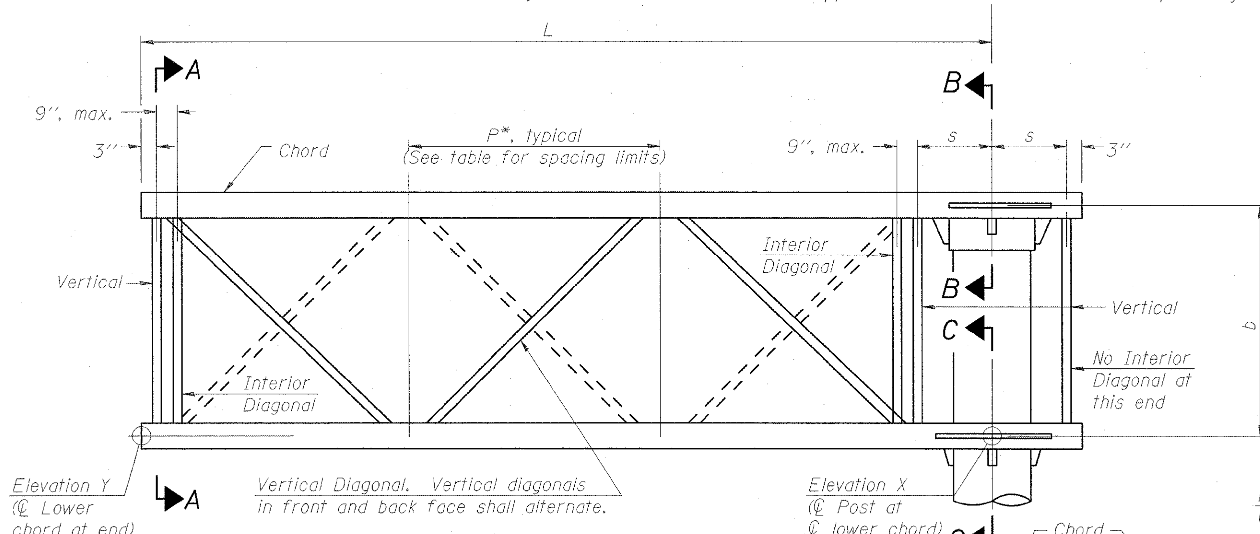
CANTILEVER SIGN STRUCTURES
GENERAL PLAN & ELEVATION
ALUMINUM TRUSS & STEEL POST

SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS	64	82-1-2HB	ST. CLAIR	345	168
			CONTRACT NO. 76C49		
	FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

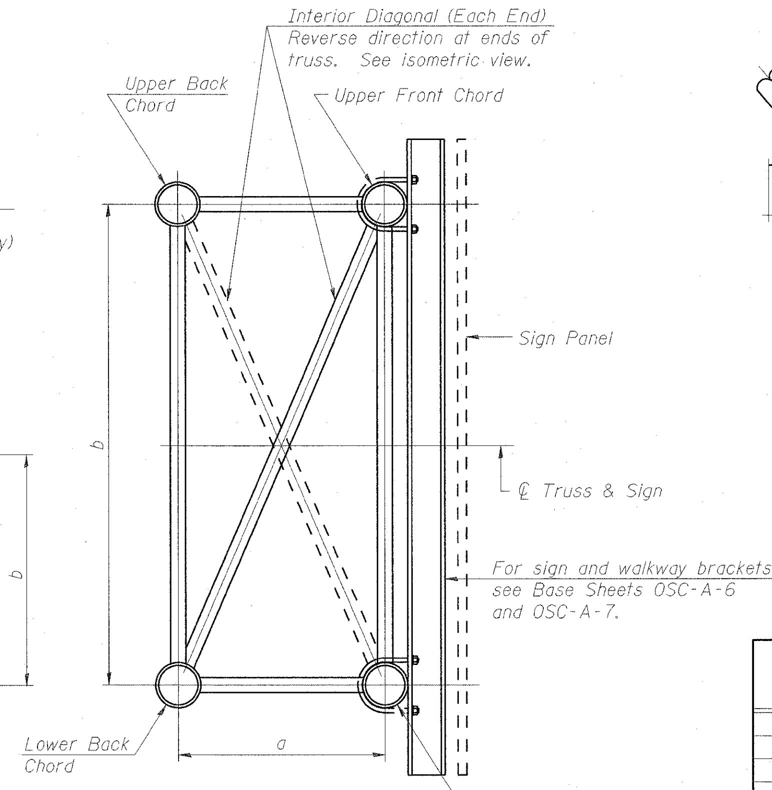


PLAN
(Walkway not shown)

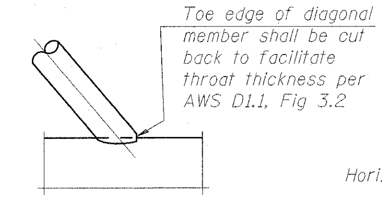


ELEVATION
(Sign and walkway omitted for clarity)

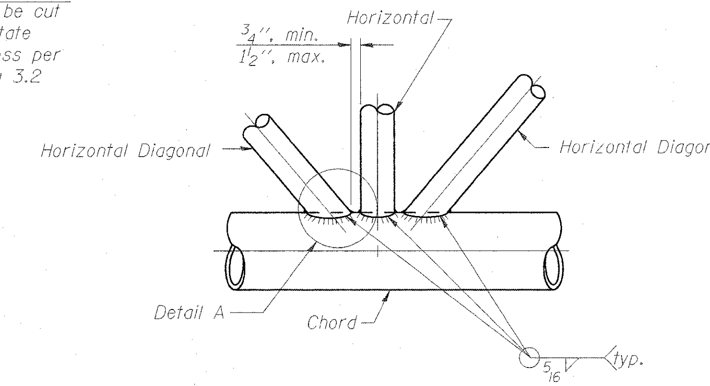
TYPICAL TRUSS UNIT
For Section B-B and Section C-C, see Base Sheet OSC-A-3.



SECTION A-A



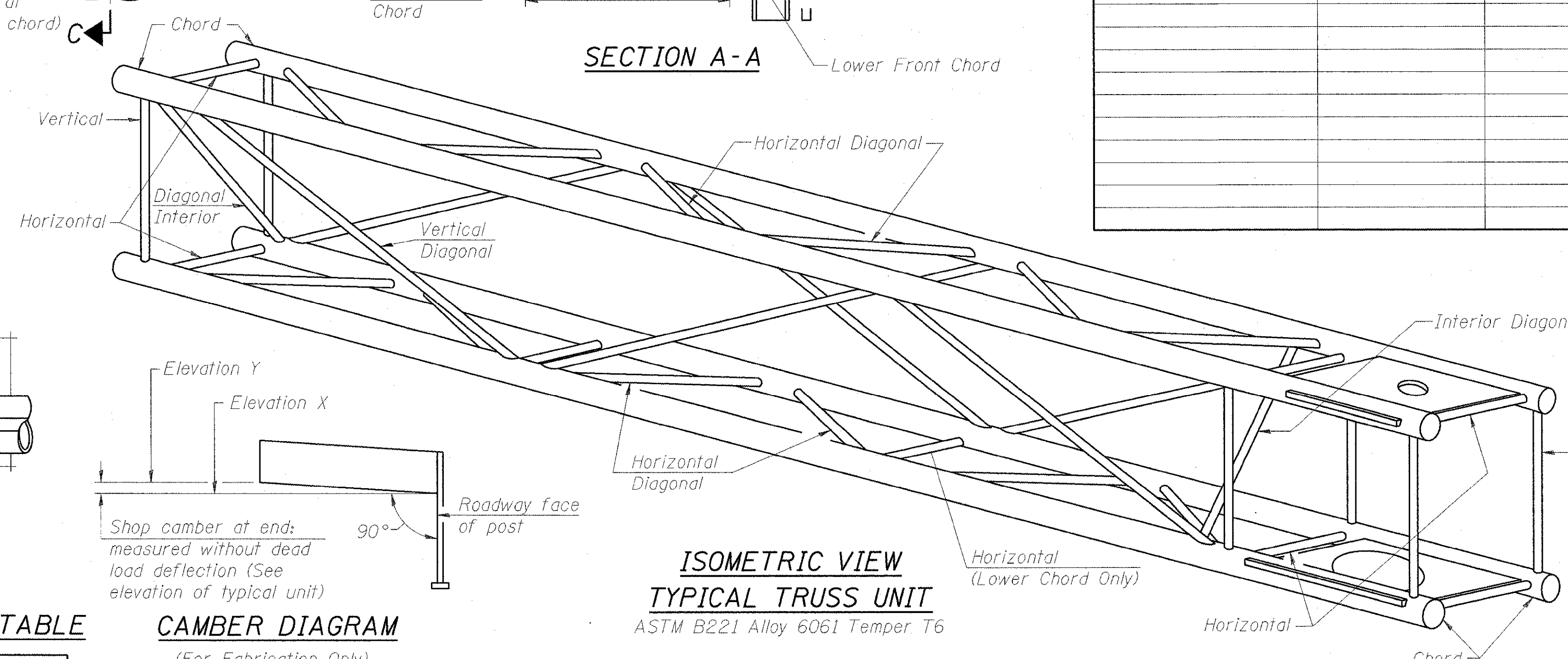
DETAIL A



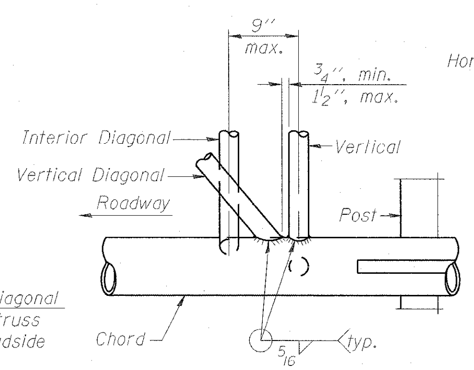
TRUSS INTERIOR JOINT DETAIL

Structure Number	Station	Truss Type	Design Length (L)	Number of Panels Per Unit	Panel Length (P)*
8C082I64R003.2	10+00.00	II-C-A	29′-0″	6	4′-6″

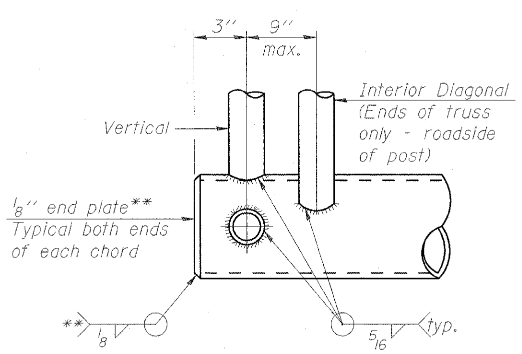
Note:
There are twice as many horizontal diagonals as there are vertical diagonals.



ISOMETRIC VIEW
TYPICAL TRUSS UNIT
ASTM B221 Alloy 6061 Temper T6



POST END JOINT DETAIL



CANTILEVER END JOINT DETAIL
** Contractor may alternatively use standard aluminum drive-fit cap to close ends.

CAMBER DIAGRAM
(For Fabrication Only)

SHOP CAMBER TABLE

Unit Length (L)	Shop Camber at End
15′	1½″
16′-17′	1¾″
18′-20′	2″
21′-22′	2¼″
23′-25′	2½″
26′-27′	2¾″
28′-30′	3″
31′-32′	3¼″
33′-35′	3½″
36′-37′	4″
38′-40′	4½″

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″	2½″	5/16″
II-C-A	36″	66″	21″	42″ min. to 54″ max.	6½″	5/16″	3¼″	5/16″
III-C-A (35′ Max.)	36″	84″	21″	48″ min. to 66″ max.	7″	3/8″	3½″	3/8″
III-C-A (>35′ to 40′)	36″	84″	21″	48″ min. to 66″ max.	8″	3/8″	3½″	3/8″

$$*P = \frac{L - s - 3''}{\#\ Panels}$$

NUMBER	REVISION	DATE

DESIGNED	TGF
CHECKED	MPW
DRAWN	TGF
CHECKED	MPW

- 200
EXAMINED
ENGINEER OF BRIDGE DESIGN
PASSED
ENGINEER OF BRIDGES AND STRUCTURES

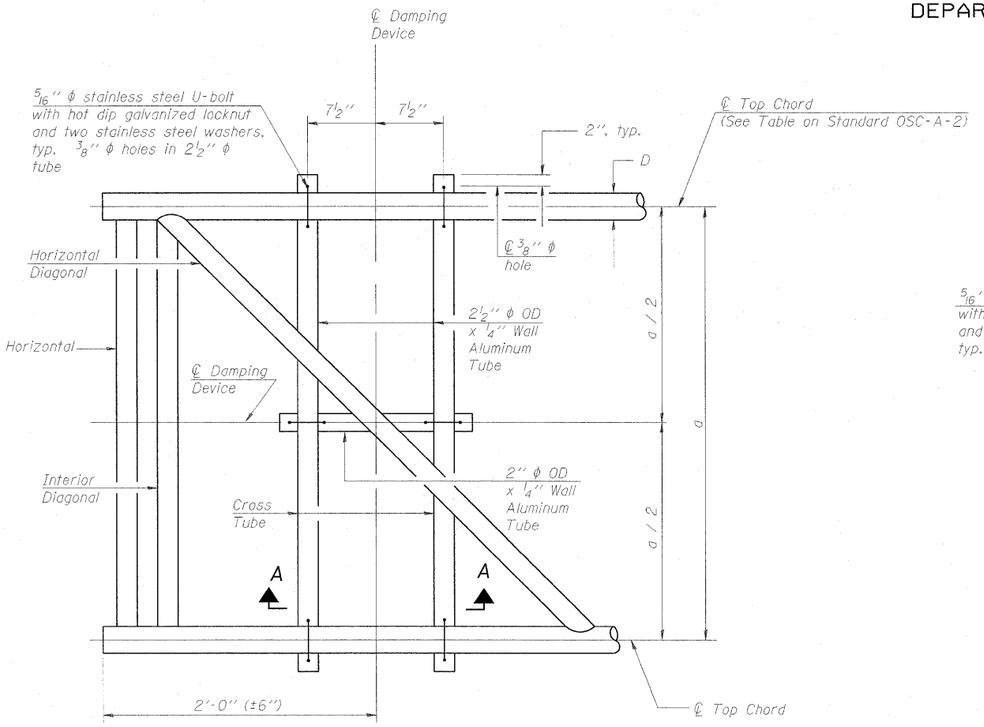
OSC-A-2 12-1-08

CANTILEVER SIGN STRUCTURES
TRUSS DETAILS
ALUMINUM TRUSS & STEEL POST

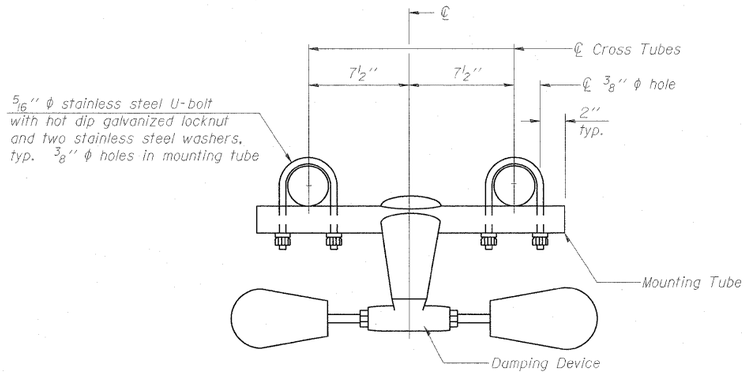
SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS	64	82-1-2HB	ST. CLAIR	345	169
			CONTRACT NO. 76C49		

FED ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

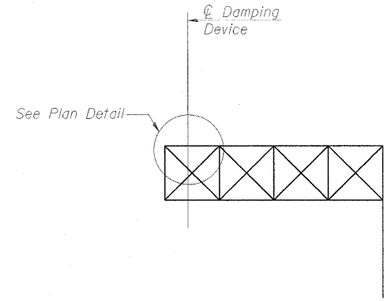
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



PLAN DETAIL



TRUSS DAMPING DEVICE CONNECTION DETAIL

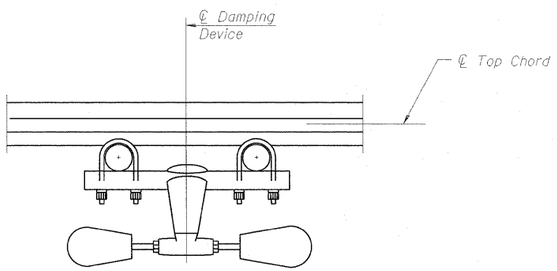


ELEVATION
Aluminum Cantilever Sign Structure

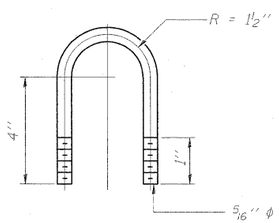
GENERAL NOTES

Damper: One damper per truss. (31 lbs. Stockbridge-Type Aluminum-29" minimum between ends of weights)

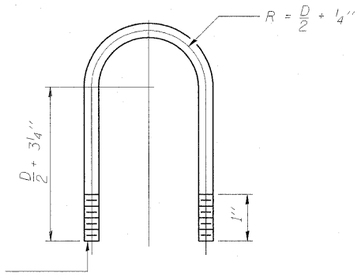
Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6



SECTION A-A



DAMPING DEVICE MOUNTING TUBE U-BOLT DETAIL
(Typical)



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

DESIGNED	TGF
CHECKED	MPW
DRAWN	TGF
CHECKED	MPW

- 200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

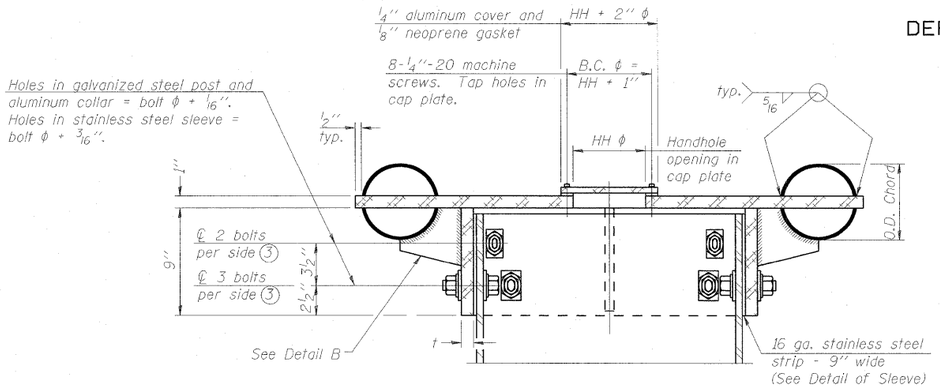
ENGINEER OF BRIDGES AND STRUCTURES

OSC-A-D 12-1-08

CANTILEVER SIGN STRUCTURE
DAMPING DEVICE

SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS	64	82-1-2HB	ST. CLAIR	345	170
			CONTRACT NO. 76C49		
	FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

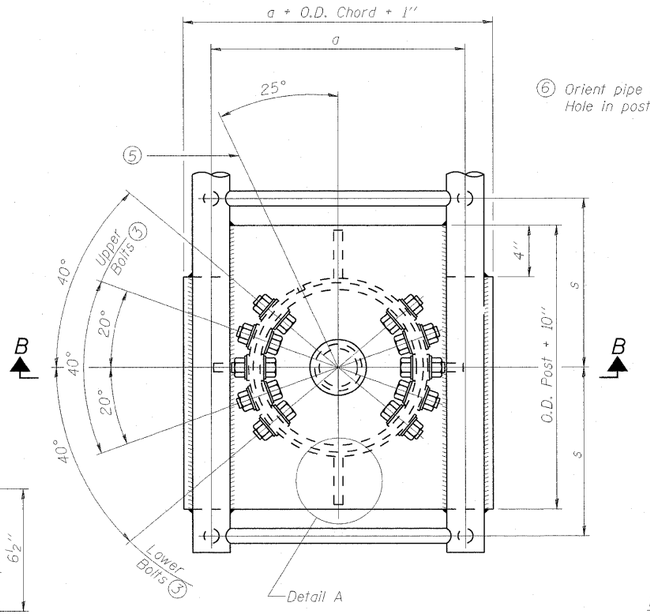
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SECTION B-B

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

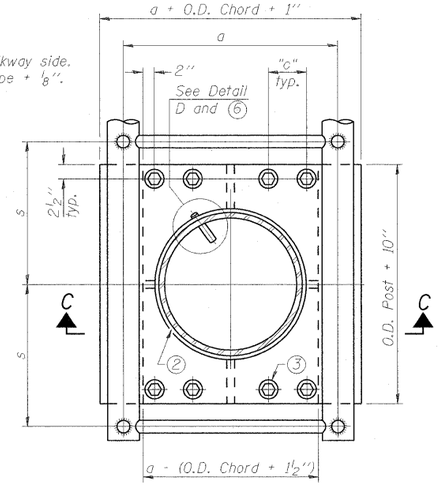
(4) Collar I.D. shall be manufactured to correspond to O.D. of actual galvanized post and stainless steel sleeve plus 1/8" (±1/16"). Maximum gap between post and collar at any location equals 1/8" before tightening bolts.



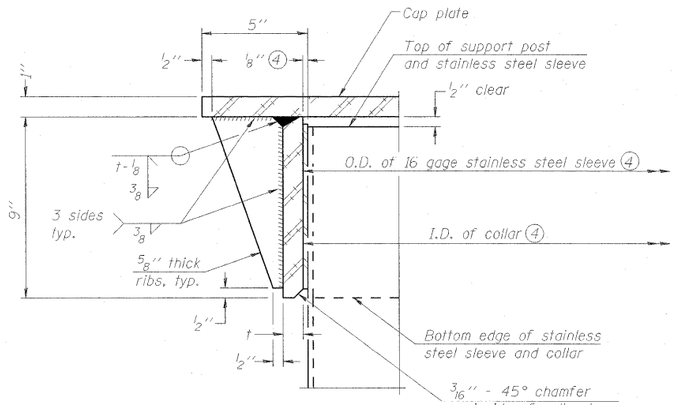
PLAN VIEW - TOP OF COLUMN

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

(6) Orient pipe toward walkway side. Hole in post = O.D. pipe + 1/8".

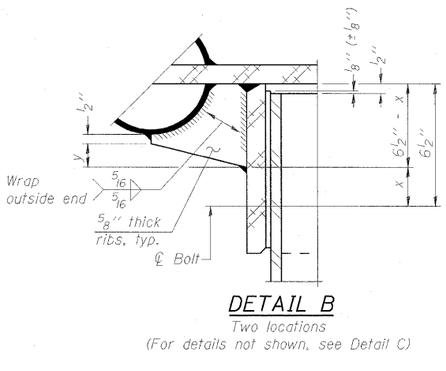


SECTION THRU POST ABOVE LOWER CHORDS



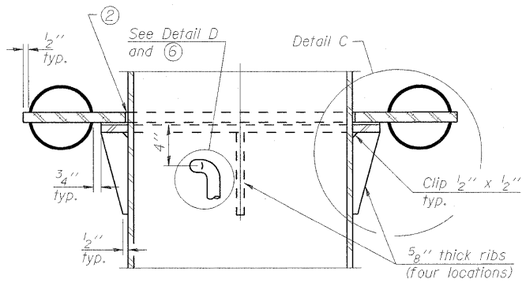
DETAIL A

(Two locations)

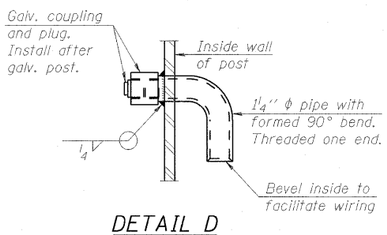


DETAIL B

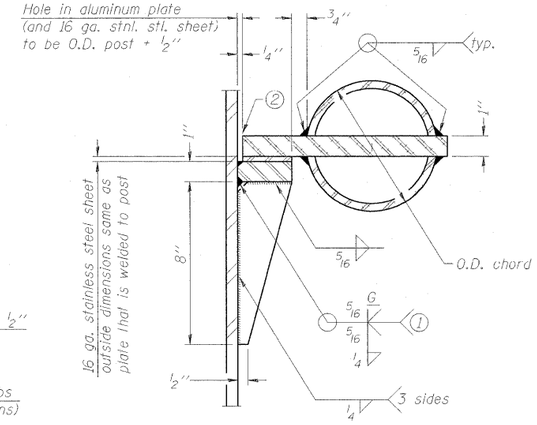
Two locations
(For details not shown, see Detail C)



SECTION C-C



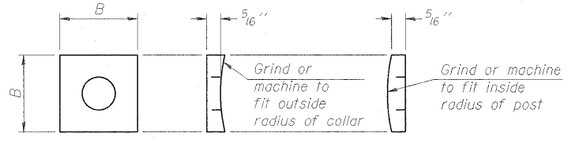
DETAIL D



DETAIL C

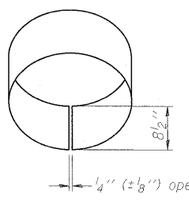
(1) Grind top if required to fully seat aluminum plate and stainless steel sheet.

(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.



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"



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 1/2" long at 6" cts. along top edge and at 1/4" opening.

Truss Type	Post Size	Upper & Lower Connection Bolt Diameter (3)	Lower Juncture Bolt Spacing Dimension "c" (3)	Opening in Cap Plate "HH"	Collar Thickness (t)	Side Ribs	
						x	y
I-C-A	16" ϕ (83#/')	7/8"	3 1/4"	8"	5/8"	1 3/4"	2 1/4"
II-C-A	24" ϕ (125#/')	1"	3 1/2"	12"	7/8"	2"	1 1/4"
III-C-A (35' max.)	24" ϕ (125#/')	1 1/4"	3 1/2"	12"	7/8"	2"	1"
III-C-A (>35' to 40')	24" ϕ (171#/')	1 1/4"	3 1/2"	12"	7/8"	2"	1"

(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.

