

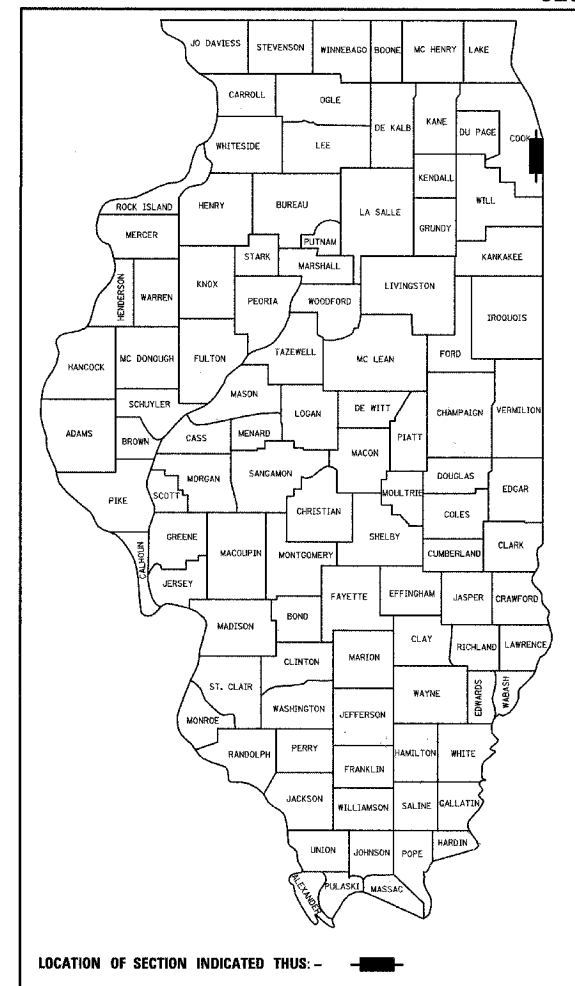
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.I. ROUTE 94 (DAN RYAN EXPRESSWAY)
SECTION (2005-014L)
CONVENTIONAL LIGHTING
(FROM EAST OF HALSTED ST. TO EAST OF UNION
PACIFIC RR AND AT MARTIN LUTHER KING DR. ACCIDENT INVESTIGATION SITE)

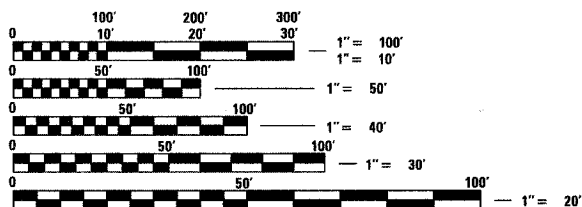
~~PROJECT NO.~~
COOK COUNTY
C-91-173-05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	36	1
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
D-91-421-01	(2005-014L)	62937		



LOCATION OF SECTION INDICATED THIS: -

PROJECT LOCATED IN THE CITY OF CHICAGO



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES; REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

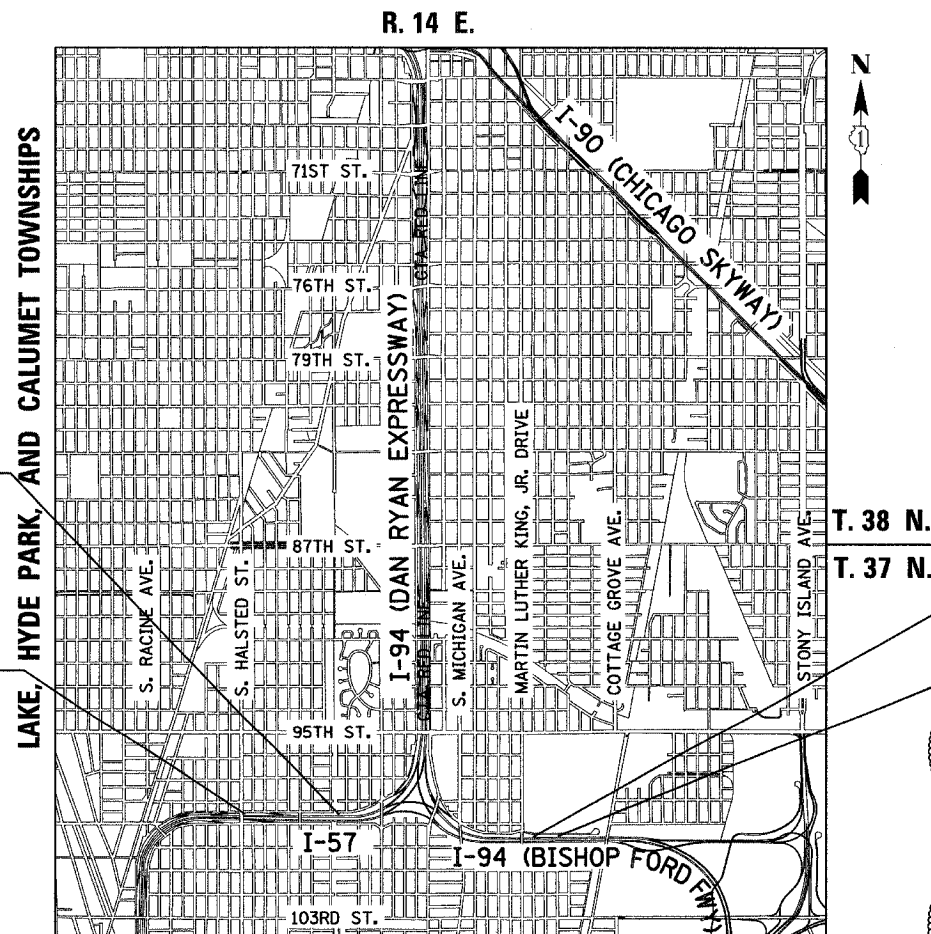
DIGGER:
CHICAGO UTILITY ALERT NETWORK
(312) 744-7000

CTA CONTACT:
MARVIN A. WATSON,
GENERAL MANAGER, CONSTRUCTION
(312) 681-3860

CONTRACT NO. 62937

F.A.I. 57 PROJECT LIMIT
STA. 118+20 (SB I-57)

F.A.I. 57 PROJECT LIMIT
STA. 91+00 (SB I-57)



LOCATION MAP

0 1/2 MILE 1 MILE
GROSS LENGTH OF PROJECT = 3871.0 FT. = 0.73 MI.
NET LENGTH