DESIGNED	TGF
CHECKED	MPW
DRAWN	TGF
CHECKED	MPW

- 200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

ENGINEER OF BRIDGES AND STRUCTURES

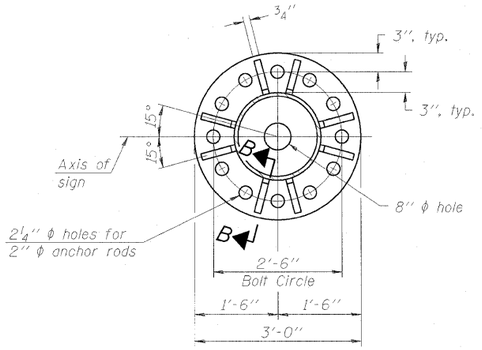
OSC-A-3 12-1-08

NUMBER	REVISION	DATE

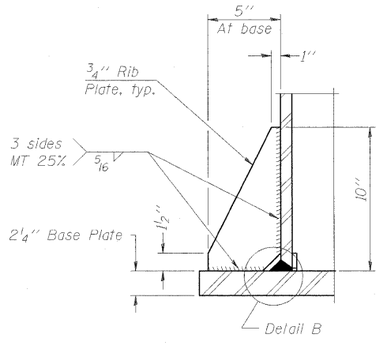
CANTILEVER SIGN STRUCTURES
JUNCTURE DETAILS
ALUMINUM TRUSS & STEEL POST

SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS	64	82-1-2HB	ST. CLAIR	345	171
			CONTRACT NO. 76C49		
	FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

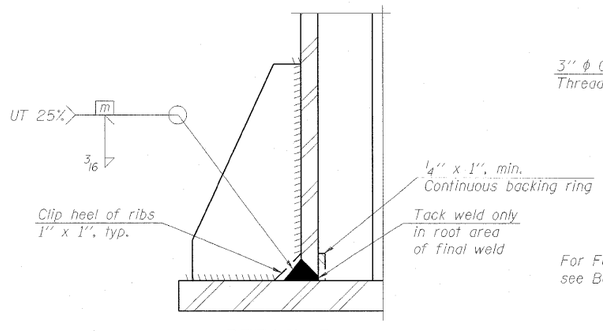
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



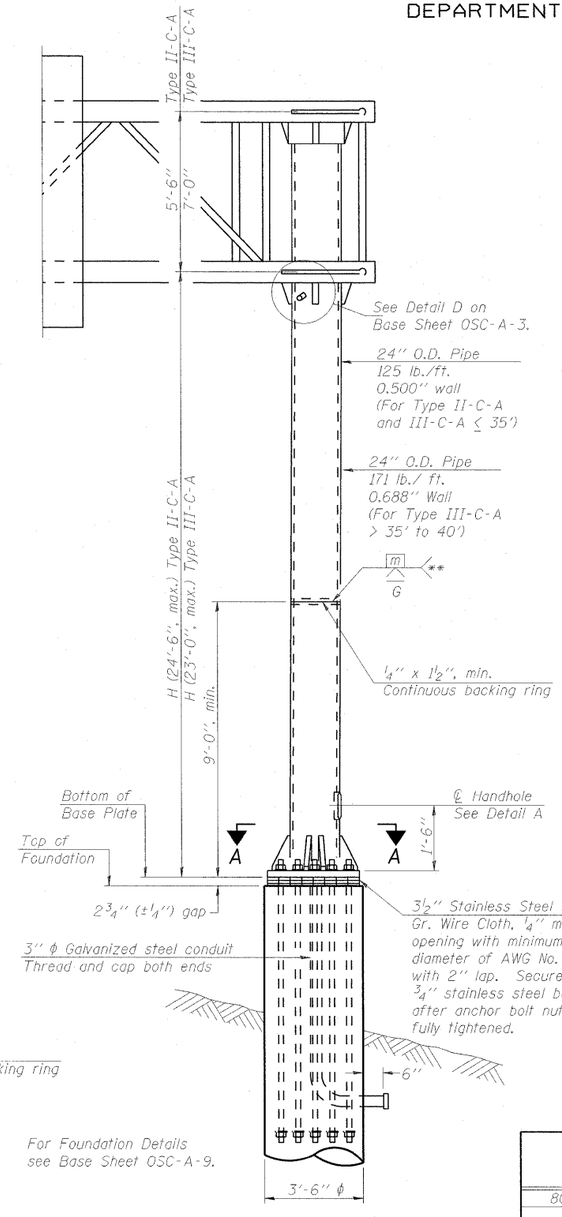
SECTION A-A



SECTION B-B

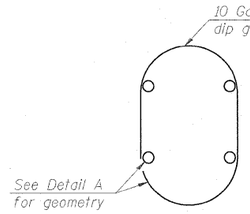


DETAIL B
(Typical rib)

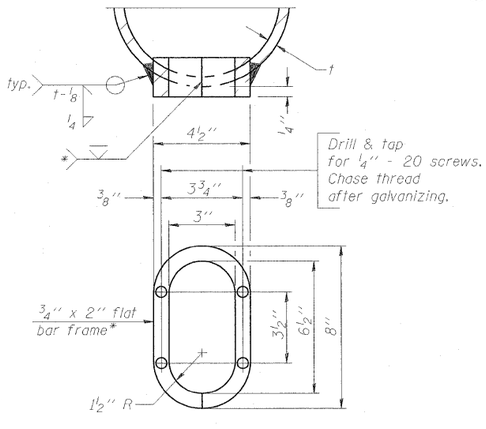


FRONT ELEVATION

For Foundation Details see Base Sheet OSC-A-9.



HANDHOLE COVER

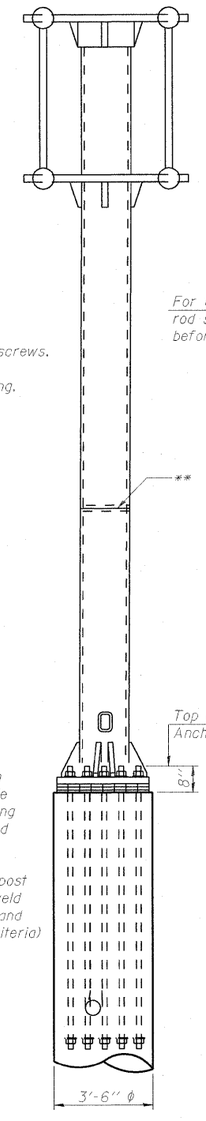


Provide 8" x 4 1/2" cover. Outside corners = 2 1/4" radius. Provide 4-5/16" ϕ holes in cover for 1/4" - 20 round head hot dip galvanized or stainless steel machine screws. (See cover details.)

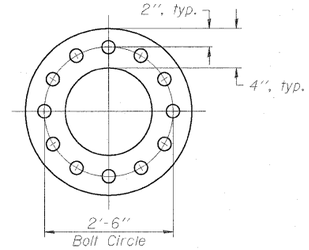
DETAIL A

* Bent bars may be butt welded top and bottom or bottom only. 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 μin or less.

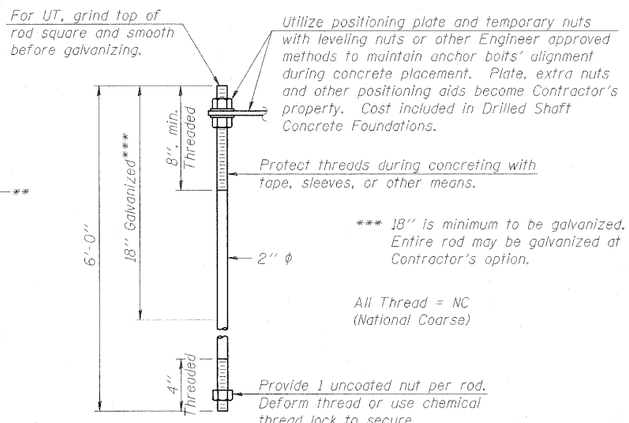
** Butt welded joint in post is only allowed for post heights (H) over 20 ft. in length. If used, weld procedure must be preapproved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.



SIDE ELEVATION



SUGGESTED POSITIONING PLATE



ANCHOR ROD DETAIL

Anchor rods shall conform to AASHTO M314 Grade 105 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
8C082I64R003.2	10+00.00	22'-0"

Note: "H" based on 15'-0" or actual sign height, whichever is greater.

NUMBER	REVISION	DATE

DESIGNED TGF
CHECKED MPW
DRAWN TGF
CHECKED MPW

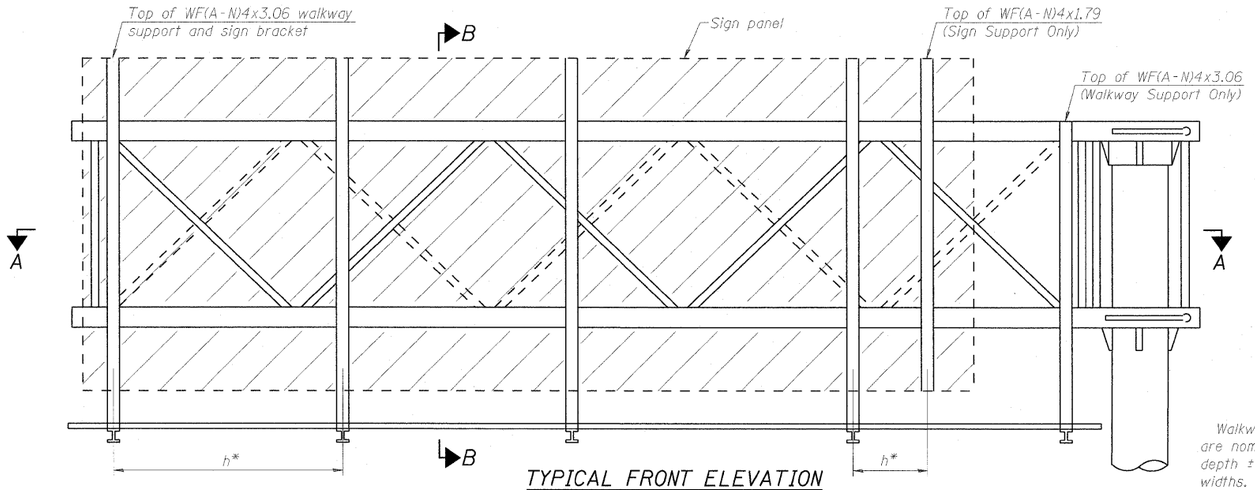
\- 200
EXAMINED
ENGINEER OF BRIDGE DESIGN
PASSED
ENGINEER OF BRIDGES AND STRUCTURES

OSC-A-5 12-1-08

CANTILEVER SIGN STRUCTURES
TYPE II-C-A & III-C-A TRUSS SUPPORT POST
ALUMINUM TRUSS & STEEL POST

SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS	64	82-1-2HB	ST. CLAIR	345	172
			CONTRACT NO. 76C49		
	FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

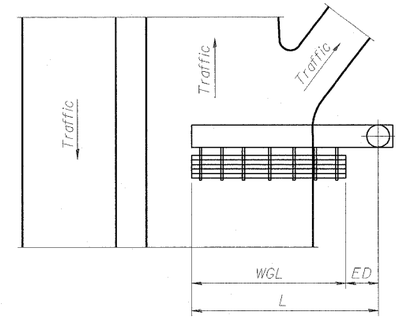
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



TYPICAL FRONT ELEVATION

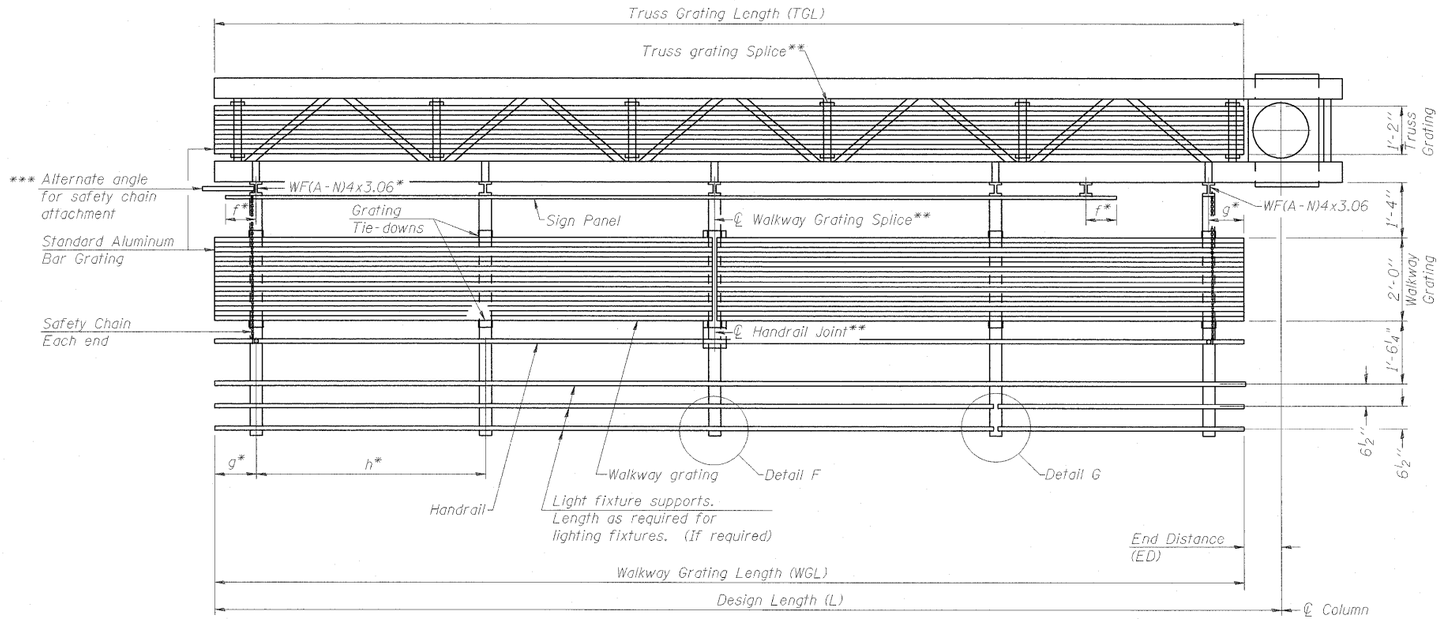
With lights and handrail omitted for clarity.

Walkway and truss grating dimensions are nominal and may vary (width ±½", depth ±½") based on available standard widths.



PLAN
WALKWAY AND HANDRAIL SKETCH

(Road plan beneath truss varies)



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 joints or grating splices are optional, based on lengths needed and material availability.

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

NUMBER	REVISION	DATE

Structure Number	Station	WGL	ED	TGL
8C082164R003.2	10+00.00	18'-0"	12'-0"	18'-0"

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. See alternate safety chain attachment on base sheet OSC-A-8

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 joint, safety chain and Details F and G, see Base Sheet OSC-A-8.

BRACKET TABLE

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

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

DESIGNED	TGF
CHECKED	MPW
DRAWN	TGF
CHECKED	MPW

- 200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

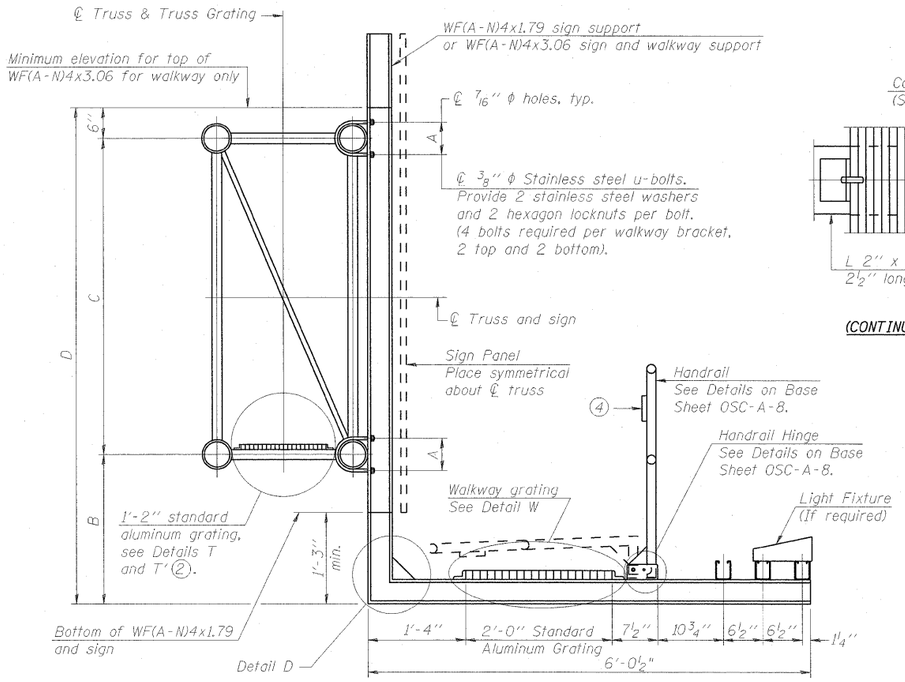
ENGINEER OF BRIDGES AND STRUCTURES

OSC-A-6 12-1-08

CANTILEVER SIGN STRUCTURES
ALUMINUM WALKWAY DETAILS
ALUMINUM TRUSS & STEEL POST

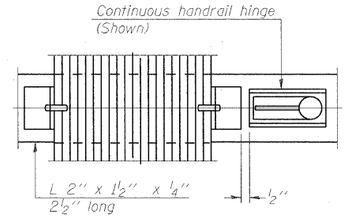
SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS	64	82-1-2HB	ST. CLAIR	345	173
			CONTRACT NO. 76C49		
	FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

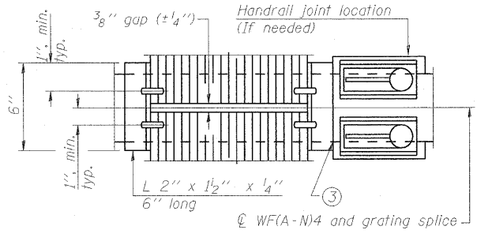


SECTION B-B

Sign shall be even with the top of the bracket, but it may extend no more than 6" above the top of the bracket for field adjustments.

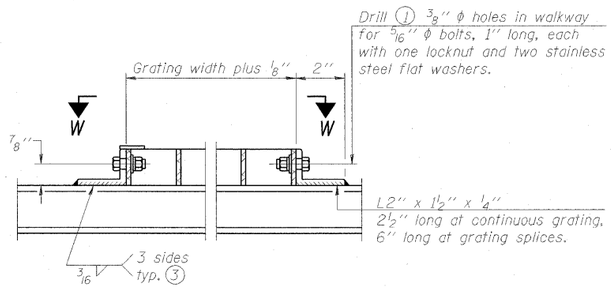


(CONTINUOUS WALKWAY GRATING)

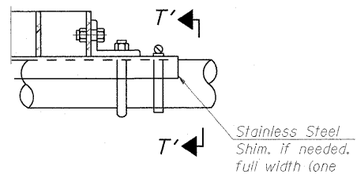


(AT WALKWAY GRATING SPLICE)

SECTION W-W



DETAIL W
(Walkway grading)



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.

SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars (MBB) shall be 3/16" x 1½" on 1 3/16" centers and conform to ASTM B211 Alloy 6061-T6.

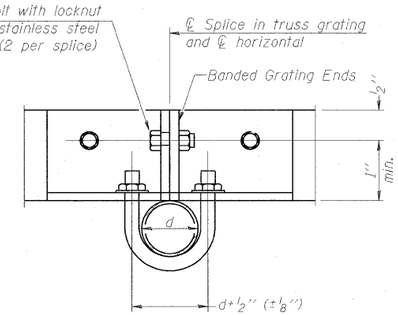
Cross bars (CB) shall be 3/16" x 1½" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR

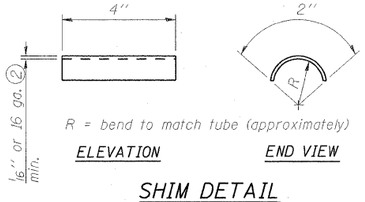
Aluminum Grating with modified "t" sections for main bearing bars shall meet the following requirements:

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 1½", spaced on 1 3/16" centers.

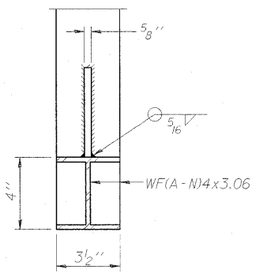
Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.



SECTION T'-T'

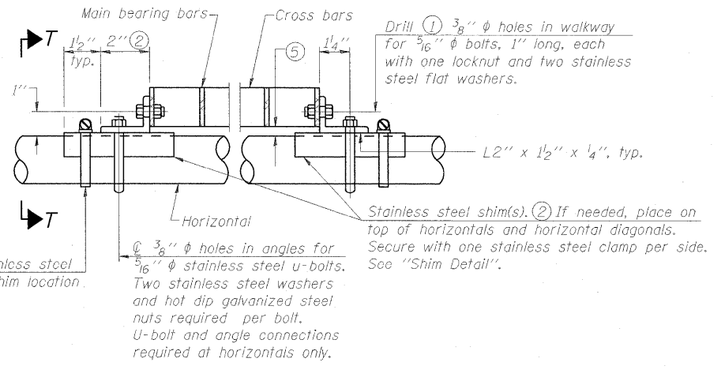


SHIM DETAIL

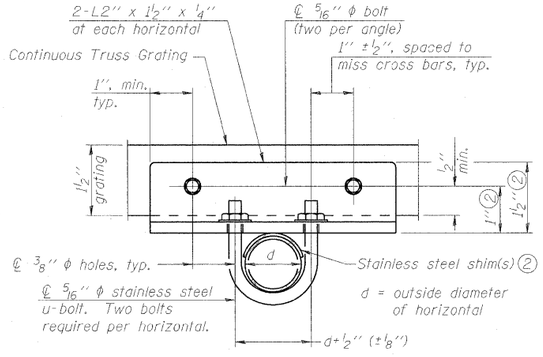


SECTION D-S

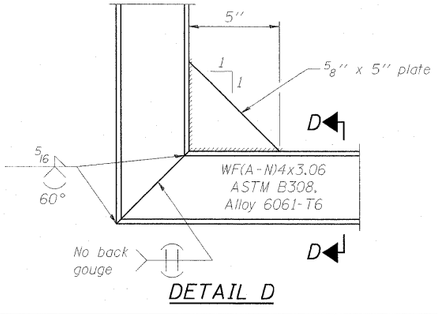
Screw type stainless steel tube clamp at shim location



DETAIL T
(Continuous Truss grating)



SECTION T-T



DETAIL D

Structure Number	Station	A	(6) B	C	(6) D
8C082164R003.2	10+00.00	6½"	6'-9"	5'-6"	12'-9"

1. Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.
2. Stainless steel shims shall be placed as shown in Detail T if needed to compensate for alignment variations between horizontal and diagonal pipes beyond adjustment provided by angles. Thicker shims may be used subject to shims performing properly.
3. If Handrail Joint present, weld angle to WF(A-N)4 and ¼" extension bars. (See Base Sheet OSC-A-8.)
4. ℞ ⅛" x ½" x 2" welded to handrail posts to protect locations that contact grating.
5. Tube to grating gap may vary from 0 to ½", max. to align walkway, allow for camber, etc.
6. Based on actual sign height. D_S, given on OSC-A-1.

NUMBER	REVISION	DATE

DESIGNED	TGF
CHECKED	MPW
DRAWN	TGF
CHECKED	MPW

200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

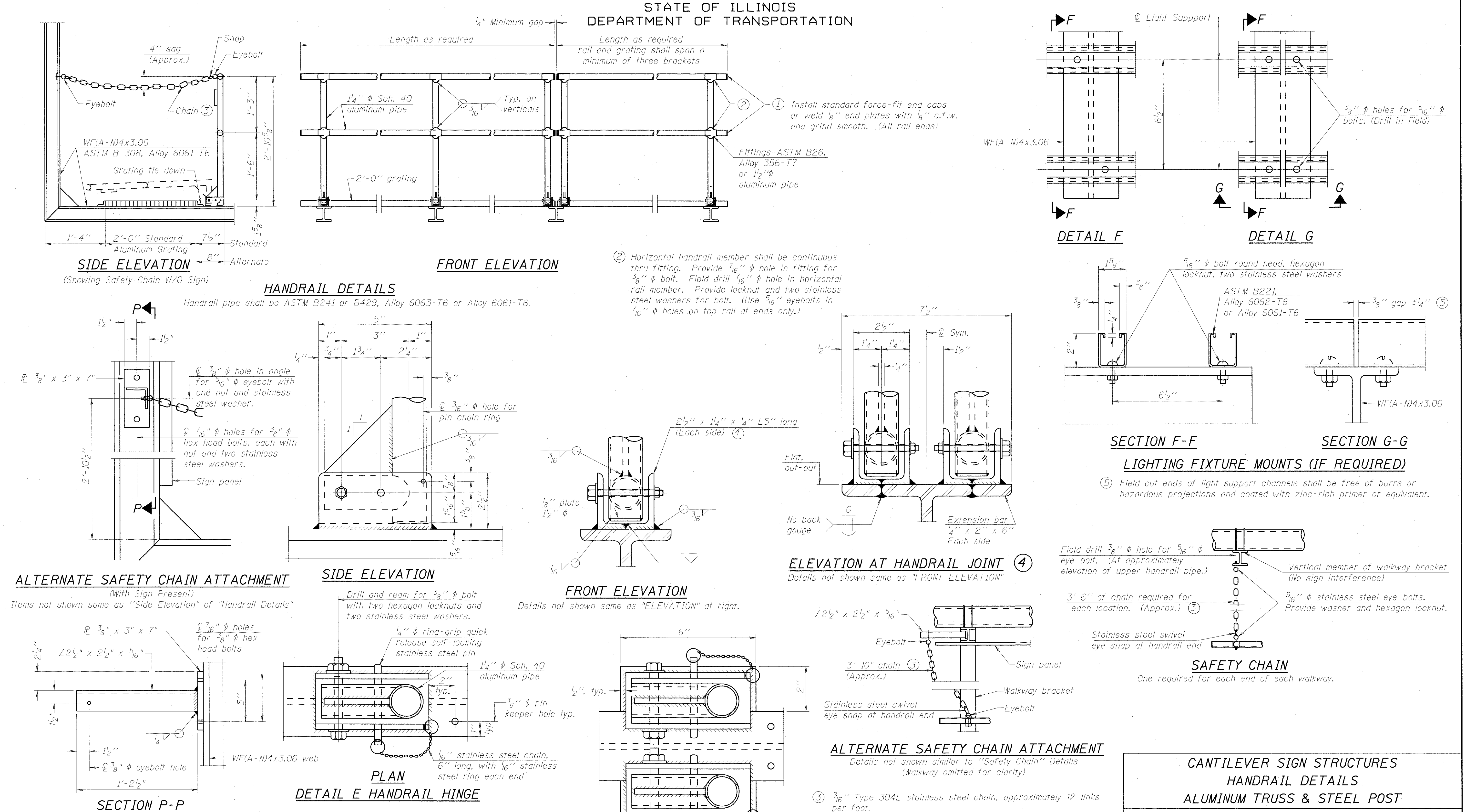
ENGINEER OF BRIDGES AND STRUCTURES

OSC-A-7 6-1-09

CANTILEVER SIGN STRUCTURES
WALKWAY DETAILS
ALUMINUM TRUSS & STEEL POST

SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS	64	82-1-2HB	ST. CLAIR	345	174
			CONTRACT NO. 76C49		
	FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Snap
4" sag (Approx.)
Eyebolt
Eyebolt
Chain ③
1'-3"
2'-10 5/8"
1'-6"
WF(A-N)4x3.06
ASTM B-308, Alloy 6061-T6
Grating tie down
1'-4"
2'-0" Standard Aluminum Grating
7 1/2" Standard
8" Alternate
1 5/8"
SIDE ELEVATION
(Showing Safety Chain W/O Sign)
1/4" Minimum gap
Length as required
Length as required rail and grating shall span a minimum of three brackets
1 1/4" φ Sch. 40 aluminum pipe
3/16 Typ. on verticals
②
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)
Fittings-ASTM B26, Alloy 356-T7 or 1 1/2" φ aluminum pipe
2'-0" grating
FRONT ELEVATION
HANDRAIL DETAILS
Handrail pipe shall be ASTM B241 or B429, Alloy 6063-T6 or Alloy 6061-T6.
② Horizontal handrail member shall be continuous thru fitting. Provide 7/16" φ hole in fitting for 3/8" φ bolt. Field drill 7/16" φ hole in horizontal rail member. Provide locknut and two stainless steel washers for bolt. (Use 5/16" eyebolts in 7/16" φ holes on top rail at ends only.)
P
1 1/2"
1 1/2"
PL 3/8" x 3" x 7"
℄ 3/8" φ hole in angle for 5/16" φ eyebolt with one nut and stainless steel washer.
℄ 7/16" φ holes for 3/8" φ hex head bolts, each with nut and two stainless steel washers.
Sign panel
2'-10 1/2"
ALTERNATE SAFETY CHAIN ATTACHMENT
(With Sign Present)
Items not shown same as "Side Elevation" of "Handrail Details"
5"
1/4"
3/4"
1"
1 3/4"
3"
2 1/4"
1"
3/8"
℄ 3/16" φ hole for pin chain ring
3/16
3/8"
7/8"
1 5/16"
1 5/8"
2 1/2"
5/16"
SIDE ELEVATION
2 1/2" x 1 1/4" x 1/4" L5" long (Each side) ④
3/16
1/8" plate 1 1/2" φ
3/16
1/16
FRONT ELEVATION
Details not shown same as "ELEVATION" at right.
7 1/2"
2 1/2"
1 1/4"
1 1/4"
1/2"
1/4"
℄ Sym.
1 1/2"
Flat, out-out
No back gouge
G
Extension bar 1/4" x 2" x 6" Each side
ELEVATION AT HANDRAIL JOINT ④
Details not shown same as "FRONT ELEVATION"
PL 3/8" x 3" x 7"
℄ 7/16" φ holes for 3/8" φ hex head bolts
∠2 1/2" x 2 1/2" x 5/16"
2 1/4"
5"
1/4
1 1/2"
1 1/2"
℄ 3/8" φ eyebolt hole
1'-2 1/2"
WF(A-N)4x3.06 web
SECTION P-P
Drill and ream for 3/8" φ bolt with two hexagon locknuts and two stainless steel washers.
1/4" φ ring-grip quick release self-locking stainless steel pin
1 1/4" φ Sch. 40 aluminum pipe
2" typ.
3/8" φ pin keeper hole typ.
1" typ.
1/16" stainless steel chain, 6" long, with 1/16" stainless steel ring each end
PLAN
DETAIL E HANDRAIL HINGE
6"
1/2", typ.
2"
PLAN AT HANDRAIL JOINT
Details not shown same as "PLAN"
∠2 1/2" x 2 1/2" x 5/16"
Eyebolt
3'-10" chain ③ (Approx.)
Sign panel
Walkway bracket
Stainless steel swivel eye snap at handrail end
Eyebolt
ALTERNATE SAFETY CHAIN ATTACHMENT
Details not shown similar to "Safety Chain" Details
(Walkway omitted for clarity)
F
℄ Light Suppport
F
6 1/2"
WF(A-N)4x3.06
3/8" φ holes for 5/16" φ bolts. (Drill in field)
G
G
F
F
DETAIL F
DETAIL G
1 5/8"
3/8"
3/8"
1/4"
2"
5/16" φ bolt round head, hexagon locknut, two stainless steel washers
ASTM B221, Alloy 6062-T6 or Alloy 6061-T6
6 1/2"
3/8" gap ±1/4" ⑤
WF(A-N)4x3.06
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.
Field drill 3/8" φ hole for 5/16" φ eye-bolt. (At approximately elevation of upper handrail pipe.)
Vertical member of walkway bracket (No sign interference)
3'-6" of chain required for each location. (Approx.) ③
5/16" φ stainless steel eye-bolts. Provide washer and hexagon locknut.
Stainless steel swivel eye snap at handrail end
SAFETY CHAIN
One required for each end of each walkway.

③ 3/16" Type 304L stainless steel chain, approximately 12 links per foot.

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

DESIGNED	TGF
CHECKED	MPW
DRAWN	TGF
CHECKED	MPW

OSC-A-8 12-1-08

200
EXAMINED
ENGINEER OF BRIDGE DESIGN
PASSED
ENGINEER OF BRIDGES AND STRUCTURES

NUMBER	REVISION	DATE

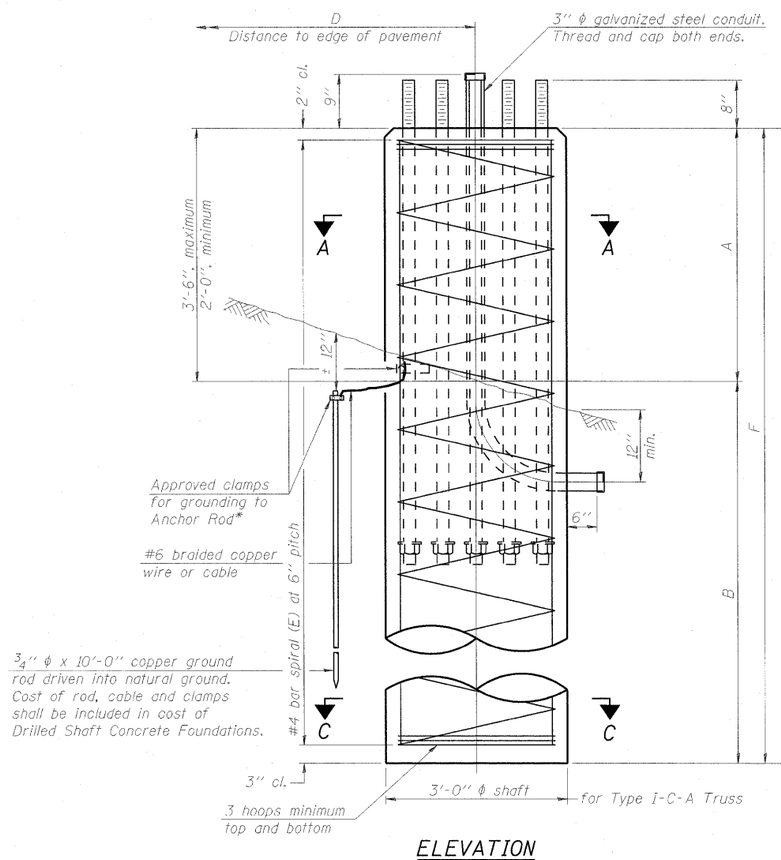
CANTILEVER SIGN STRUCTURES
HANDRAIL DETAILS
ALUMINUM TRUSS & STEEL POST

SHEET NO. / SHEETS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	64	82-1-2HB	ST. CLAIR	345	175
			CONTRACT NO. 76C49		

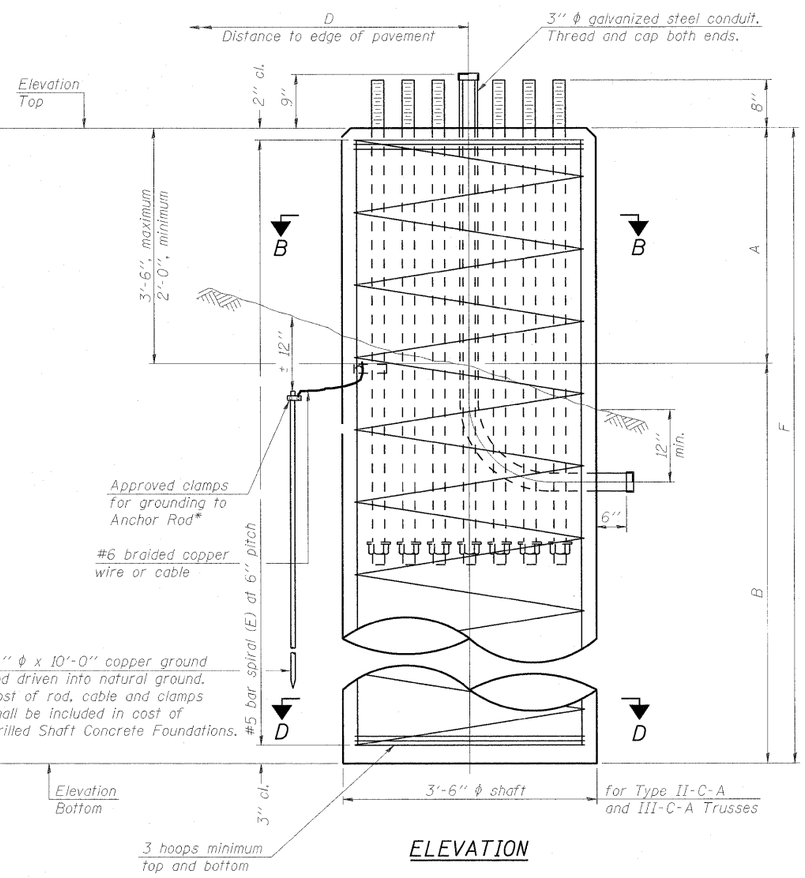
FED ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

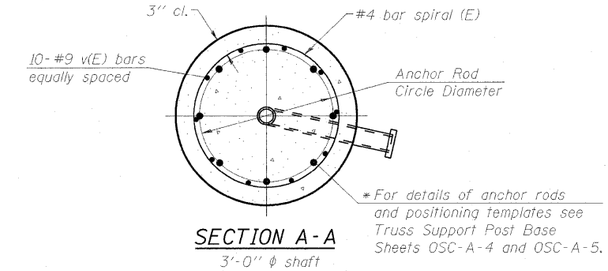
* Grind anchor rod to bright finish at ground clamp location before installing clamp.



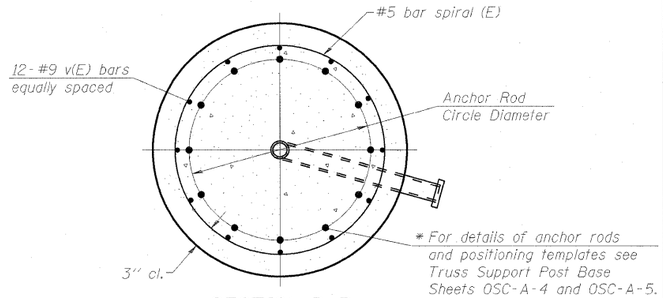
ELEVATION



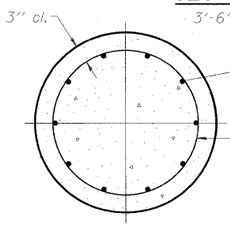
ELEVATION



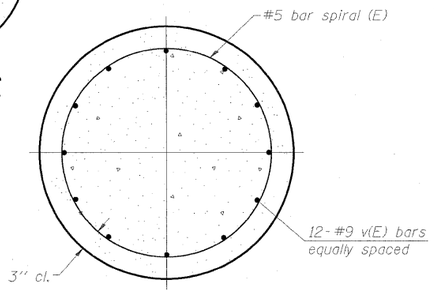
SECTION A-A
3'-0" ϕ shaft



SECTION B-B
3'-6" ϕ shaft



SECTION C-C
3'-0" ϕ shaft



SECTION D-D
3'-6" ϕ shaft

NOTES:

This foundation is a special design and based on soil borings.

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.

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.

Ground water is expected to be encountered at elev 400: the contractor is responsible for placing a monolithic concrete pour for the shaft, with no construction joints, voids or soil-water intrusion. The contractor may decide to drill the shaft with casing in the wet or with drilling fluid. The concrete must be pumped, not tremied, to the bottom of the casing. All water or drilling fluid must be displaced by the concrete pumping prior to casing removal.

FOUNDATION DATA TABLE

Structure Number	Station	Truss Type	Shaft Diameter	Elevation Top	Elevation Bottom	A	B	F	Class DS Concrete Cubic Yards
8C082164R003.2	10+00.00	II-C-A	3.5	396.50	375.25	3.25	36.00	39.25	14.0

FOUNDATION DESIGN TABLE

Truss Type	Post Base Sheet	Maximum CantileverLength (ft)	Maximum Total Sign Area (sq ft)	Shaft Diameter (in)	"B" Depth (ft)	Anchor Rods No.	Anchor Rods Diameter (in)	Anchor Rod Circle 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	VAM
CHECKED	MPW
DRAWN	TGF
CHECKED	MPW

\- 200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

ENGINEER OF BRIDGES AND STRUCTURES

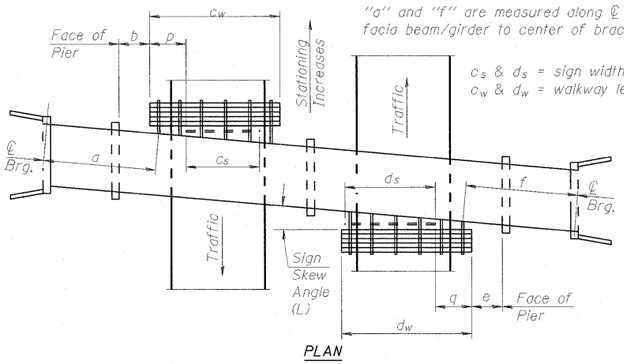
NUMBER	REVISION	DATE

Rev.

CANTILEVER SIGN STRUCTURES
DRILLED SHAFT
ALUMINUM TRUSS & STEEL POST

SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS	64	82-1-2HB	ST. CLAIR	345	176
			CONTRACT NO. 76C49		
	FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



"a" and "f" are measured along ℄ of facia beam/girder to center of bracket

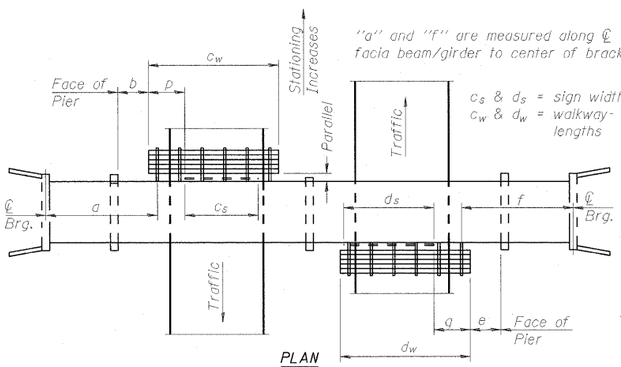
c_s & d_s = sign width
c_w & d_w = walkway lengths

PLAN

(Left Sign Skew > 15°)

WALKWAY AND HANDRAIL SKETCH

(Road plan beneath structure varies.)



"a" and "f" are measured along ℄ of facia beam/girder to center of bracket

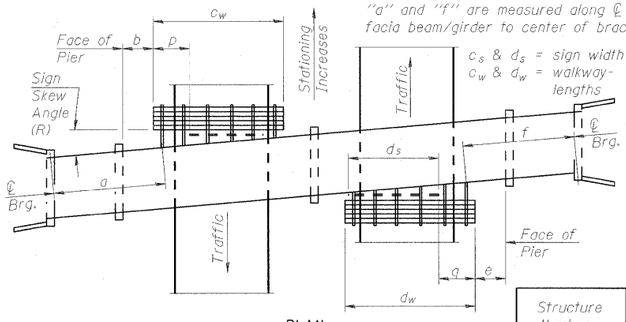
c_s & d_s = sign width
c_w & d_w = walkway lengths

PLAN

(For Sign Skew ≤ 15°, all brackets constant)

WALKWAY AND HANDRAIL SKETCH

(Road plan beneath structure varies.)



"a" and "f" are measured along ℄ of facia beam/girder to center of bracket

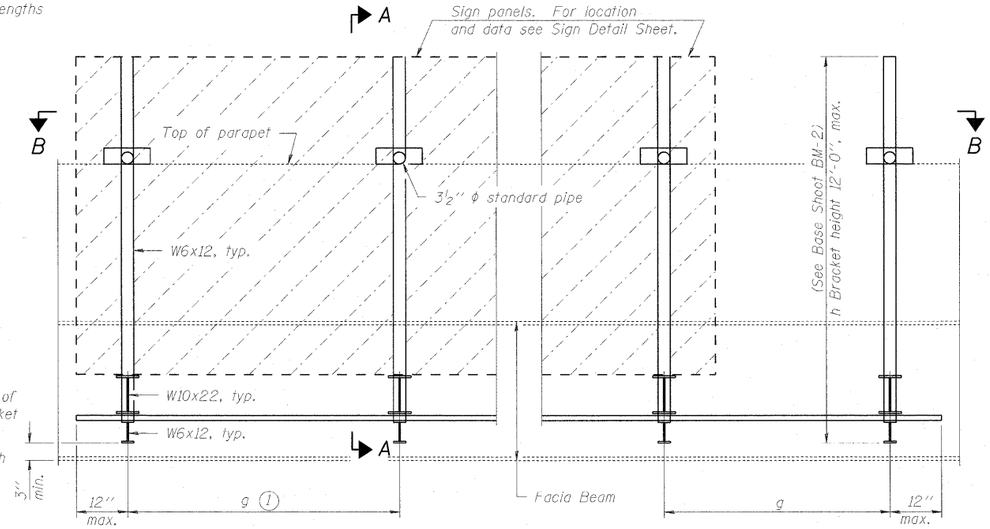
c_s & d_s = sign width
c_w & d_w = walkway lengths

PLAN

(Right Sign Skew > 15°)

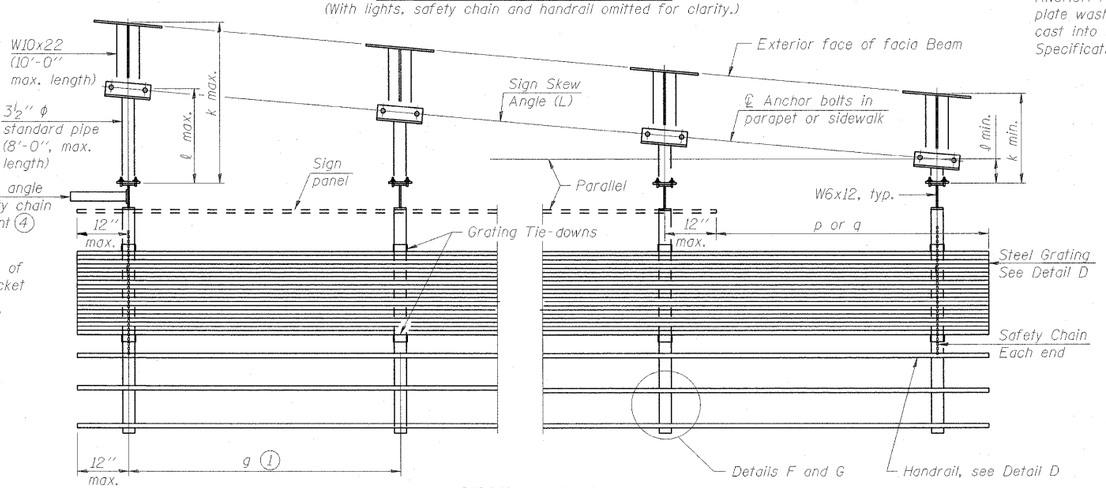
WALKWAY AND HANDRAIL SKETCH

(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)
8B082164R003.3	-	48+40.35	082-0377	I-64	-	-	-	-	16'	21'	-	58'-3"	5'-0"	5	-	5'-0"	21'-0"

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).

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: 90 M.P.H. WIND VELOCITY

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 Specificiations.

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, $\frac{3}{4}$" 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".

(1) Bracket spacing g ≤ 6'-0", max. Spacing shall be uniform if possible but may vary ±6" to miss existing obstruction (rail post, light poles, web stiffeners, splice plates, etc.). Adjust bracket lengths accordingly on skewed structures.
(2) Any design modifications shall be based on the current version of applicable specifications and submitted for the Engineer's approval.
(3) 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 (cw, dw) unless otherwise specified. For Safety Chain Details and Details D, F and G, see Base Sheet BM-4.
(4) If walkway bracket at safety chain location is behind sign, add angle to bracket. See detail on Base Sheet BM-4.

NUMBER	REVISION	DATE

TOTAL BILL OF MATERIAL

(3) OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	Foot	19'-3"

DESIGNED	TGF
CHECKED	MPW
DRAWN	TGF
CHECKED	MPW

- 200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

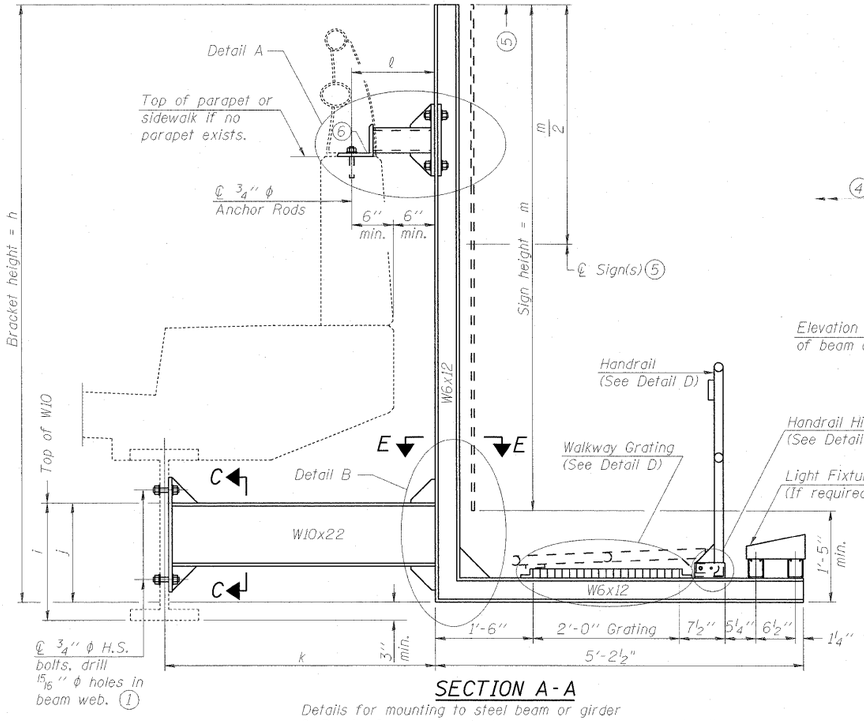
ENGINEER OF BRIDGES AND STRUCTURES

BM-1 12-1-08

BRIDGE MOUNT SIGN STRUCTURES
GENERAL PLAN AND ELEVATION

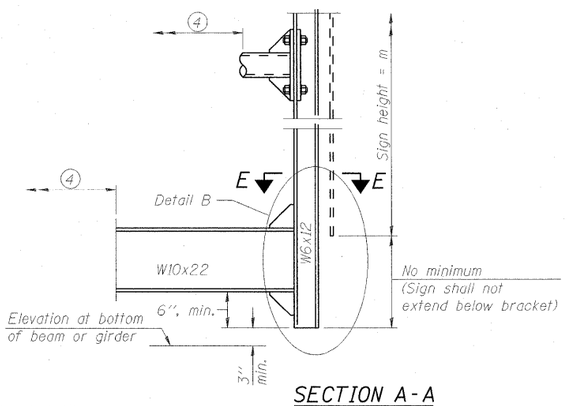
SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS	64	82-1-2HB	ST. CLAIR	345	177
			CONTRACT NO. 76C49		
	FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SECTION A-A

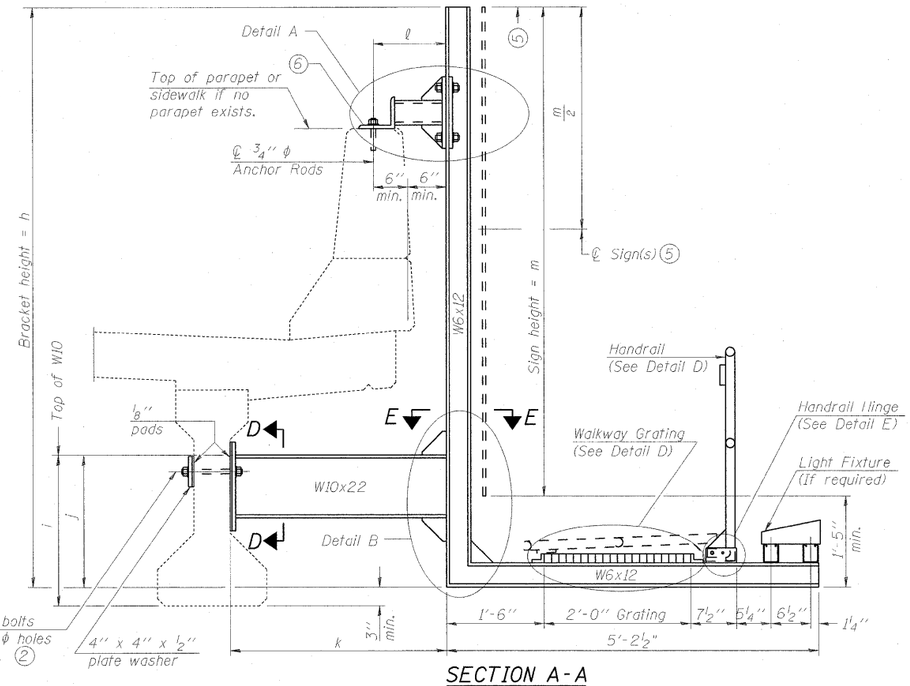
Details for mounting to steel beam or girder
& Details for mounting with existing parapet mounted rail



SECTION A-A

Alternate with no lights or walkways

(4) For attachment details of 3½" pipe and W10x22, see other sections as applicable.



SECTION A-A

Details for mounting to PPC I Beam or Bulb "T"
& Details for mounting to parapet w/o rail

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. 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.

Structure Number	Station	h	i	j	k max. (10'-0" max.)	ℓ max. (8'-0" max.)	m (15'-0" max.)
8B082164R003.3	48+40.35	9'-5"	2'-5"	1'-4"	4'-1"	1'-0"	8'-0"

For Details A & B, Sections C-C, D-D and E-E, see Base Sheet BM-3.
For Details D & E, see Base Sheet BM-4.

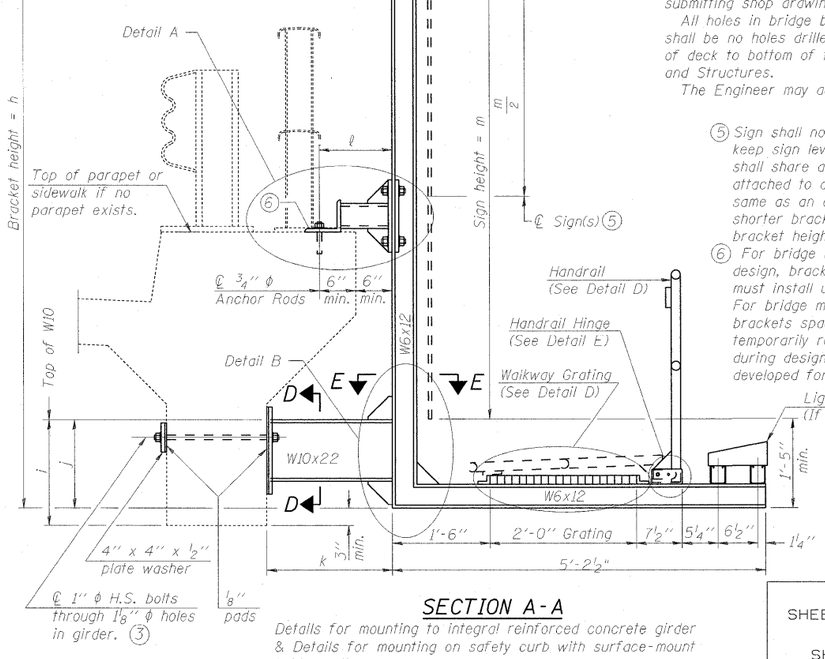
(1) Holes in new steel members may be drilled in the fabrication shop or in the field. Field drill existing members.

(2) 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.

(3) 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 ¼" deep or beyond the coverage of the 4x4 plate washer shall be repaired with epoxy mortar before installing washer.

(5) 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.)

(6) 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 structrues 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.



SECTION A-A

Details for mounting to integral reinforced concrete girder
& Details for mounting on safety curb with surface-mount bridge rail

DESIGNED	TGF
CHECKED	MPW
DRAWN	TGF
CHECKED	MPW

- 200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

ENGINEER OF BRIDGES AND STRUCTURES

BM-2 12-1-08

NUMBER	REVISION	DATE

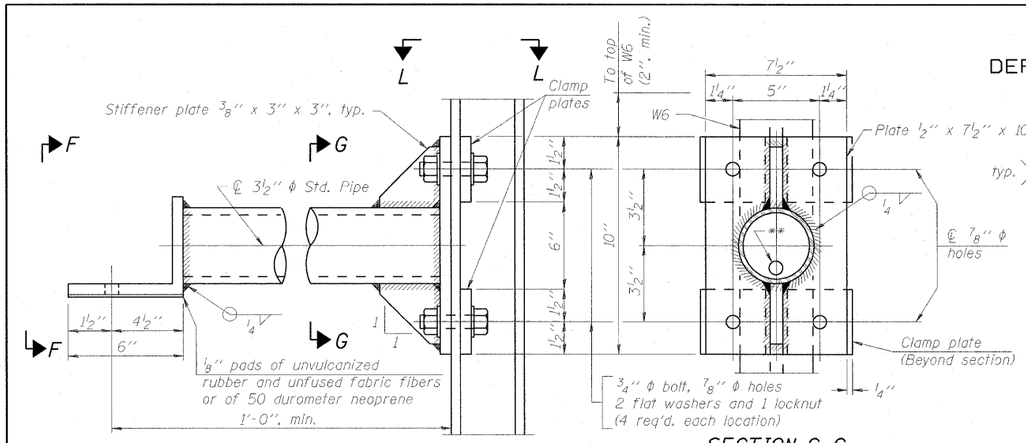
BRIDGE MOUNT SIGN STRUCTURES WALKWAY AND CONNECTION DETAILS

SHEET NO.

SHEETS

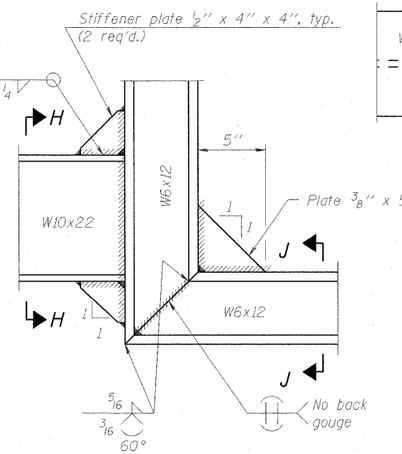
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	178
		CONTRACT NO. 76C49		
FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

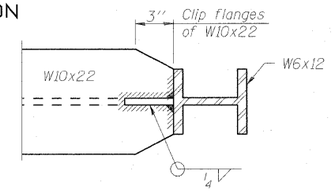


DETAIL A

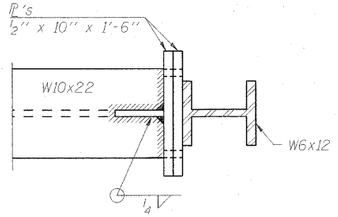
SECTION G-G



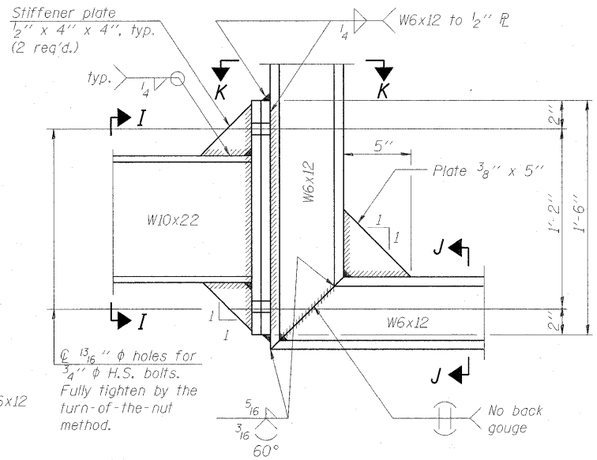
DETAIL B - WELDED W10x22 TO W6x12 CONNECTION



SECTION E-E

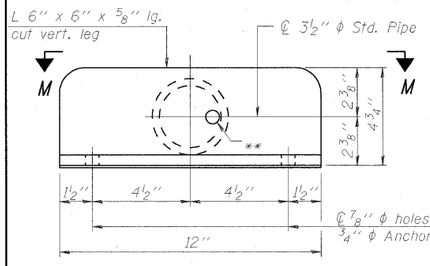


SECTION K-K

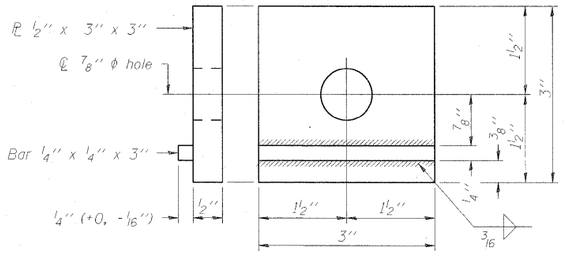


DETAIL B - ALTERNATE BOLTED W10x22 TO W6x12 CONNECTION

Alternate may be substituted by contractor to facilitate construction or galvanizing, especially on long struts for skewed bridges.

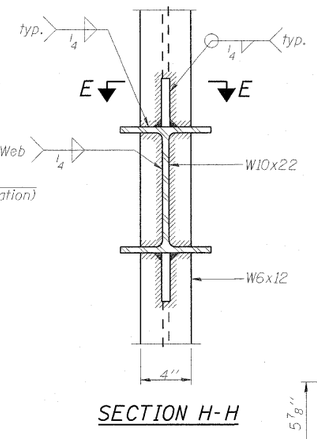


VIEW F-F

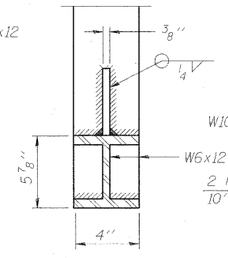


CLAMP PLATE DETAILS

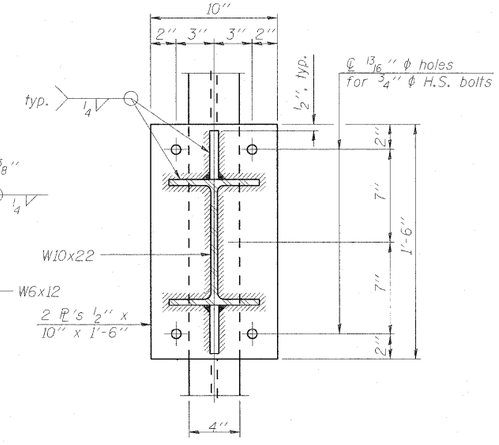
** 13/16" ϕ holes for galvanizing. After galvanizing, install ⅞" ϕ A307 hot-dip galvanized bolt to close hole in angle. (No bolt required in ½" plate.)



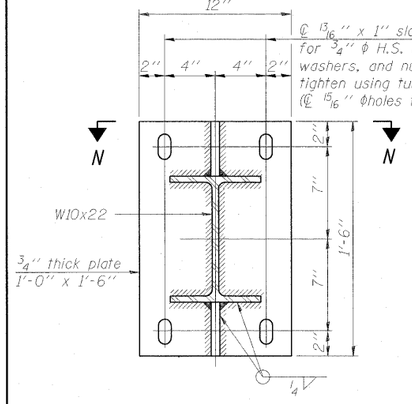
SECTION H-H



SECTION J-J

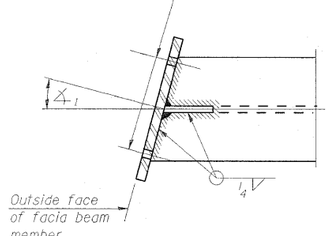


SECTION I-I



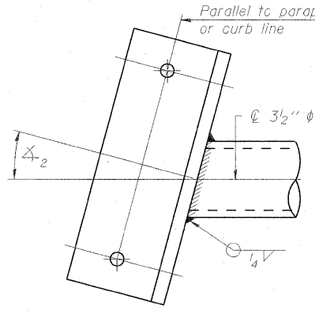
SECTION C-C

Steel beam or girder connection plate details



SECTION N-N

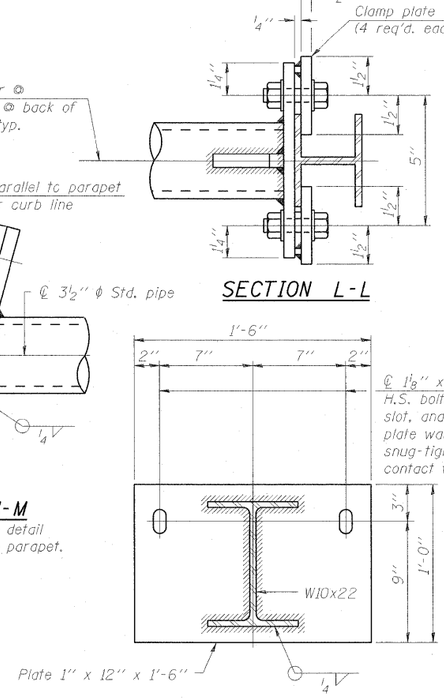
Skewed connection detail for W10x22 to facia beam.



SECTION M-M

Skewed connection detail for 3½" ϕ pipe to parapet.

Note: For constant slab overhang at facia beam, $\angle_1 = \angle_2$ = sign angle. For flared beams or other special cases where $\angle_1 \neq \angle_2$. $\angle_1$ = sign angle.



SECTION L-L

SECTION D-D

Concrete beam or girder connection plate details.

BRIDGE MOUNT SIGN STRUCTURES
CONNECTION DETAILS

SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS	64	82-1-2HB	ST. CLAIR	345	179
			CONTRACT NO. 76C49		
	FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DESIGNED	TGF
CHECKED	MPW
DRAWN	TGF
CHECKED	MPW

- 200

EXAMINED

ENGINEER OF BRIDGE DESIGN

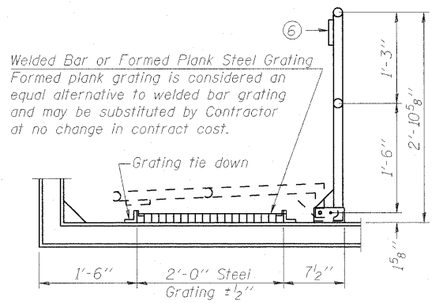
PASSED

ENGINEER OF BRIDGES AND STRUCTURES

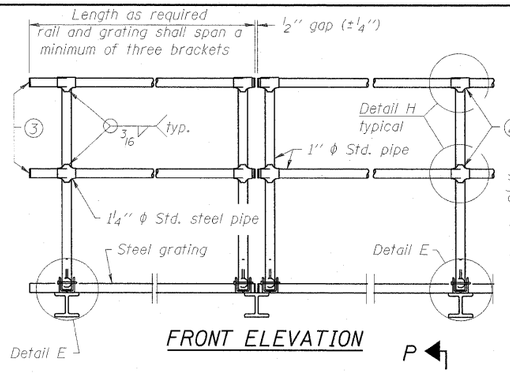
NUMBER	REVISION	DATE

BM-3 12-1-08

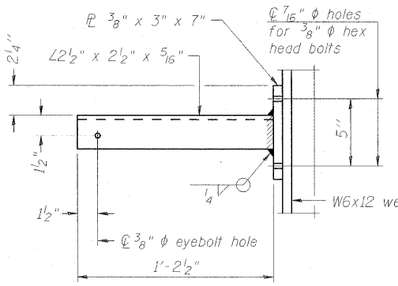
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



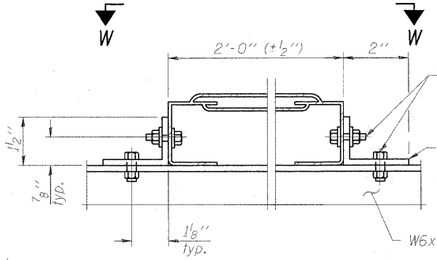
SIDE ELEVATION



FRONT ELEVATION

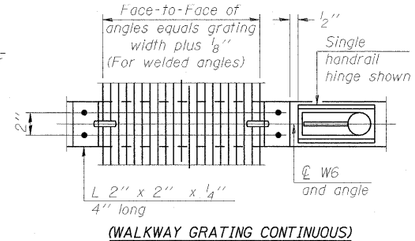


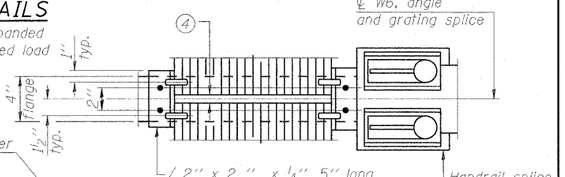
SECTION P-P



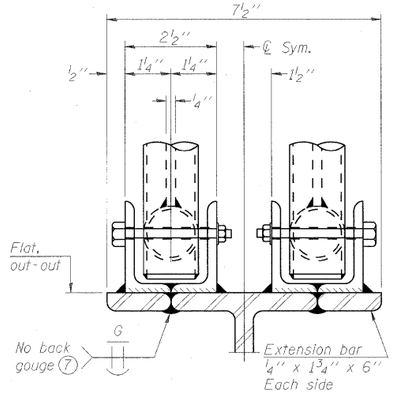
ALTERNATE FORMED PLANK GRATING DETAILS

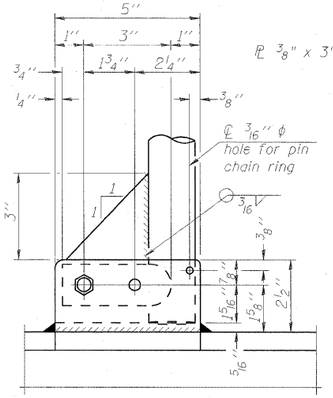
Plank Grating: nominal depth = 2½" (±½"); perforated or expanded steel sheet with a non-skid surface (non-serrated) concentrated load capacity = 500 lbs. with 6'-0" clear span.



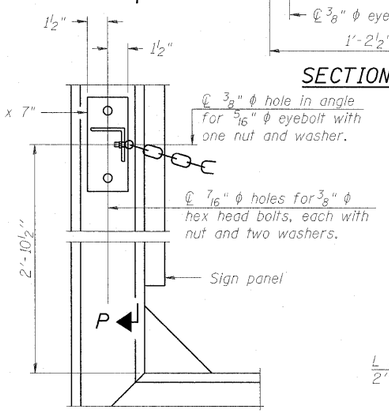


PLAN



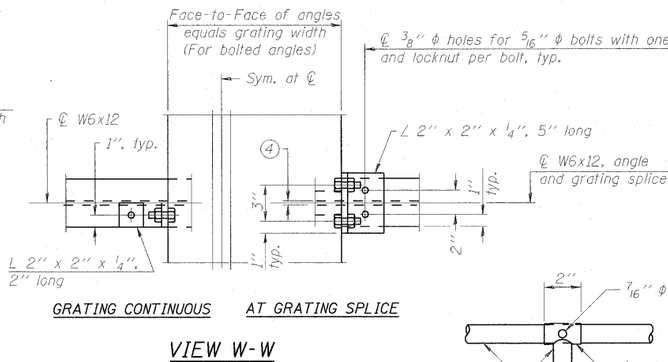


SIDE ELEVATION

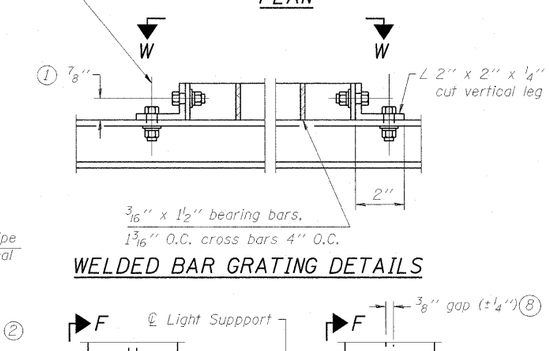


SAFETY CHAIN ATTACHMENT

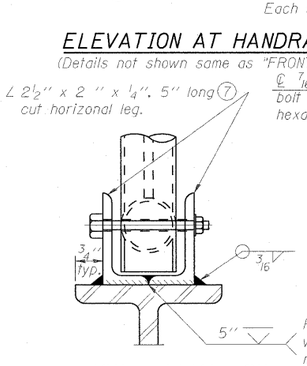
(With Sign Present)
Items not shown same as "SIDE ELEVATION" and "SAFETY CHAIN"



VIEW W-W

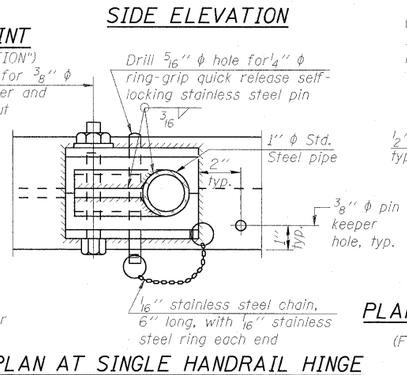


WELDED BAR GRATING DETAILS



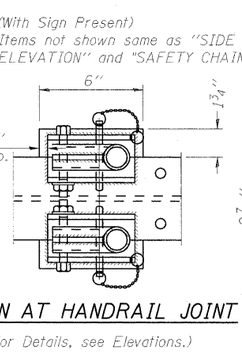
FRONT ELEVATION

(See above Elevations for dimensions.)



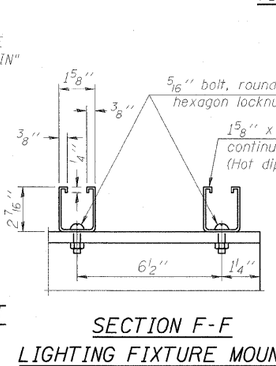
PLAN AT SINGLE HANDRAIL HINGE

DETAIL E



PLAN AT HANDRAIL JOINT

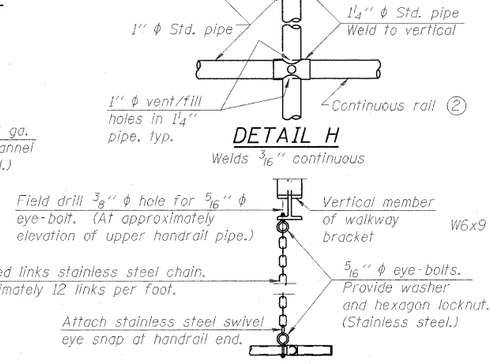
(For Details, see Elevations.)



SECTION F-F

LIGHTING FIXTURE MOUNTS

(If required)

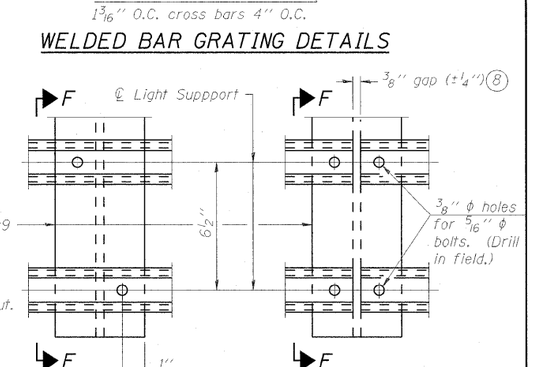


DETAIL H

Welds 3/16" continuous

SAFETY CHAIN

One (1) required for each end of each walkway.



DETAIL F

DETAIL G

NOTES

① 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.

② Horizontal rail member shall be continuous thru 1¼" ϕ pipe. Provide 7/16" ϕ hole in 1¼"ϕ pipe for ⅜" ϕ bolt. Field drill 7/16" ϕ hole in horizontal rail member. Provide washer and locknut for bolt. (Use 5/16" eyebolts in 7/16" ϕ holes on top rail at ends only.)

③ Install standard force-fit end caps or weld ⅛" end plates with ⅛" c.f.w. and grind smooth. (All rail ends.)

④ ⅜" (±¼") gap between grating panels at splice.

⑤ Chain to be type 304L stainless steel suitable for prolonged exterior exposure. Approximately 3'-6" long chain per location. Maximum sag with handrail erected = 4".

⑥ PL ⅛" x ½" x 2" welded to handrail posts to protect locations that contact grating.

⑦ Extrusions may be used in lieu of details shown, with approval by Engineer.

⑧ 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	TGF
CHECKED	MPW
DRAWN	TGF
CHECKED	MPW

- 200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

ENGINEER OF BRIDGES AND STRUCTURES

BM-4 12-1-08

BRIDGE MOUNT SIGN STRUCTURES
WALKWAY DETAILS

SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS	64	82-1-2HB	ST. CLAIR	345	180
			CONTRACT NO. 76C49		
	FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Geotechnology, Inc

SOIL BORING LOG

Page 1 of 1

Date 31710

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY EED

SECTION 82-1 LOCATION East St. Louis, IL, SEC. 7, TWP. 2N, RNG. 9W

COUNTY St. Clair DRILLING METHOD HSA with MR HAMMER TYPE CME 750X /73%

STRUCT. NO. NA
Station NA

BORING NO. ST-11
Station I - 64 RAMP E Sta. 17+97.84
Offset 12.11' RT
Ground Surface Elev. 404.1 ft

Surface Water Elev. Unknown ft
Stream Bed Elev. Unknown ft

Groundwater Elev.:
First Encounter 385.6 ft ▼
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Asphalt - 10 inches 403.9			
Medium stiff, gray, SANDY LOAM	2		
	5 4	0.9 S	24
	1		
	2 3	0.7 B	25
-5	1		
	2 4	0.6 S	26
396.1			
Medium stiff, gray, CLAY	1		
	2 5	0.9 B	39
-10 393.6			
Medium stiff, gray, SANDY LOAM	1		
	1 3	0.6 B	28
	1		
	2 1		28
-15 388.6			
Medium stiff, gray, SILTY CLAY LOAM	1		
	2 2	1.0 S	31
	2		
-20	2 2		31
Medium stiff, gray, SILTY CLAY LOAM (continued)			
	0		
	2 4	0.5 B	34
	2		
	3 3	1.0 S	30
-30	1		
	2 3	0.6 B	32
376.1			
Stiff, gray, SANDY LOAM	2		
	4 7		26
-35 374.1			
End of Boring			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

* Rimac attempted, not measured due to sample disturbance
** Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Geotechnology, Inc

SOIL BORING LOG

Page 1 of 2

Date 31810

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY EED

SECTION 82-1 LOCATION East St. Louis, IL, SEC. 7, TWP. 2N, RNG. 9W

COUNTY St. Clair DRILLING METHOD HSA with MR HAMMER TYPE CME 750X /73%

STRUCT. NO. NA
Station NA

BORING NO. ST-12
Station I - 64 RAMP A Sta.10+00.15
Offset 12.63' RT
Ground Surface Elev. 394.6 ft

Surface Water Elev. Unknown ft
Stream Bed Elev. Unknown ft

Groundwater Elev.:
First Encounter 385.6 ft ▼
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Topsoil - 6 inches 394.1			
Medium stiff, brown, SANDY LOAM	3		
	4 4	0.5 S	23
391.6			
Soft, gray, CLAY LOAM	1		
-5	1 2	0.1 B	37
389.1			
Medium stiff to soft, gray, SANDY LOAM	0		
	1 1	0.6 B	32
▼	0		
	2 1	0.4 B	31
-30 384.1			
Medium dense, gray, FINE GRAINED SAND	4		
	6 7		20
	2		
-35	3 7		
	4		
loose	4 5		
	5		
-40	7 8		
Medium dense, gray, FINE GRAINED SAND (continued)			
	5		
	7 6		
	3		
-50	7 5		
	7		
	10 10		
	3		
-55	10 15		
	5		
-60	5 9		
	5		
-65	10 16		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

* Rimac attempted, not measured due to sample disturbance
** Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Geotechnology, Inc

SOIL BORING LOG

Page 2 of 2

Date 31810

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY EED

SECTION 82-1 LOCATION East St. Louis, IL, SEC. 7, TWP. 2N, RNG. 9W

COUNTY St. Clair DRILLING METHOD HSA with MR HAMMER TYPE CME 750X /73%

STRUCT. NO. NA
Station NA

BORING NO. ST-12
Station I - 64 RAMP A Sta.10+00.15
Offset 12.63' RT
Ground Surface Elev. 394.6 ft

Surface Water Elev. Unknown ft
Stream Bed Elev. Unknown ft

Groundwater Elev.:
First Encounter 381.6 ft ▼
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Medium dense, gray, FINE GRAINED SAND (continued)			
332.6			
Dense, gray, FINE GRAINED SAND	16		
	22		
349.6 -45	19		
End of Boring			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

* Rimac attempted, not measured due to sample disturbance
** Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Geotechnology, Inc

SOIL BORING LOG

Page 1 of 1

Date 32410

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY RFW

SECTION 82-1 LOCATION East St. Louis, IL, SEC. 7, TWP. 2N, RNG. 9W

COUNTY St. Clair DRILLING METHOD HSA with MR HAMMER TYPE CME 750X /73%

STRUCT. NO. NA
Station NA

BORING NO. ST-13
Station ST. CLAIR AVE. STA. 34+72.27
Offset 55.16' LT
Ground Surface Elev. 413.7 ft

Surface Water Elev. Unknown ft
Stream Bed Elev. Unknown ft

Groundwater Elev.:
First Encounter 390.7 ft ▼
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Asphalt - 2 inches 413.7			
Gravel base - 4 inches 413.3			
Very stiff, brown, CLAY, trace gravel	3		
	3 4		7
	2		
-5	3 4	2.5 B	30
408.2			
Stiff to medium stiff, brown, SILTY CLAY	2		
	2 3	1.8 B	34
	2		
-10	2 2	0.6 B	32
403.2			
Medium stiff, brown, SILT	3		
	3 4		19
	2		
-15	3 3		17
	2		
-20	3 3		23
	2		
-25	2 3	0.6 B	25
Medium stiff, brown, SILT (continued) 388.2			
Very soft to soft, gray, SANDY LOAM	2		
	3 4	0.2 B	28
	1		
-35	2 2		29
Medium dense, gray, FINE GRAINED SAND 378.7	5		
	7 7		
	4		
loose	5 5		
-40	6		
	8 12		
End of Boring			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

* Rimac attempted, not measured due to sample disturbance
** Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

SHEET NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEET NO.	64	82-1-2HB	ST. CLAIR	345	181
SHEETS			CONTRACT NO. 76C49		
	FED ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REVISED 4/15/2010

LANDSCAPE INSTALLATION GENERAL NOTES:

1. UTILITY COORDINATION:
   ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING BY CALLING J.U.L.I.E. AND BY NOTIFYING NON-J.U.L.I.E. MEMBERS INDIVIDUALLY. FIELD MARKING OF FACILITIES MAY ALSO BE OBTAINED BY PROVIDING A MINIMUM OF 96-HOURS NOTICE TO THE RESIDENT ENGINEER SO THAT UTILITY COMPANIES CAN BE NOTIFIED. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
   - AMEREN UE
   - AMERITECH
   - CHARTER COMMUNICATIONS
   - EXPLORER PIPELINE
   - ILLINOIS POWER COMPANY
   - ILLINOIS AMERICAN WATER
   - MARATHON ASHLAND PIPELINE COMPANY
   - MCI
   - MCLEOD USA
   - NORAM TRADING AND TRANSPORTATION COMPANY
   - OWEST
   - SPRINT
   - WORLDCOM
   - 360 NETWORKS

   CITY OF EAST ST LOUIS - (618) 482-6737
   METRO EAST SANITARY DISTRICT - (618) 452-9400
   ST LOUIS NATIONAL STOCKYARDS COMPANY - (405) 235-8675

   (MEMBERS OF J.U.L.I.E. (800)-892-0123 OR 811 ARE INDICATED BY •. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY)

2. VERIFICATION OF DIMENSIONS AND GRADES, BOTH EXISTING AND PROPOSED, SHALL BE THE CONTRACTOR'S RESPONSIBILITY PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ROADSIDE MANAGEMENT SPECIALIST, RON CHLOPEK, 618-346-3286 OF ANY DISCREPANCIES.

3. ALL SURFACE DRAINAGE SHALL BE DIRECTED AWAY FROM BUILDINGS. SURFACE DRAINAGE SHALL BE DIRECTED TO EXISTING DRAINAGE STRUCTURES DESIGNATED FOR THE COLLECTION OF SURFACE RUN-OFF.

4. CONTRACTOR SHALL REPAIR IN KIND ANY AREAS DAMAGED AS A RESULT OF LANDSCAPE OPERATIONS AT NO ADDITIONAL COST TO THE CONTRACT.

5. ALL SODDING, SALT TOLERANT AREAS SHALL HAVE FERTILIZER APPLIED AT A 1:1:1 RATIO AS FOLLOWS:
   NITROGEN FERTILIZER NUTRIENT - 60 LBS/ACRE
   PHOSPHORUS FERTILIZER NUTRIENT - 60 LBS/ACRE
   POTASSIUM FERTILIZER NUTRIENT - 60 LBS/ACRE

6. SUPPLEMENTAL WATERING SHALL BE APPLIED AT THE DIRECTION OF THE ENGINEER AT A RATE OF 3 GAL/SQ YD, OR AT THE RATE DIRECTED BY THE ENGINEER.

FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED - JM	REVISED -	
TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS		DRAWN - JB	REVISED -	
	PLOT SCALE = *SCALE*	CHECKED - ACL	REVISED -	
	PLOT DATE = *DATE*	DATE - 03/19/10	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LANDSCAPING PLANS – GENERAL NOTES

SCALE: N/A | SHEET NO. 1 OF 6 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	82-1-2HB	ST. CLAIR	345	182
	*9166/9180	CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NOTE:
SEE PROPOSED LANDSCAPING SHEETS 3 - 5 FOR ALL TREES, SHRUBS AND ANNUALS/ PERENNIALS.

SCALE IN FEET
50 0 50 100 150 200

ST. CLAIR AVE.
EB I-64
WB I-64
BAUGH AVENUE
15TH STREET
℄ BAUGH AVENUE N
℄ 15TH STREET
℄ ST. CLAIR AVENUE
℄ BAUGH AVENUE S15

37+99.17
34.18' LT
SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4"

3+00.00
31.21' LT

3+09.51
30.80' RT
SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4"

PR. TEMPORARY EASEMENT

32+44.12
37.39' LT

6+55.01
38.89' RT
SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4"

SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4"

13+93.36
32.48' LT

11+63.00
35.70' RT
SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4"

SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4"

2.3'
6.1'

112+27.11
36.81' LT

Wall No. 19
Wall No. 10
Unknown Shielded Force Main Ø6.0L 12"
Unknown 2 - 12" Force Main

FILE NAME = *FILE1*	USER NAME = *USER*	DESIGNED - JM	REVISED -
		DRAWN - JB	REVISED -
	PLOT SCALE = *SCALE*	CHECKED - ACL	REVISED -
	PLOT DATE = *DATE*	DATE - 03/19/10	REVISED -

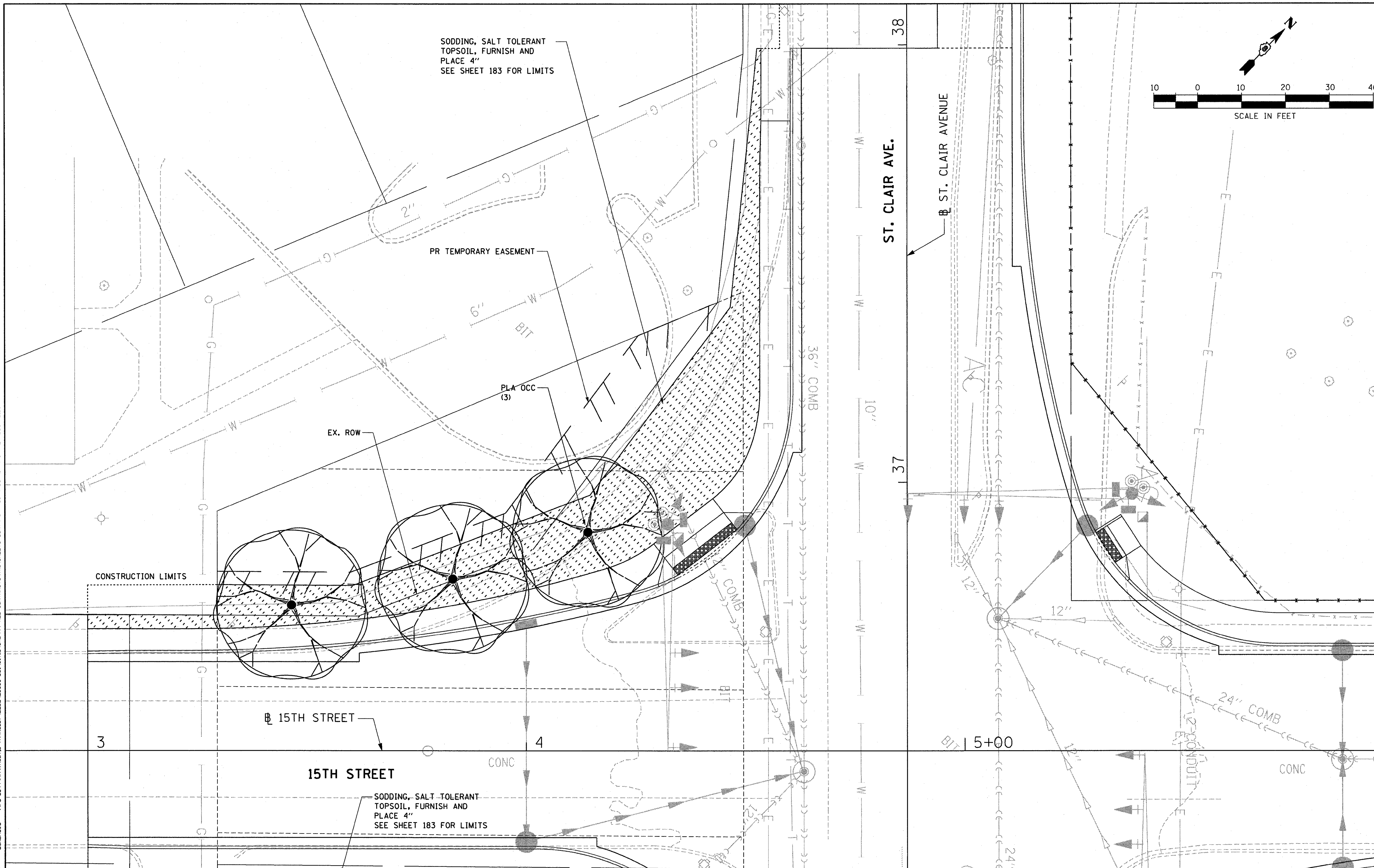
TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LANDSCAPING PLANS

SCALE: 1"=50' | SHEET NO. 2 OF 6 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	82-1-2HB	ST. CLAIR	345	183
	*9166/9180	CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



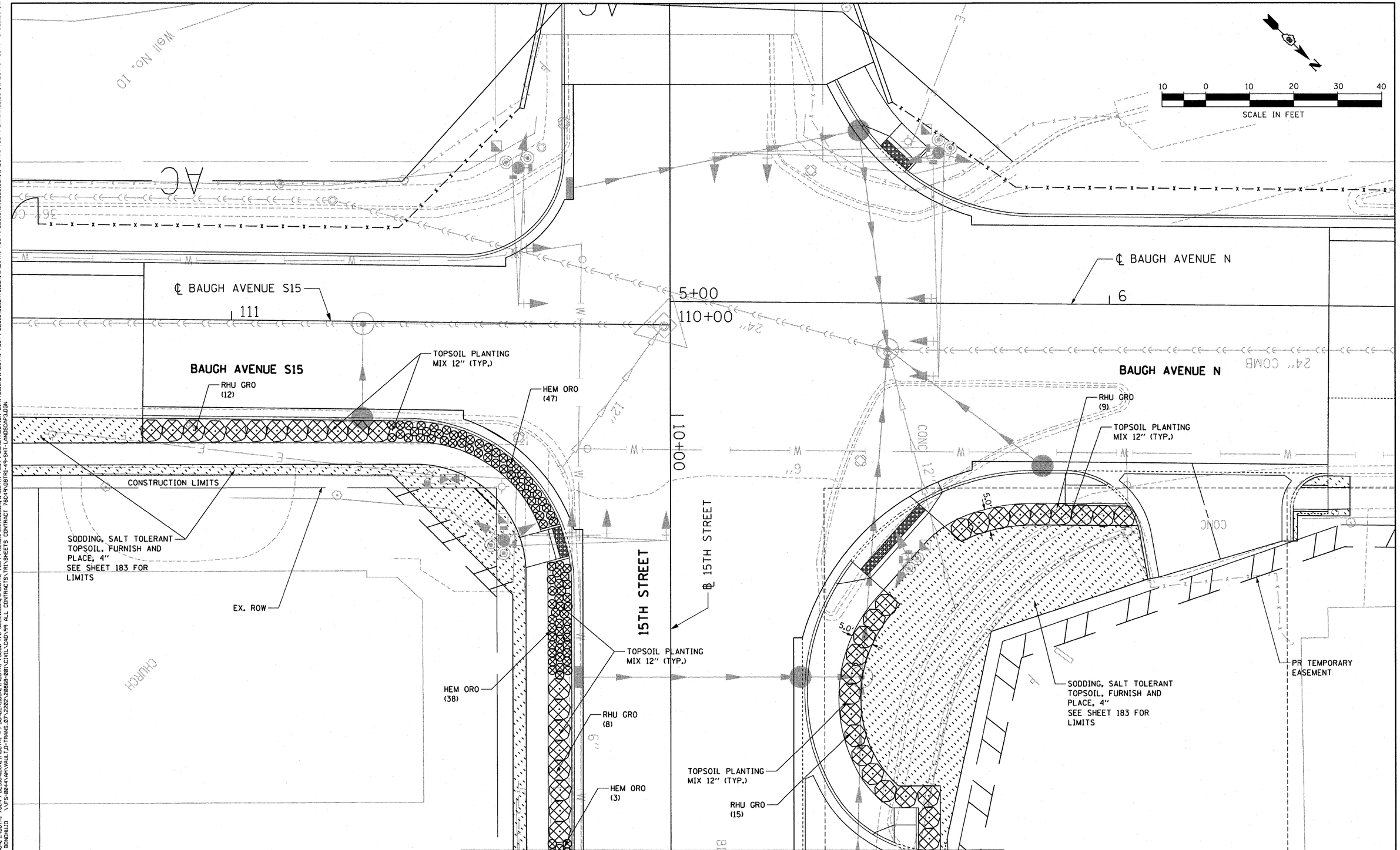
FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - JM	REVISED -
		DRAWN - JB	REVISED -
TENG — TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	PLOT SCALE = $SCALE$	CHECKED - ACL	REVISED -
	PLOT DATE = $DATE$	DATE - 03/19/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LANDSCAPING PLANS

SCALE: 1"=10' | SHEET NO. 3 OF 6 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	82-1-2HB	ST. CLAIR	345	184
	•9166/9180	CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - JM	REVISED -
		DRAWN - JB	REVISED -
TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	PLOT SCALE = $SCALE$	CHECKED - ACL	REVISED -
	PLOT DATE = $DATE$	DATE - 03/19/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LANDSCAPING PLANS

SCALE: 1"=10' | SHEET NO. 4 OF 6 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	82-1-2HB	ST. CLAIR	345	185
	•9166/9180	CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

MATCH LINE STA. 11+00

PR TEMPORARY EASEMENT

EX. ROW

ILLINOIS POWER & GAS

BIT

CHURCH PARKING LOT

SODDING, SALT TOLERANT
TOPSOIL, FURNISH AND PLACE, 4"
SEE SHEET 183 FOR LIMITS (TYP.)

GATE

CONC

TRAVERSE STATION

SODDING, SALT TOLERANT
TOPSOIL, FURNISH AND PLACE, 4"
SEE SHEET 183 FOR LIMITS (TYP.)

SODDING, SALT TOLERANT
TOPSOIL, FURNISH AND PLACE, 4"
SEE SHEET 183 FOR LIMITS (TYP.)

TRANSFORMER

RET WALL

10 0 10 20 30 40
SCALE IN FEET

℄ 15TH STREET

11 12 13 14

15TH STREET

HEM ORO
(22)

TOPSOIL PLANTING
MIX 12" (TYP.)

CONSTRUCTION LIMITS

HEM ORO
(33)

SODDING, SALT TOLERANT
TOPSOIL, FURNISH AND PLACE, 4"
SEE SHEET 183 FOR LIMITS (TYP.)

CHARTER COMMUNICATIONS

ILLINOIS POWER & GAS

RET WALL

GRVL

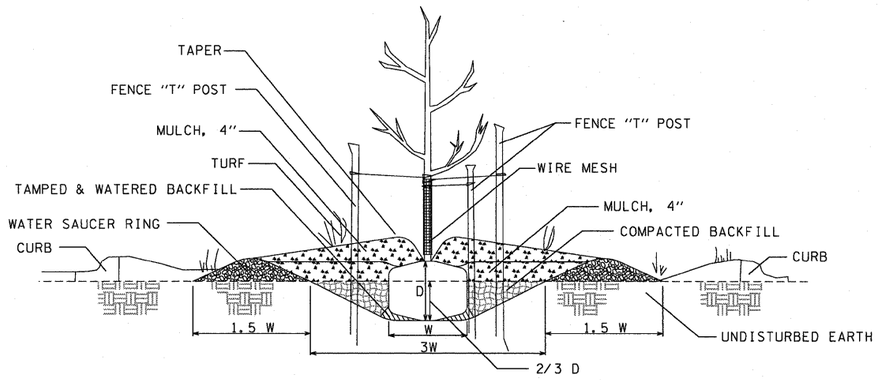
FILE NAME = *FILE1*	USER NAME = *USER*	DESIGNED - JM	REVISED -	
		DRAWN - JB	REVISED -	
TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	PLOT SCALE = *SCALE*	CHECKED - ACL	REVISED -	
	PLOT DATE = *DATE*	DATE - 03/19/10	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LANDSCAPING PLANS

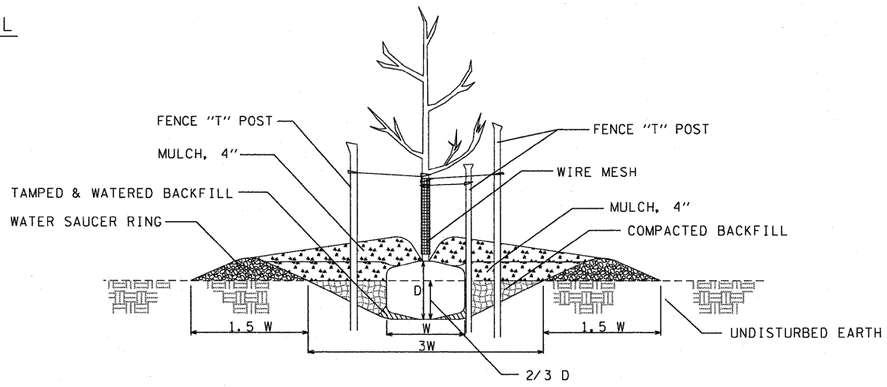
SCALE: 1"=10' | SHEET NO. 5 OF 6 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	82-1-2HB	ST. CLAIR	345	186
	*9166/9180	CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

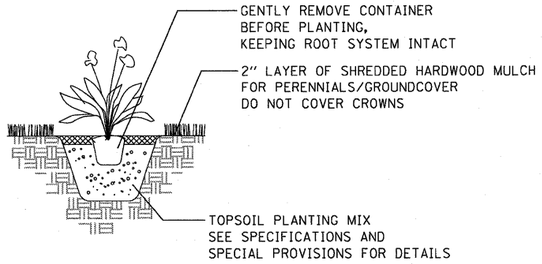


1 PARKWAY PLANTING DETAIL
NOT TO SCALE

NOTE: PRUNING SHALL NOT CHANGE THE HABIT OF THE TREE. ALL CUTS SHALL BE MADE JUST OUTSIDE THE BRANCH BARK RIDGE AND COLLAR, ANGLING AWAY FROM THE STEM. PRUNING SHALL BE LIMITED TO THE REMOVAL OF COMPETING LEADERS, OR DEAD, RUBBING, BROKEN OR DAMAGED BRANCHES AND ONLY AT THE DIRECTION OF THE COMMISSIONER.

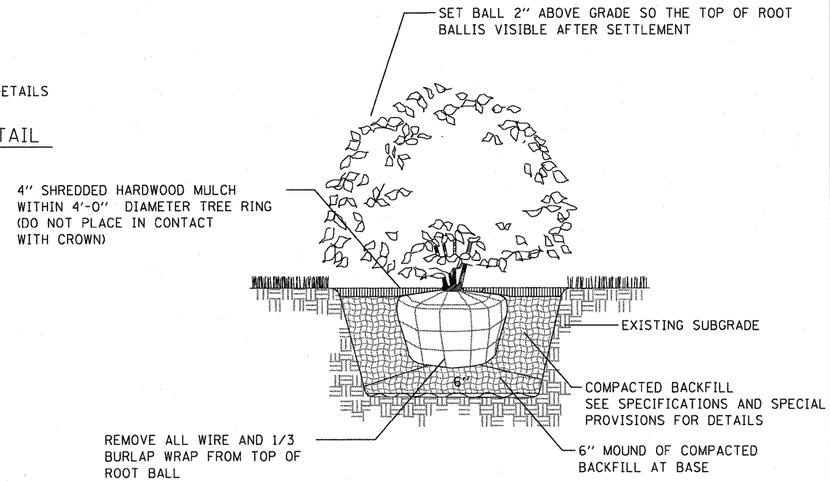


2 FLAT GROUND PLANTING DETAIL
NOT TO SCALE



3 PERENNIAL/GROUNDCOVER PLANTING DETAIL
NOT TO SCALE

NOTE: PLANTING RELATIONSHIPS VARY SEE LANDSCAPE PLAN FOR DETAILS



4 SHRUB PLANTING DETAIL
NOT TO SCALE

TREE PLANTING SCHEDULE

TREE SIZE CALIPER	SHRUB TREE HEIGHT	EVERGREEN HEIGHT	MIN DIAMETER BALL W	MIN DEPTH BALL D	HOLE DEPTH 2/3 D	HOLE WIDTH 3 W
1/4 IN 1/2	2 FT 3	1.5 FT 2	10 IN 12	10 IN 12	5 IN 6	30 IN 36
3/4 1	4 5	3 4	14 16	14 16	7 8	42 48
1 1/4 1 1/2	6 7	4 1/2 5	18 20	18 20	9 9	54 60
1 3/4 2	8 9	6 7	22 24	22 24	10 11	66 72
2 1/2 3	10 11	8 9	28 32	28 32	12 13	84 96

PLANT SCHEDULE

	CODE	BOTANICAL NAME / COMMON NAME	CONT.	CAL.	QTY.
TREES					
	PLA OCC	PLATANUS OCCIDENTALIS / AMERICAN SYCAMORE	B & B	3" CAL	3
SHRUBS					
	RHU GRO	RHUS AROMATICA 'GRO-LOW' / GRO-LOW FRAGRANT SUMAC	5 GAL		44
ANNUALS/PERENNIALS					
⊗	HEM ORO	HEMEROCALLIS HYBRID 'STELLA DE ORO' / STELLA DE ORO DAYLILY	1 GAL		143

LANDSCAPING SCHEDULE

	FROM STA.	FROM OFF.	TO STA.	TO OFF.	AREA (SF)	AREA (SY)	NITROGEN FERTILIZER NUTRIENT PHOSPHORUS FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT TOTAL = 16 LBS EACH POUNDS	SUPPLEMENTAL WATERING TOTAL = 13 UNITS UNITS
SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4" TOTAL = 1,284 SY	3+00.00	31.21 LT	37+99.17	34.18 LT	2,551	283	3.51	2.83
	3+09.51	30.80 RT	32+44.12	37.39 LT	1,672	186	2.30	1.86
	6+55.01	38.89 RT	6+44.24	41.08 RT	23	3	0.03	0.03
	6+55.01	48.04 RT	6+42.19	53.92 RT	22	2	0.03	0.02
	6+06.75	50.62 RT	11+00.00	63.07 LT	1,985	221	2.73	2.21
	11+37.06	57.79 LT	11+76.77	40.00 LT	609	68	0.84	0.68
	11+90.77	57.93 LT	12+73.47	37.58 LT	1,637	182	2.25	1.82
	12+79.47	56.48 LT	13+93.34	25.71 LT	1,299	144	1.79	1.44
	112+24.12	22.72 LT	111+19.93	28.24 LT	654	73	0.90	0.73
	112+26.68	34.58 LT	11+20.40	35.94 RT	1,018	113	1.40	1.13
	11+32.40	35.98 RT	11+63.00	32.72 RT	88	10	0.12	0.10
TOPSOIL PLANTING MIX, 12" TOTAL = 179 SY	6+04.52	46.12 RT	5+66.72	54.55 RT	201	22	-	-
	10+40.00	48.51 LT	11+00.00	61.34 LT	362	40	-	-
	112+20.00	22.58 LT	110+24.72	45.92 LT	500	56	-	-
	10+34.12	28.02 RT	11+17.39	27.44 RT	437	49	-	-
	11+35.46	27.45 RT	11+60.00	23.19 RT	112	12	-	-

FILE NAME = $FILE1$
USER NAME = $USER$ | DESIGNED - JM | REVISED -
DRAWN - JB | REVISED -
PLOT SCALE = $SCALE$ | CHECKED - ACL | REVISED -
PLOT DATE = $DATE$ | DATE - 03/19/10 | REVISED -

TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

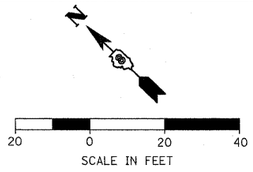
PROPOSED LANDSCAPING PLANS – PLANTING DETAILS AND SCHEDULE

SCALE: N/A | SHEET NO. 6 OF 6 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	82-1-2HB	ST. CLAIR	345	187
	*9166/9180	CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SIGNAL PLAN NOTES:

1. ALL VEHICLE SIGNAL HEADS SHALL HAVE 12" SECTIONS. MOUNTING HARDWARE SHALL BE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS, AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SEIZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.
2. BACKPLATES SHALL BE ABS PLASTIC.
3. THE ENGINEER SHALL APPROVE THE LOCATION OF THE MAST ARM SUPPORT BEFORE FOUNDATION IS CONSTRUCTED. THE MAST ARM POLE SHALL BE LOCATED A MINIMUM OF 5' FROM THE FACE OF THE CURB. THIS DISTANCE IS TO THE NEAR FACE OF THE MAST ARM POLE.
4. ALL TRAFFIC SIGNAL CABLE SHALL BE #14 AWG STRANDED COPPER, UNLESS OTHERWISE SPECIFIED.
5. THE ENGINEER SHALL APPROVE THE LOCATION OF ALL DETECTOR LOOPS BEFORE ANY SLOTS ARE SAWED IN THE PAVEMENT. THE NUMBER OF TURNS OF WIRE FOR INDUCTIVE LOOP DETECTOR INSTALLATION SHALL BE AS SHOWN ON THE SCHEDULE OF QUANTITIES.
6. DETECTOR LOOP LEAD-IN SPLICE SHALL BE MADE IN A HANDHOLE PER SECTION 873 OF THE STANDARD SPECIFICATION. CONDUCTORS SHALL BE SPLICED IN A RIGID MOLD. ROSIN-CORE SOLDER SHALL BE USED.
7. ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY ATTEMPT TO CONSTRUCT ANY COMPONENT OF THE VARIOUS TRAFFIC SIGNAL INSTALLATIONS. UTILITY LOCATIONS CAN BE OBTAINED BY CALLING JULIE (1-800-892-0123). THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY.
8. ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN JUNCTION BOXES WILL NOT BE ALLOWED.
9. ALL GROUNDING MATERIALS FOR TRAFFIC SIGNAL CONCRETE FOUNDATIONS SHALL REFER TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, UNLESS NOTED OTHERWISE.
10. THE CONTROLLER CABINET SHALL BE UNPAINTED ALUMINUM.
11. CALL DELAY SHALL NOT FUNCTION WHEN THE RELATED PHASES ARE IN THE GREEN MODE.
12. ALL INDUCTIVE LOOP DETECTORS SUPPLIED FOR THIS PROJECT SHALL HAVE THE CAPACITY OF OPERATING WITH BOTH DELAY AND EXTENSION MODES ACTIVE, IF A TIMING SETTING IS PROGRAMMED. THEY SHALL BE RACK MOUNTED.
13. THE CONTRACTOR SHALL FABRICATE, DELIVER AND INSTALL STREET NAME SIGNS AT THE SPECIFIED LOCATIONS. THE SIGNS AND INSTALLATION SHALL CONFORM TO SECTION 720 OF THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION AND STANDARD 720016.



14. THE PUSH BUTTON SIGN SHALL BE A R10-4B, 9"x12".
15. REMOVAL AND DISPOSAL OF THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISION FOR "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT".
16. CENTER TO CENTER DISTANCE BETWEEN THE CONDUITS, WHERE TWO OR MORE LOOP LEAD-IN CONDUITS ARE INSTALLED FROM THE EDGE OF PAVEMENT TO THE NEAREST HANDHOLE, SHALL BE SIX INCHES MINIMUM AT THE EDGE OF THE PAVEMENT.
17. THE CONTRACTOR SHALL NOT DRILL ANY HOLES IN THE BEAMS, DECK, OR SUPERSTRUCTURE OF THE BRIDGE UNLESS OTHERWISE APPROVED/ SPECIFIED BY THE DEPARTMENT.
18. ANCHOR BOLTS, NUTS, AND WASHERS REQUIRED WITH TYPE D FOUNDATION SHALL BE INCLUDED IN THE PAY ITEM "FULL-ACTUATED CONTROLLER AND TYPE IV CABINET".
19. THE CONTRACTOR SHALL INSTALL FOUR (4) GROUND RODS (3/4" x 12' LONG) AND #6 AWG BARE COPPER GROUND CONDUCTORS IN THE CONTROLLER FOUNDATION AS PER THE SPECIAL PROVISION, "TRAFFIC SIGNAL CONCRETE FOUNDATION".
20. DETECTOR LOOP SHALL BE PLACED IN THE BINDER COURSE PRIOR TO INSTALLING BITUMINOUS SURFACE COURSE.
21. AN UNDERGROUND "CABLE MARKING TAPE" SHALL BE INSTALLED WITH ALL TRENCH AND BACKFILL FOR ELECTRICAL WORK IN ACCORDANCE WITH THE ARTICLE 815.03(d) AND 1066.05 OF THE STANDARD SPECIFICATIONS.

DUE TO THE SKEWED NATURE OF THE ROADWAYS IN THIS PROJECT, THE FOLLOWING ARE THE COMPASS DESIGNATIONS TO THE ROADWAYS:

15TH STREET (NORTH-SOUTH)
ST. CLAIR AVENUE (EAST-WEST)
BAUGH AVENUE (EAST-WEST)

SIGNAL PLAN LEGEND

- LED SIGNAL HEAD WITH BACKPLATE
- LED SIGNAL HEAD, PEDESTRIAN
- SIGNAL POST
- CONTROLLER CABINET
- CONCRETE HANDHOLE
- CONCRETE DOUBLE HANDHOLE
- PEDESTRIAN PUSH BUTTON
- SERVICE POLE OR PEDESTAL AND POWER SUPPLY
- MAST ARM MOUNTED SIGN
- STEEL MAST ARM ASSEMBLY
- LOOP DETECTOR
- CONDUIT
- GSC GALVANIZED STEEL CONDUIT
- PVCC POLYVINYL CHLORIDE CONDUIT

"T" TRENCHED, "P" PUSHED, SIZE SPECIFIED

PROPOSED TRAFFIC SIGNAL FACES

POLE I.D.	CONTROL LINE	STATION	OFFSET	POST LENGTH	MAST ARM LENGTH	FOUNDATION DEPTH	FOUNDATION DIAMETER
1	ST CLAIR AVE	35+95	56' LEFT		55'	15'	36"
2	ST CLAIR AVE	35+91	54' RIGHT		46'	13'	36"
3	ST CLAIR AVE	36+92	50' RIGHT		50'	15'	36"
4	ST CLAIR AVE	36+87	59' LEFT		48'	15'	36"
⊠	ST CLAIR AVE	35+85	50' LEFT				

SOUTH CORNER ENLARGED PLAN

FILE NAME = $FILEA$	USER NAME = IDOT	DESIGNED - GDO	REVISED -
		DRAWN - GDO	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - JAH	REVISED -
	PLOT DATE = 3/17/2010	DATE - 3/19/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION

SCALE: 1"=20' | SHEET NO. 1 OF 4 SHEETS | STA. 34+00 | TO STA. 39+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	188
	D-98-058-089	CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT FAP 998		

SIGNAL PLAN LEGEND

- LED SIGNAL HEAD WITH BACKPLATE
- LED SIGNAL HEAD, PEDESTRIAN
- SIGNAL POST
- CONTROLLER CABINET
- CONCRETE HANDHOLE
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- CONDUIT
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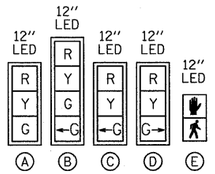
- PVCC POLYVINYL CHLORIDE CONDUIT
- "T" TRENCHED, "P" PUSHED, SIZE SPECIFIED



PROPOSED TRAFFIC SIGNAL FACES

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POLE I.D.	CONTROL LINE	STATION	OFFSET	POST LENGTH	MAST ARM LENGTH	FOUNDATION DEPTH	FOUNDATION DIAMETER
1	BAUGH AVE	110+26	56' LEFT		26'	10'	30"
2	BAUGH AVE	110+35	35' RIGHT		30'	11'	36"
3	BAUGH AVE	5+59	33' LEFT		2 x 50'	16'	36"
4	BAUGH AVE	5+57	58' RIGHT	15'	-	3'	24"
E	BAUGH AVE	110+50	36' LEFT				

10. THE CONTROLLER CABINET SHALL BE UNPAINTED ALUMINUM.
11. CALL DELAY SHALL NOT FUNCTION WHEN THE RELATED PHASES ARE IN THE GREEN MODE.
12. ALL INDUCTIVE LOOP DETECTORS SUPPLIED FOR THIS PROJECT SHALL HAVE THE CAPACITY OF OPERATING WITH BOTH DELAY AND EXTENSION MODES ACTIVE, IF A TIMING SETTING IS PROGRAMMED. THEY SHALL BE RACK MOUNTED.
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14. THE PUSH BUTTON SIGN SHALL BE A R10-4B, 9"x12".
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16. CENTER TO CENTER DISTANCE BETWEEN THE CONDUITS, WHERE TWO OR MORE LOOP LEAD-IN CONDUITS ARE INSTALLED FROM THE EDGE OF PAVEMENT TO THE NEAREST HANDHOLE, SHALL BE SIX INCHES MINIMUM AT THE EDGE OF THE PAVEMENT.
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FILE NAME = *FILEA*	USER NAME = IDOT	DESIGNED - GDO	REVISED -
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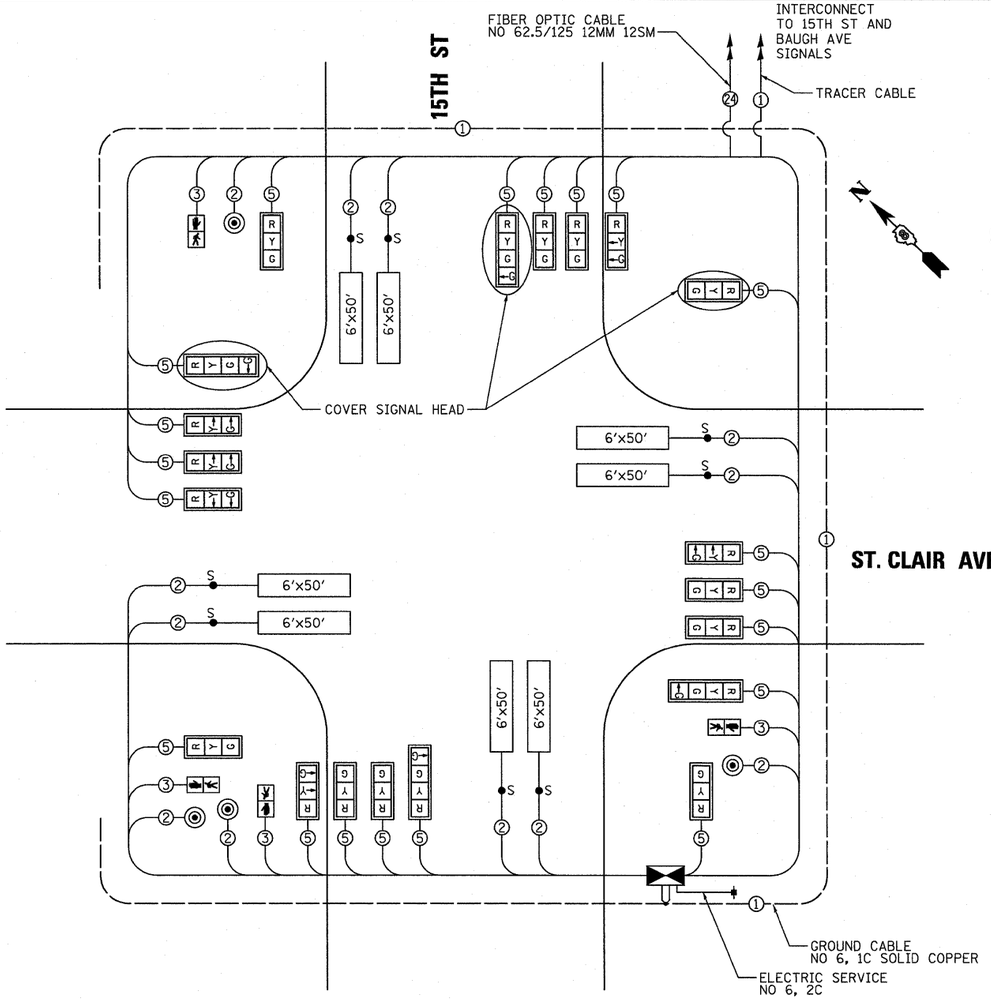
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - JAH	REVISED -
	PLOT DATE = 3/17/2010	DATE - 3/19/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

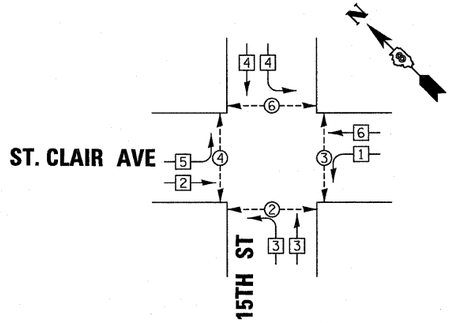
TRAFFIC SIGNAL INSTALLATION

SCALE: 1" = 20' | SHEET NO. 2 OF 4 SHEETS | STA. 7+00 TO STA. 113+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	189
	D-98-058-089	CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT FAP 998		



CABLE PLAN



PHASE DESIGNATION DIAGRAM

VEHICULAR PHASE

PEDESTRIAN PHASE

\# ASSOCIATED PHASE NUMBER

PHASE	1	2	3	4	5	6	7	8
MOVEMENT							-	-
CONCURRENT MOVEMENT PERMITTED	5	6	-	-	1	2	NOT USED	NOT USED

PROPOSED SEQUENCE OF OPERATION

PROTECTED VEHICULAR MOVEMENT

PERMISSIVE VEHICULAR MOVEMENT

PEDESTRIAN MOVEMENT

LOOP FINAL CONFIGURATION	PHASE Ø	LOOP SIZE (FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
NB 15TH LT TURN LN	3	6' x 50'	3-6-3	796.56	1.830
NB 15TH THRU/RT LN	3	6' x 50'	3-6-3	793.92	1.770
SB 15TH LT TURN LN	4	6' x 50'	3-6-3	796.78	1.835
SB 15TH THRU/RT LN	4	6' x 50'	3-6-3	793.70	1.765
WB ST. CLAIR LT TURN LN	1	6' x 50'	3-6-3	796.78	1.835
WB ST. CLAIR THRU/RT LN	6	6' x 50'	3-6-3	793.92	1.770
EB ST. CLAIR LT TURN LN	5	6' x 50'	3-6-3	795.02	1.795
EB ST. CLAIR THRU/RT LN	2	6' x 50'	3-6-3	792.38	1.735

THE ABOVE VALUES ARE CALCULATED FOR COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN ±20% OF THESE VALUES.

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
72000100	SIGN PANEL - TYPE 1	SQ FT	37
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	147
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	441
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	94
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	16
81400100	HANDHOLE	EACH	4
81400300	DOUBLE HANDHOLE	EACH	1
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	455
81900302	TRENCH AND BACKFILL WITH SCREENINGS OR SAND	FOOT	243
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
87100160	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 24F	FOOT	293
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	625
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	629
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3795
87301405	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 16 1 PAIR	FOOT	1242
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	179
87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1
87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
87700290	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
87700320	STEEL MAST ARM ASSEMBLY AND POLE, 55 FT.	EACH	1
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3.5
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	58
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	10
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	20
88500100	INDUCTIVE LOOP DETECTOR	EACH	4
88600100	DETECTOR LOOP, TYPE I	FOOT	1378
88800100	PEDESTRIAN PUSH-BUTTON	EACH	4
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	5
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	461

SCHEDULE OF QUANTITIES

PROPOSED TRAFFIC SIGNAL LEGEND

DENOTES NUMBER OF CONDUCTORS

CONTROLLER

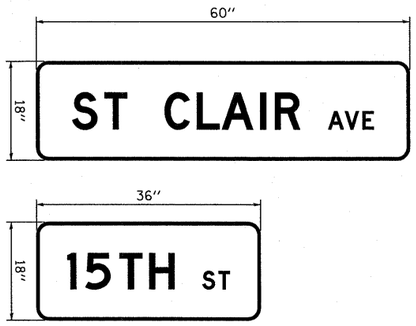
PEDESTRIAN PUSHBUTTON

PEDESTRIAN SIGNAL

VEHICULAR SIGNAL FACE WITH BACKPLATE

6'x50' — VEHICULAR DETECTOR WITH INDUCTION LOOP SIZE

S — CABLE SPLICE



MAST ARM MOUNTED STREET NAME SIGNS

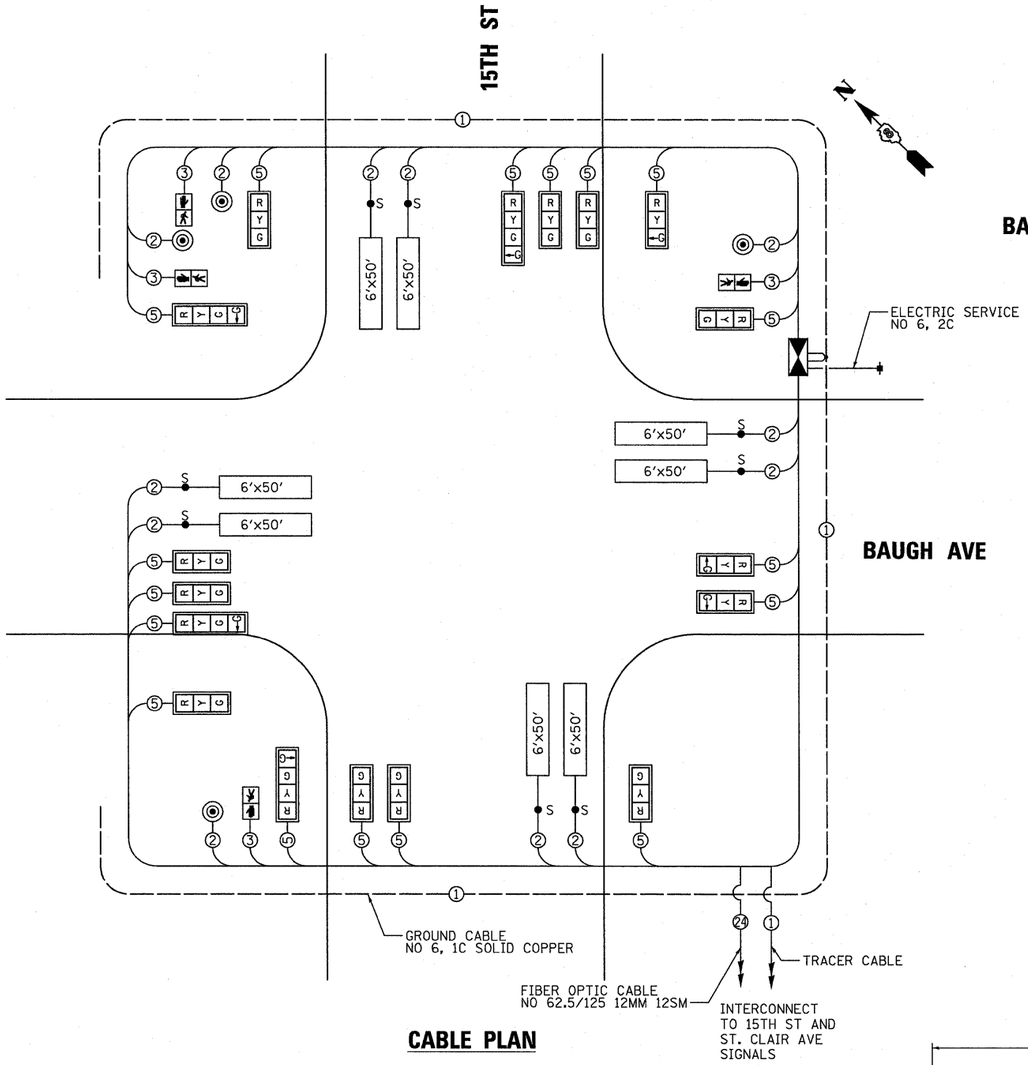
FILE NAME =	USER NAME = IDOT	DESIGNED - GDO	REVISED -
$FILEA$		DRAWN - GDO	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - JAH	REVISED -
	PLOT DATE = 3/17/2010	DATE - 3/19/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

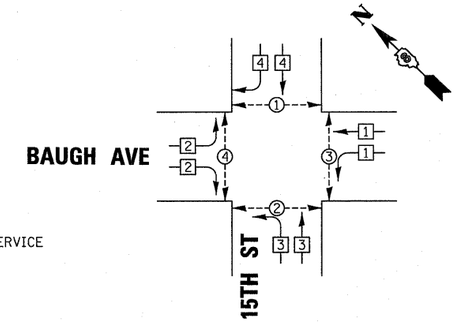
TRAFFIC SIGNAL INSTALLATION

SCALE: NONE | SHEET NO. 3 OF 4 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	190
	D-98-058-089	CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT FAP 998		



CABLE PLAN



PHASE DESIGNATION DIAGRAM

VEHICULAR PHASE

PEDESTRIAN PHASE

\# ASSOCIATED PHASE NUMBER

PHASE	1	2	3	4	5	6	7	8
MOVEMENT					-	-	-	-
CONCURRENT MOVEMENT PERMITTED	-	-	-	-	NOT USED	NOT USED	NOT USED	NOT USED

PROPOSED SEQUENCE OF OPERATION

PROTECTED VEHICULAR MOVEMENT

PERMISSIVE VEHICULAR MOVEMENT

PEDESTRIAN MOVEMENT

LOOP FINAL CONFIGURATION	PHASE Ø	LOOP SIZE (FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
NB 15TH LT TURN LN	3	6' x 50'	3-6-3	795.152	1.798
NB 15TH THRU LN	3	6' x 50'	3-6-3	792.675	1.742
SB 15TH RT TURN LN	4	6' x 50'	3-6-3	793.480	1.760
SB 15TH THRU LN	4	6' x 50'	3-6-3	796.076	1.819
WB BAUGH LT TURN LN	1	6' x 50'	3-6-3	793.106	1.752
WB BAUGH THRU/RT LN	1	6' x 50'	3-6-3	793.172	1.753
EB BAUGH LT TURN LN	2	6' x 50'	3-6-3	794.162	1.776
EB BAUGH RT TURN LN	2	6' x 50'	3-6-3	791.478	1.715

THE ABOVE VALUES ARE CALCULATED FOR COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN ±20% OF THESE VALUES.

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS

PROPOSED TRAFFIC SIGNAL LEGEND

DENOTES NUMBER OF CONDUCTORS

CONTROLLER

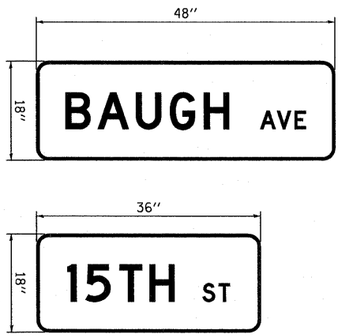
PEDESTRIAN PUSHBUTTON

PEDESTRIAN SIGNAL

VEHICULAR SIGNAL FACE WITH BACKPLATE

6'x50' — VEHICULAR DETECTOR WITH INDUCTION LOOP SIZE

S — CABLE SPLICE



MAST ARM MOUNTED STREET NAME SIGNS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
72000100	SIGN PANEL - TYPE 1	SQ FT	32
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	176
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	182
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	190
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	19
81100600	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	233
81400100	HANDHOLE	EACH	3
81400300	DOUBLE HANDHOLE	EACH	1
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	313
81900302	TRENCH AND BACKFILL WITH SCREENINGS OR SAND	FOOT	254
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
87100160	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 24F	FOOT	426
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	621
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	625
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3269
87301405	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 16 1 PAIR	FOOT	1342
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	101
87502490	TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	1
87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
87702730	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 50 FT.	EACH	1
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3.5
87800300	CONCRETE FOUNDATION, TYPE E 24-INCH DIAMETER	FOOT	3
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	27
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	17
88500100	INDUCTIVE LOOP DETECTOR	EACH	4
88600100	DETECTOR LOOP, TYPE I	FOOT	1431
88800100	PEDESTRIAN PUSH-BUTTON	EACH	4
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	5
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	422

SCHEDULE OF QUANTITIES

FILE NAME = $FILEA$	USER NAME = IDOT	DESIGNED - GDO	REVISED -
		DRAWN - GDO	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - JAH	REVISED -
	PLOT DATE = 3/17/2010	DATE - 3/19/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION

SCALE: NONE | SHEET NO. 4 OF 4 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	191
	D-98-058-089	CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT FAP 998		

ELECTRICAL SYMBOLS FOR PROPOSED WORK

CONVENTIONAL LIGHTING UNIT:
45'-0" MOUNTING HEIGHT
15'-0" MAST ARM(S)
250 WATT HPS M-C-III LUMINAIRE(S)
BREAKAWAY TRANSFORMER BASE

OR

TEMPORARY LIGHTING UNIT:
400 WATT HPS LUMINAIRE (TYPE M-C-III);
15 FOOT MAST ARM; 60 FOOT, CLASS 4, WOOD POLE

TEMPORARY WOOD POLE: 50 FOOT LENGTH
(10 FOOT BURIED, 40 FOOT INSTALLED HEIGHT)

LIGHTING CONTROLLER CABINET:
TYPE CB-RCS 100 AMP - 480 VOLT
(DOOR SIDE AS INDICATED)

ELECTRIC SERVICE INSTALLATION:
TYPE AS INDICATED ON PLANS

HANDHOLE:
TYPE AND SIZE AS INDICATED ON PLANS

UNDERPASS LIGHTING UNIT:
150 WATT HPS LUMINAIRE
(PRIMARY DISTRIBUTION DIRECTION
AS INDICATED BY ARROW)

JUNCTION BOX:
TYPE AND SIZE AS INDICATED ON PLANS

LIQUID-TIGHT FLEXIBLE CONDUIT

AC — TEMPORARY AERIAL CABLE

RACEWAY OR DIRECT BURIAL CABLE
UNDERGROUND WITHOUT ENCASEMENT

RACEWAY ATTACHED TO STRUCTURE

SCHEDULE 80 PVC CONDUIT SLEEVE
TRENCHED OR PUSHED

CONDUIT TURNED DOWN

CONDUIT TURNED UP

RECORDER WELL

DEEP WELL

ADJ — EXISTING DEEP WELL TO BE ADJUSTED

ELECTRICAL SYMBOLS FOR EXISTING CONDITIONS

EXISTING LIGHTING UNIT TO REMAIN

EXISTING LIGHTED SIGN STRUCTURE - TRUSS TYPE

EXISTING LIGHTED SIGN STRUCTURE - CANTILEVER TYPE

EXISTING LIGHTING CONTROLLER TO REMAIN

EXISTING ELECTRIC SERVICE TO REMAIN

EXISTING JUNCTION BOX TO REMAIN

EXISTING AERIAL CABLE

EXISTING RACEWAY OR DIRECT BURIED CABLE

EXISTING CONDUIT SLEEVE

EXISTING DEEP WELL TO REMAIN

ELECTRICAL SYMBOLS FOR REMOVAL WORK

EXISTING LIGHTING UNIT AND CONCRETE
FOUNDATION TO BE REMOVED

EXISTING LIGHTING UNIT TO BE REMOVED AND RELOCATED
(CONCRETE FOUNDATION TO BE REMOVED)

EXISTING UNDERPASS LIGHTING UNIT TO BE REMOVED

EXISTING LIGHTED SIGN STRUCTURE (TRUSS TYPE):
TO BE REMOVED

EXISTING LIGHTED SIGN STRUCTURE (CANTILEVER TYPE):
TO BE REMOVED

EXISTING RACEWAY OR DIRECT BURIED CABLE
TO BE ABANDONED

EXISTING RECORDER WELL TO BE FILLED

EXISTING DEEP WELL TO BE FILLED

ABBREVIATIONS

A	AMPERES
AC	AERIAL CABLE
ATS	ATTACHED TO STRUCTURE
BL	BASE LINE
C	CONDUCTOR
CKT	CIRCUIT
CNC	COILABLE NON-METALLIC CONDUIT
CONC	CONCRETE
℄, CL	CENTERLINE
DIA	DIAMETER
DWG	DRAWING
E	EXISTING UNIT TO REMAIN
EA	EACH
EB	EASTBOUND
EOR	EDGE OF ROADWAY
FT	FOOT, FEET
FDN	FOUNDATION
GND, GRD	GROUND
HPS	HIGH PRESSURE SODIUM
I	INTERSTATE
IDOT	ILLINOIS DEPARTMENT OF TRANSPORTATION
IN	INCHES
J, JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATT
LF	LINEAR FEET
LT	LEFT
MA	MAST ARM(S)
N/A	NOT APPLICABLE
NB	NORTHBOUND
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
PH	PHASE
PIN	PROJECT IDENTIFICATION NUMBER
PNL	PANEL
PROP	PROPOSED
PVC	POLYVINYL CHLORIDE
PVCC	POLYVINYL CHLORIDE COATED
R	EXISTING UNIT TO BE REMOVED
RGC	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
RL	EXISTING RELOCATED UNIT
RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
RT	RIGHT
SB	SOUTHBOUND
SCH 40	SCHEDULE 40
SCH 80	SCHEDULE 80
SHT	SHEET
SS	STAINLESS STEEL
STA	STATION
STD	STANDARD
STRUCT	STRUCTURE
T	TEMPORARY
TEL	TELEPHONE
TS	TRAFFIC SIGNAL
TYP	TYPICAL
UD	UNIT DUCT
UNO	UNLESS NOTED OTHERWISE
V	VOLT
W	WATT, WIRE
WB	WESTBOUND
WM	WALL MOUNTED
WP	WOOD POLE
XFMR	TRANSFORMER

ME-01

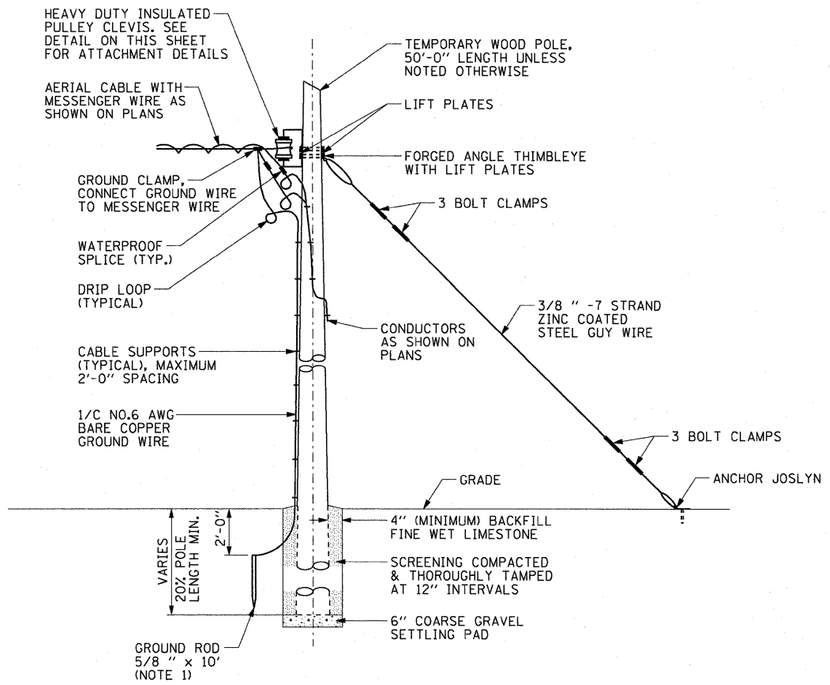
FILE NAME = $FILEA$	USER NAME = lentzt	DESIGNED	JSF	REVISED -
		DRAWN	JSF	REVISED -
	PLOT SCALE = 1.0000 ' / IN.	CHECKED	JPC	REVISED -
	PLOT DATE = 3/12/2010	DATE	03/19/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYMBOLS AND ABBREVIATIONS

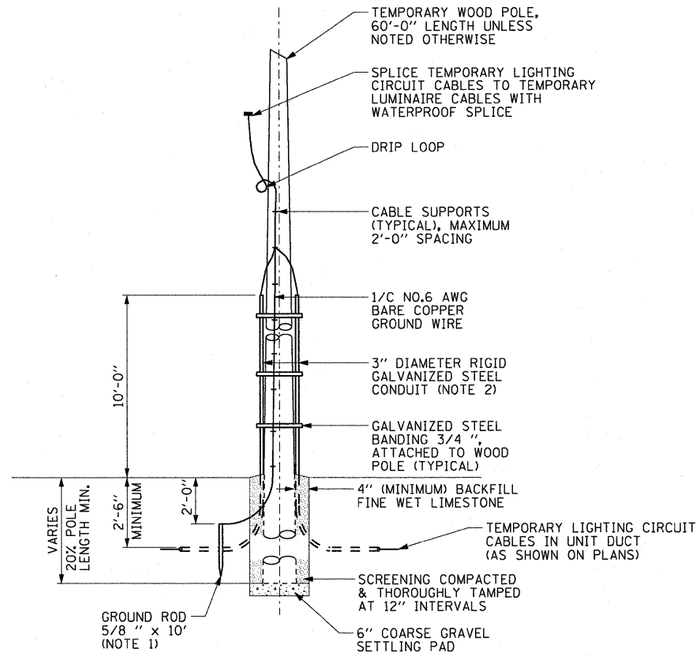
SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. N/A | TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	192
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TEMPORARY WOOD END POLE INSTALLATION DETAILS

WOOD POLE INSTALLATION IS SIMILAR
(NOT TO SCALE)

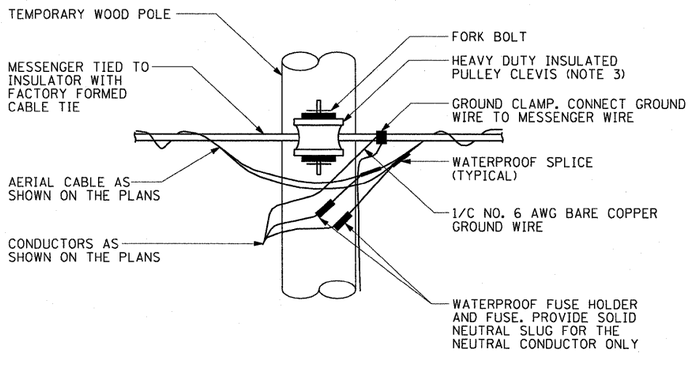


TEMPORARY POWER TO MAINLINE TEMPORARY LIGHTING UNIT INSTALLATION DETAIL

(NOT TO SCALE)

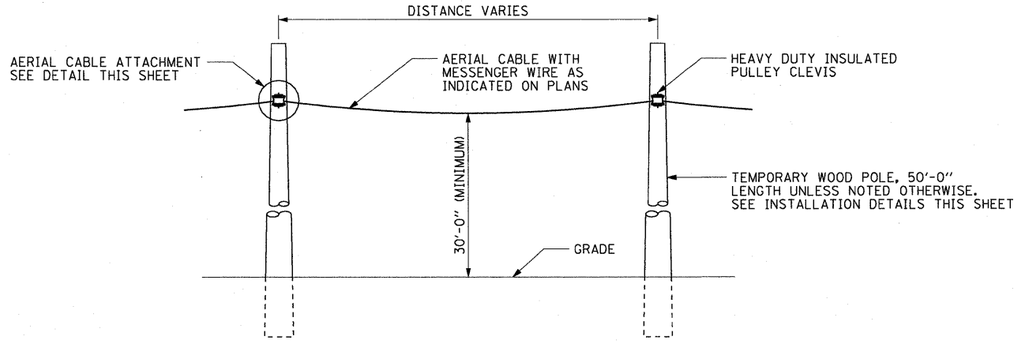
NOTES:

1. GROUND RODS SHALL BE INSTALLED FOR ALL TEMPORARY LIGHTING UNIT WOOD POLES AND AT THE END OF AN AERIAL RUN AS SHOWN ON THIS DRAWING.
2. RIGID STEEL CONDUIT ATTACHED TO TEMPORARY WOOD POLE. PROVIDE A CONDUIT SEALING BUSHING. THE BUSHING MUST BE AS MANUFACTURED BY O-Z GEDNEY, TYPE CSBG OR APPROVED EQUAL. THIS WORK, INCLUDING ALL FITTINGS, BUSHINGS, SUPPORT STRAPS AND HARDWARE WILL BE INCLUDED FOR PAYMENT UNDER THE "LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15 FT MAST ARM" PAY ITEM.
3. HEAVY DUTY INSULATED PULLEY CLEVIS AND ALL ASSOCIATED HARDWARE REQUIRED FOR A COMPLETE INSTALLATION WILL BE INCLUDED FOR PAYMENT UNDER THE APPROPRIATE TEMPORARY WOOD POLE PAY ITEM.
4. CONTRACTOR MUST PROVIDE ALL HARDWARE NECESSARY FOR A COMPLETE INSTALLATION.



TEMPORARY WOOD POLE
AERIAL CABLE ATTACHMENT DETAIL

(NOT TO SCALE)



AERIAL CABLE INSTALLATION DETAIL

(NOT TO SCALE)

ME-02

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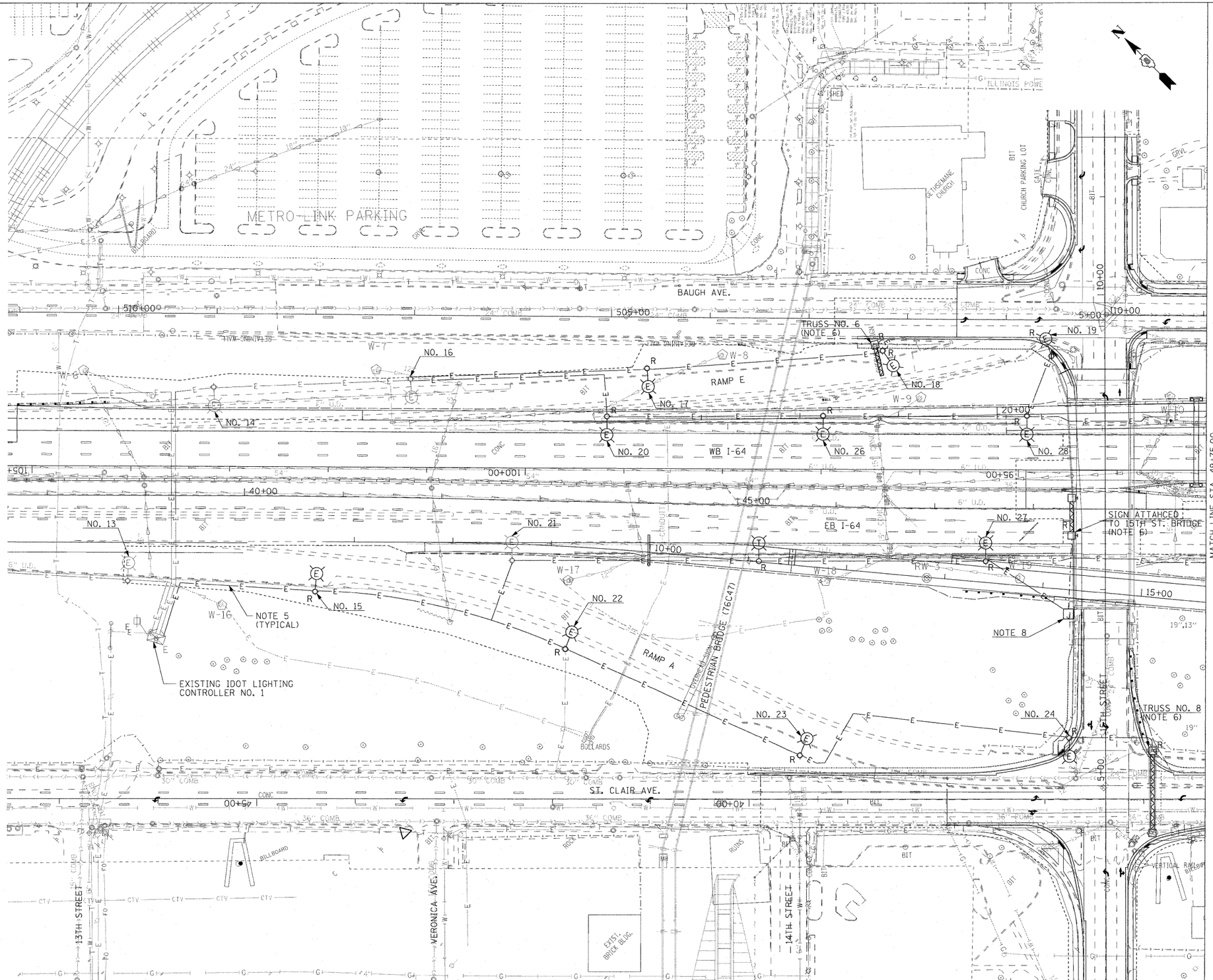
		DRAWN	JSF	REVISED -
	PLOT SCALE = 1.0000 ' / IN.	CHECKED	JPC	REVISED -
	PLOT DATE = 3/12/2010	DATE	03/19/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS
TEMPORARY POWER AND WOOD POLE DETAILS

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. N/A | TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	193
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

1. SEE DRAWING ME-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. THE EXISTING ROADWAY LIGHTING SHALL REMAIN IN OPERATION UNTIL THE TEMPORARY LIGHTING SYSTEM HAS BEEN INSTALLED, TESTED, AND ACCEPTED BY THE ENGINEER. SEE DRAWING RL-01 FOR LIGHTING PLAN PROPOSED WORK.
3. LOCATE AND MARK ALL EXISTING UTILITIES PRIOR TO COMMENCEMENT OF WORK. PROTECT AND TAKE CARE NOT TO DAMAGE EXISTING UTILITIES FOR THE DURATION OF THE CONSTRUCTION.
4. VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
5. EXISTING CABLE AND RACEWAY TO BE DISCONNECTED AND ABANDONED.
6. DISCONNECT THE EXISTING SIGN LIGHTING ELECTRICAL SERVICE AND REMOVE WIRING BACK TO THE NEAREST SPLICE. SIGN PANEL(S), LUMINAIRE(S), STRUCTURE, AND FOUNDATION(S) WILL BE REMOVED AS PART OF THE CIVIL WORK. COORDINATE ALL WORK ACCORDINGLY.
7. COORDINATE ALL WORK WITH CIVIL WORK, STRUCTURAL WORK, AND SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLANS.
8. EXISTING JUNCTION BOX AND CONDUIT ATTACHED TO EXISTING 15TH STREET BRIDGE STRUCTURE WILL BE REMOVED AS PART OF 15TH STREET BRIDGE DEMOLITION.

50′ 0′ 25′ 50′ 75′ 100′
SCALE: 1″ = 50′

EL-01

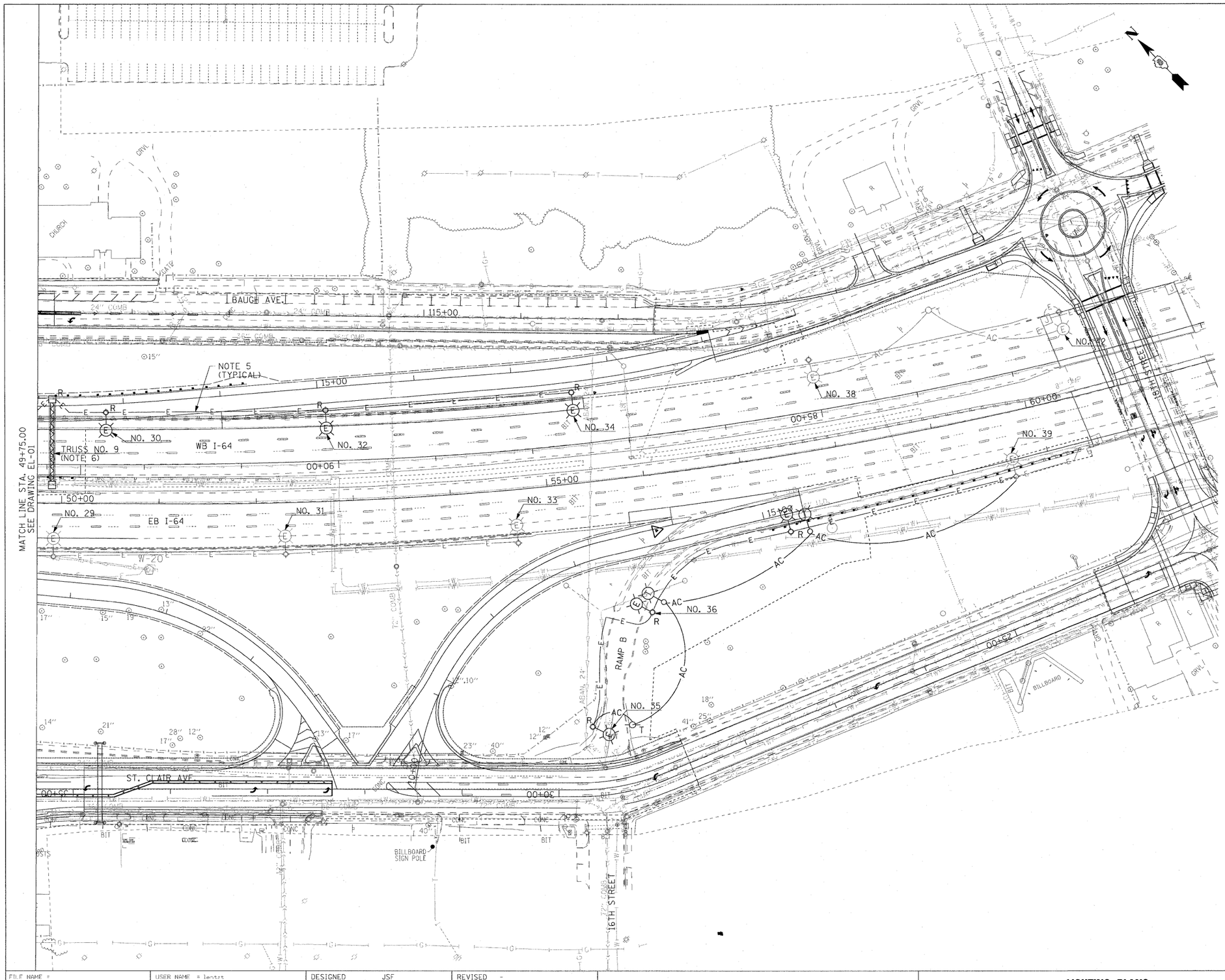
FILE NAME = #FILEA#	USER NAME = lentzt	DESIGNED JSF	REVISED -	
		DRAWN JSF	REVISED -	
	PLOT SCALE = 50.0000 ′ / IN.	CHECKED JPC	REVISED -	
	PLOT DATE = 3/17/2010	DATE 03/19/10	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS
EXISTING CONDITIONS AND DEMOLITION

SCALE: 1″=50′ | SHEET NO. 1 OF 2 SHEETS | STA. 37+60.00 TO STA. 49+75.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	194
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

1. SEE DRAWING ME-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. THE EXISTING ROADWAY LIGHTING SHALL REMAIN IN OPERATION UNTIL THE TEMPORARY LIGHTING SYSTEM HAS BEEN INSTALLED, TESTED, AND ACCEPTED BY THE ENGINEER. SEE DRAWING RL-02 FOR LIGHTING PLAN PROPOSED WORK.
3. LOCATE AND MARK ALL EXISTING UTILITIES PRIOR TO COMMENCEMENT OF WORK. PROTECT AND TAKE CARE NOT TO DAMAGE EXISTING UTILITIES FOR THE DURATION OF THE CONSTRUCTION.
4. VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK. CONFIGURATION SHOWN AT 18TH STREET IS CURRENTLY UNDER CONSTRUCTION IN CONTRACT NO. 76C38.
5. EXISTING CABLE AND RACEWAY TO BE DISCONNECTED AND ABANDONED.
6. DISCONNECT THE EXISTING SIGN LIGHTING ELECTRICAL SERVICE AND REMOVE WIRING BACK TO THE NEAREST SPLICE. SIGN PANEL(S), LUMINAIRE(S), STRUCTURE, AND FOUNDATION(S) WILL BE REMOVED AS PART OF THE CIVIL WORK. COORDINATE ALL WORK ACCORDINGLY.
7. COORDINATE ALL WORK WITH CIVIL WORK, STRUCTURAL WORK, AND SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLANS.

TEMPORARY LIGHTING NOTES:

1. TEMPORARY LIGHTING SHOWN FOR RAMP B ON THIS SHEET IS FOR STAGE 2 AND STAGE 3 CONSTRUCTION. CONTRACTOR SHAL LOCATE TEMPORARY LIGHTING UNITS TO FACILITATE STAGED CONSTRUCTION. TEMPORARY LIGHTING SHOWN ON SHEET RL-02 IS FOR STAGE 4 AND WILL BE LEFT IN PLACE AT THE COMPLETION OF THE PROJECT.
2. TEMPORARY LIGHTING REQUIRED FOR STAGE 2 AND STAGE 3 RAMP B CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR.

50′ 0′ 25′ 50′ 75′ 100′
SCALE: 1″ = 50′

EL-02

FILE NAME = $FILE$	USER NAME = lantzt	DESIGNED	JSF	REVISED -
		DRAWN	JSF	REVISED -
	PLOT SCALE = 50.0000 ′ / IN.	CHECKED	JPC	REVISED -
	PLOT DATE = 3/17/2010	DATE	03/19/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS
EXISTING CONDITIONS AND DEMOLITION

SCALE: 1″=50′ | SHEET NO. 2 OF 2 SHEETS | STA. 49+75.00 TO STA. 62+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	195
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NOTES:

1. SEE DRAWING ME-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. SEE DRAWING ME-02 FOR LIGHTING DETAILS TEMPORARY POWER AND WOOD POLE DETAILS.
3. SEE IDOT STANDARD DETAIL LGT014 FOR TEMPORARY ROADWAY LIGHTING DETAILS.
4. PROPOSED TEMPORARY WOOD POLES, LIGHTING UNITS, AND WIRING SHOWN ON THIS SHEET WILL REMAIN IN OPERATION AT THE END OF CONSTRUCTION SEQUENCE FOR THIS CONTRACT, AND WILL BECOME THE PROPERTY OF IDOT.
5. COORDINATE ALL WORK WITH CIVIL WORK, STRUCTURAL WORK, AND SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLANS.

METRO-LINK PARKING
BOULEVARD
BAUGH AVE.
ILLINOIS POWER CO.
SHED
GETHSEMANE CHURCH
CHURCH PARKING LOT
GATE
CONC
BIT
GRVL
STA. 18+06, 25.0' RT RAMP "E" BL
STA. 19+56, 41.0' RT RAMP "E" BL
STA. 19+56, 25.0' RT RAMP "E" BL
STA. 18+46, 50.0' RT RAMP "E" BL
STA. 99+47.4, 73.0' RT WB I-64 BL
STA. 22+56, 25.0' RT RAMP "E" BL
STA. 21+06, 25.0' RT RAMP "E" BL
NO. 16
NO. 14
WB I-64
STA. 21+90, 25.0' RT RAMP "E" BL
SEE DWG. UL-01 FOR UNDERPASS LIGHTING
RAMP E
RAMP A
NO. 21
EB I-64
STA. 10+10, 25.0' RT RAMP "A" BL
STA. 40+72.4, 97.2' RT EB I-64 BL
2-#6 WITH MESSENGER WIRE (TYPICAL)
EXISTING IDOT LIGHTING CONTROLLER NO. 1
STA. 10+53, 25.0' RT RAMP "A" BL
PEDESTRIAN BRIDGE (76C41)
STA. 11+60, 25.0' RT RAMP "A" BL
STA. 11+18, 25.0' RT RAMP "A" BL
STA. 13+10, 25.0' RT RAMP "A" BL
STA. 14+14, 91.0' RT RAMP "A" BL
STA. 15+50, 25.0' RT RAMP "A" BL
BOLLARDS
ST. CLAIR AVE.
13TH STREET
VERONICA AVE.
14TH STREET
BILLBOARD
RUINS
EXIST. BRICK BLDG.
VERTICAL RAD. BRIDGE
MATCH LINE STA. 49+75.00 SEE DRAWING RL-02

50' 0' 25' 50' 75' 100'
SCALE: 1" = 50'

RL-01

FILE NAME = $FILE$	USER NAME = lentzt	DESIGNED JSF	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**LIGHTING PLANS PROPOSED WORK**	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN JSF	REVISED -			64	82-1-2HB	ST. CLAIR	345	196
	PLOT SCALE = 50.0000 ' / IN.	CHECKED JPC	REVISED -					CONTRACT NO. 76C49		
	PLOT DATE = 3/17/2010	DATE 03/19/10	REVISED -		SCALE: 1"=50' SHEET NO. 1 OF 2 SHEETS STA. 37+60.00 TO STA. 49+75.00	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NOTES:

1. SEE DRAWING ME-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. SEE DRAWING ME-02 FOR LIGHTING DETAILS TEMPORARY POWER AND WOOD POLE DETAILS.
3. SEE IDOT STANDARD DETAIL LGT014 FOR TEMPORARY ROADWAY LIGHTING DETAILS.
4. PROPOSED TEMPORARY WOOD POLES, LIGHTING UNITS, AND WIRING SHOWN ON THIS SHEET WILL REMAIN IN OPERATION AT THE END OF CONSTRUCTION SEQUENCE FOR THIS CONTRACT, AND WILL BECOME THE PROPERTY OF IDOT.
5. COORDINATE ALL WORK WITH CIVIL WORK, STRUCTURAL WORK, AND SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLANS.
6. CONFIGURATION SHOWN FOR 18TH STREET IS CURRENTLY UNDER CONSTRUCTION IN CONTRACT NO. 76C38.

MATCH LINE, STA. 49+75.00
SEE DRAWING RL-01

BAUGH AVE.
ST. CLAIR AVE.
16TH STREET
WB I-64
EB I-64
RAMP E
RAMP A
RAMP B
CHURCH
BILLBOARD
BILLBOARD SIGN POLE
NO. 29
NO. 31
NO. 33
NO. 38
NO. 39
NO. 42
STA. 15+06, 29.0' RT
RAMP "E" BL
STA. 16+56, 25.0' RT
RAMP "E" BL
STA. 13+56, 25.0' RT
RAMP "E" BL
STA. 12+06, 25.0' RT
RAMP "E" BL
STA. 15+25, 25.0' RT
RAMP "B" BASELINE
2-#6 WITH MESSENGER WIRE (TYPICAL)
STA. 12+84, 25.0' RT
RAMP "B" BL
STA. 17+90, 25.0' RT
RAMP "A" BL
STA. 10+77, 37.5' RT
RAMP "B" BL

SCALE: 1" = 50'

RL-02

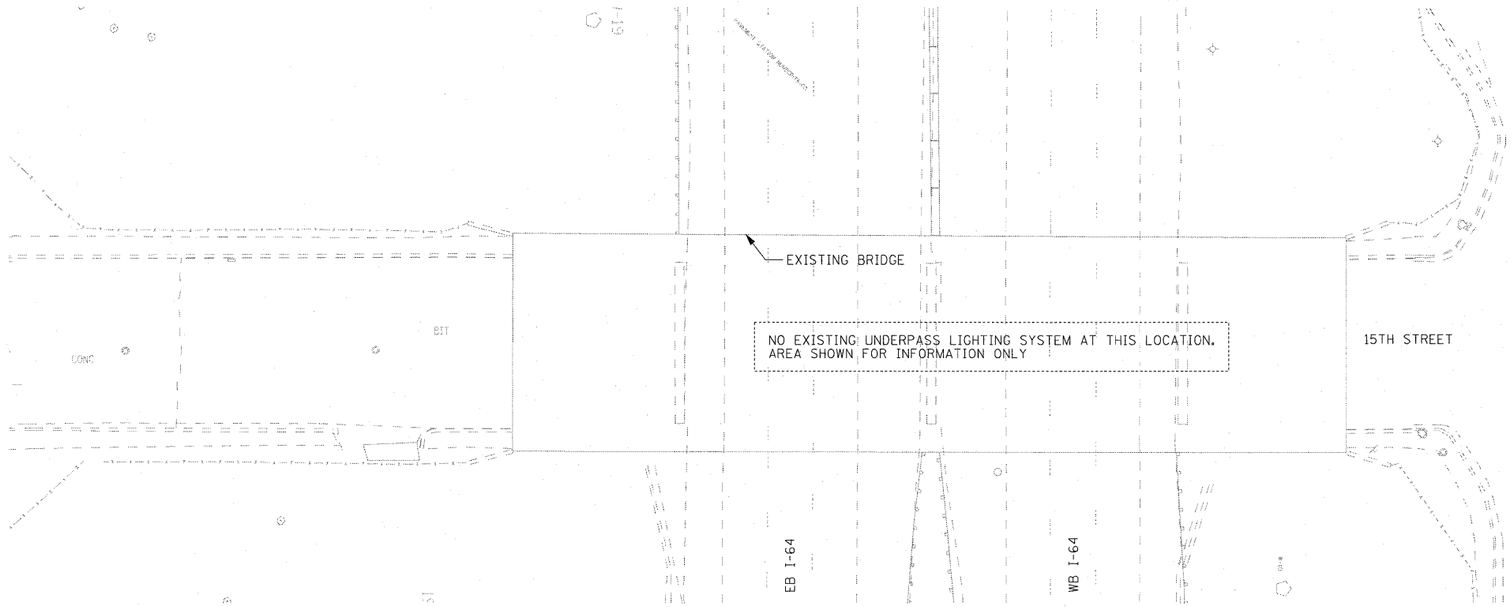
FILE NAME = #FILEA#	USER NAME = lentzt	DESIGNED	JSF	REVISED	-
		DRAWN	JSF	REVISED	-
	PLOT SCALE = 50.0000 ' / IN.	CHECKED	JPC	REVISED	-
	PLOT DATE = 3/17/2010	DATE	03/19/10	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS
PROPOSED WORK

SCALE: 1"=50' | SHEET NO. 2 OF 2 SHEETS | STA. 49+75.00 | TO STA. 62+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-2HB	ST. CLAIR	345	197
		CONTRACT NO. 76C49		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



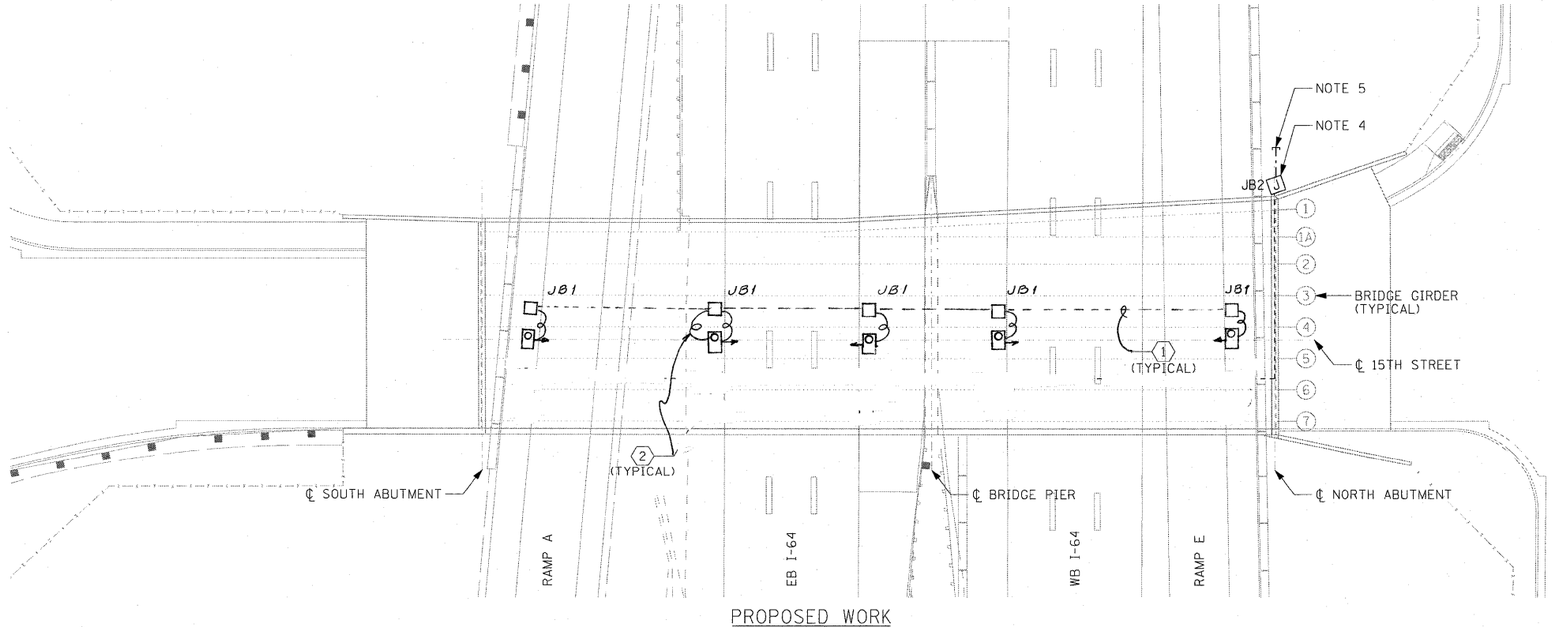
EXISTING CONDITIONS

NOTES:

1. SEE DRAWING ME-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. SEE IDOT STANDARD DETAIL LGT019 FOR UNDERPASS LIGHTING DETAILS.
3. ALL PROPOSED UNDERPASS LIGHTING UNITS SHOWN ON THIS DRAWING SHALL BE PENDANT MOUNTED OFFSET TWO (2) FEET FROM THE PROPOSED EDGE OF ROADWAY (EOR) UNLESS NOTED OTHERWISE.
4. SPLICE NEW UNDERPASS LIGHTING CIRCUIT CABLES TO THE TEMPORARY SERVICE FEED CABLES LOCATED IN THE JUNCTION BOX. SEE DRAWING RL-01 FOR CONTINUATION OF TEMPORARY LIGHTING CIRCUIT FEED.
5. PROVIDE 3" ~~PVCC~~ RGC ATTACHED TO STRUCTURE FOR FUTURE PERMANENT FEED. CAP CONDUIT 5' FROM FACE OF WALL, 30" BELOW GRADE.

JUNCTION BOX SCHEDULE		
NO.	SIZE	DESCRIPTION
JB1	6"x6"x4"	STAINLESS STEEL ATTACHED TO STRUCTURE UNDERPASS LIGHTING
JB2	12"x12"x6"	STAINLESS STEEL ATTACHED TO STRUCTURE UNDERPASS LIGHTING

CABLE / CONDUIT SCHEDULE	
NO.	DESCRIPTION
(1)	2#10, 1#10 GND, IN 3/4" DIAMETER ~~PVCC~~ RGC ATTACHED TO STRUCTURE
(2)	2#10, 1#10 GND, IN 3/4" DIAMETER LIQUID-TIGHT FLEXIBLE CONDUIT (NON-METALLIC)

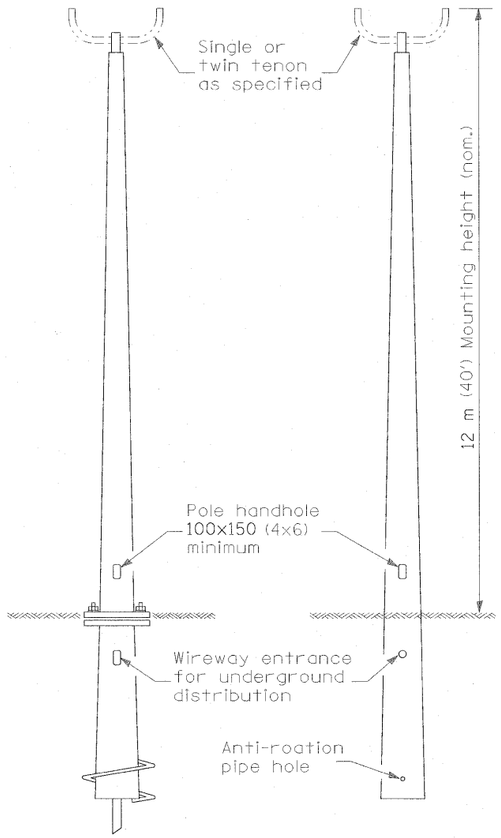


PROPOSED WORK

10' 0' 10' 20' 30' 40'
SCALE: 1" = 20'

UL-01

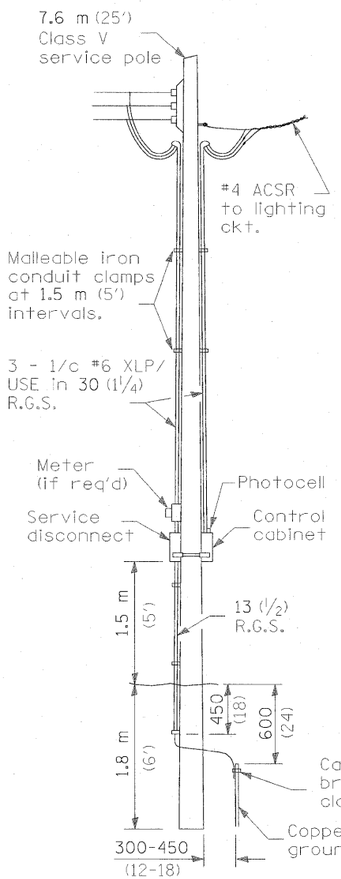
FILE NAME = $FILEA$	USER NAME = lentzt	DESIGNED	JSF	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**LIGHTING PLANS 15TH STREET OVER I-64 UNDERPASS**			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN	JSF	REVISED -					64	82-1-2HB	ST. CLAIR	345	198
	PLOT SCALE = 20.0000 ' / IN.	CHECKED	JPC	REVISED -							CONTRACT NO. 76C49		
	PLOT DATE = 3/18/2010	DATE	03/19/10	REVISED -		SCALE: 1"=20'	SHEET NO. 1 OF 1 SHEETS	STA. N/A TO STA. N/A	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



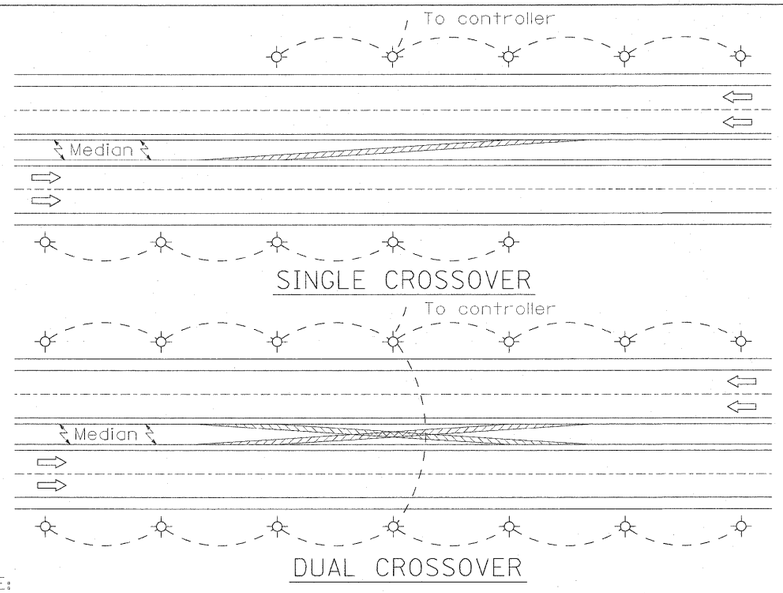
ANCHOR BASE W/ METAL FOUNDATION

BUTT BASE

POLE, FIBERGLASS BREAKAWAY TYPE



SERVICE INSTALLATION



SINGLE CROSSOVER

DUAL CROSSOVER

NOTE:

Min. Pole spacing 60 m (200')
Max. Pole spacing 75 m (250')

Setback shall be min. 9 m (30') or 1.5 m (5') back of ditch, unless breakaway type pole is used.

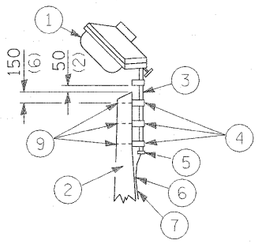
1. Luminaire
2. Wood pole, class 3 or better
3. 63 (2½) Galv. steel conduit
4. Single offset pole band
5. Conduit bushing
6. Cable clamps on 600 (24) centers
7. 2/c #12 Type USE cable
8. 25 (1) Galv. steel conduit 3.0 m (10') in length
9. 16 (⅝) Ø hot dipped galvanized bolt with flat washer & locknut (3 req'd)
10. Conduit clamps on 900 (36) centers
11. Unit duct
12. Threaded reducer
13. "C" Conduiet, threaded
14. 40 (1½) Galv. steel conduit for 1 unit duct or 75 (3) galv. steel conduit for 2 or 3 unit ducts.

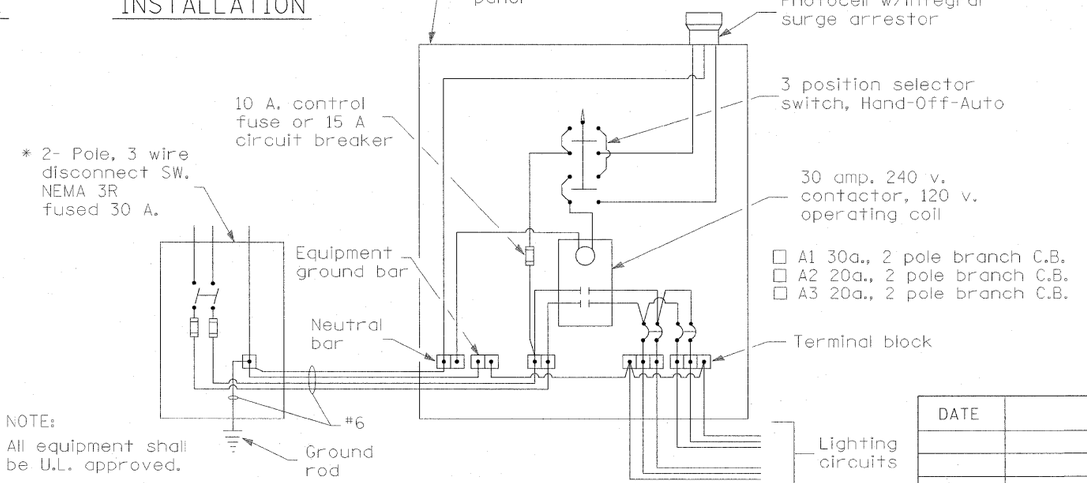
NOTE:

Luminaire(s) shall have a 2-pole inline weatherproof quick disconnect fuse holder.

Luminaire(s) shall be oriented and the mounting angle adjusted as recommented by the Engineer.

Connect luminaire equipment ground to ACSR messenger.



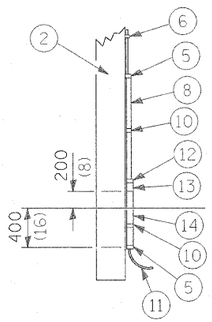


NOTE:

All equipment shall be U.L. approved.

* 30 A. or 60 A., depencent upon utility co. rules.

WIRING DIAGRAM



POLE, WOOD

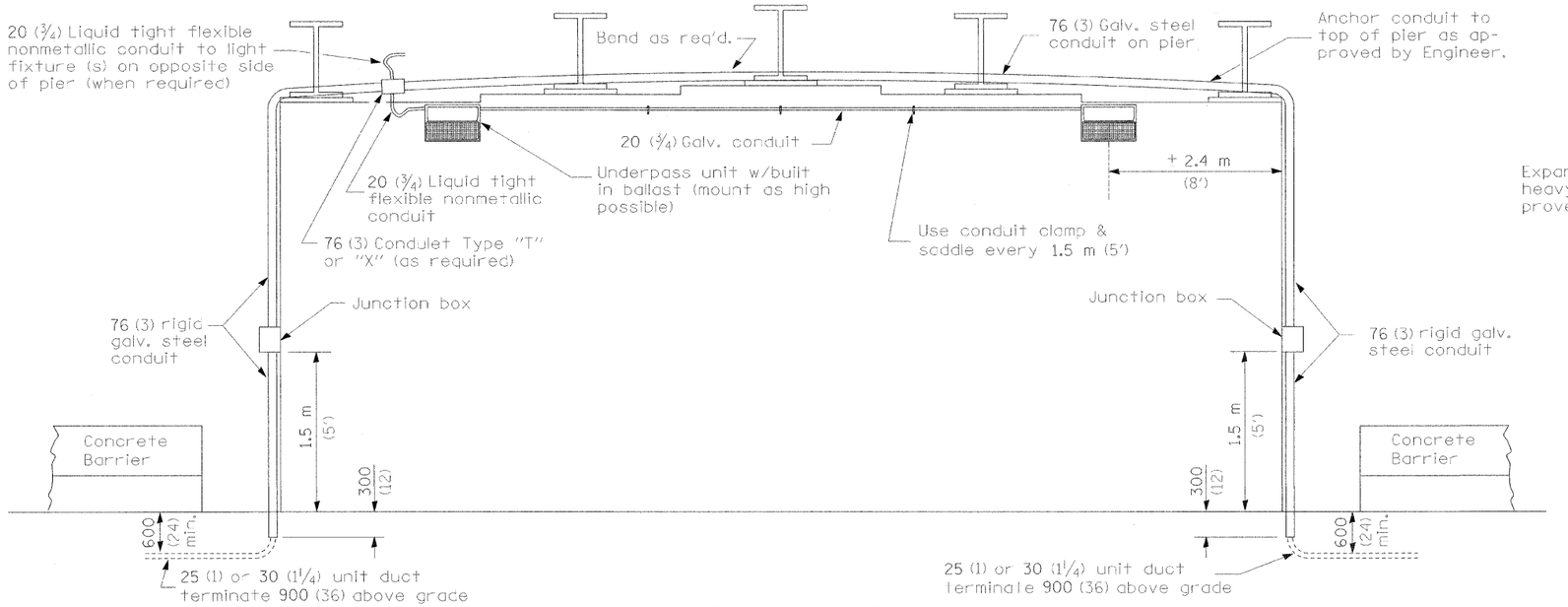
POLE LENGTH	DEPTH IN GROUND
19.8 m (65')	3.6 m (12')
18.0 m (60')	3.0 m (10')
16.8 m (55')	2.7 m (9')
16.0 m (50')	2.4 m (8')
13.7 m (45')	2.1 m (7')
12.0 m (40')	2.0 m (6.5')
10.7 m (35')	1.8 m (6')
9.0 m (30')	1.7 m (5.5')

All dimensions are in millimeters (inches) unless otherwise shown.

DATE	REVISIONS

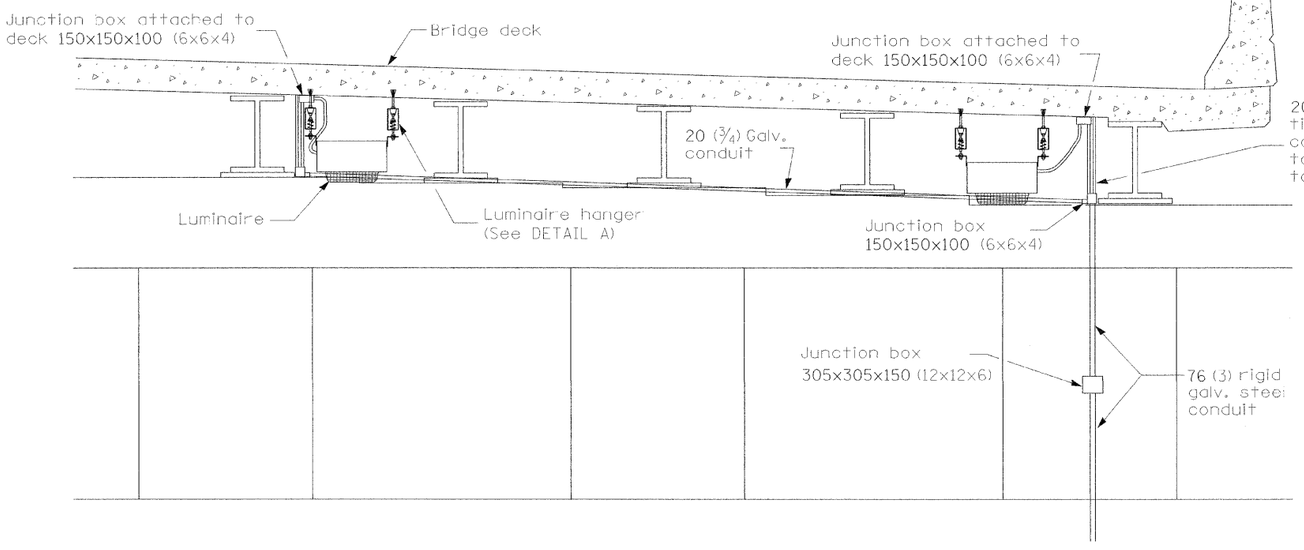
TEMPORARY ROADWAY LIGHTING

LGT014.M32



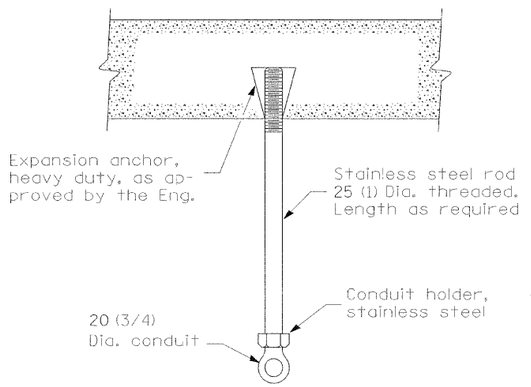
UNDERPASS LIGHTING

(Mounted on Face Pier)

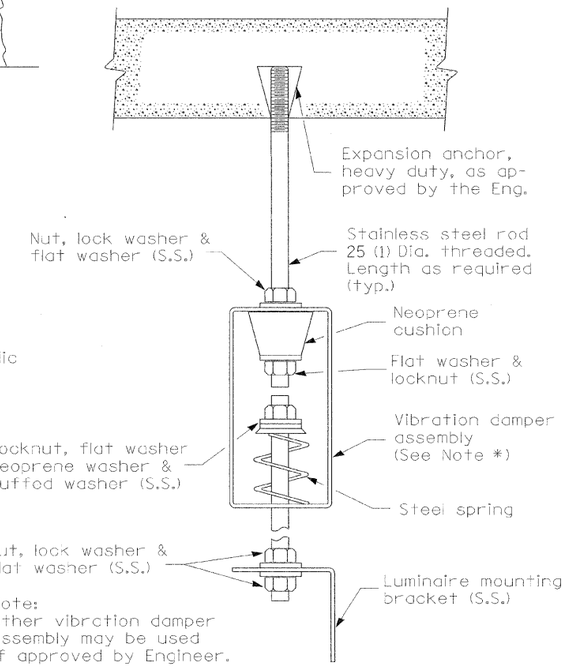


UNDERPASS LIGHTING

(Mounted to Bridge Deck)



CONDUIT HANGER



LUMINAIRE HANGER ASSEMBLY DETAIL A

All dimensions are in millimeters (inches) unless otherwise shown.

DATE	REVISIONS

UNDERPASS LIGHTING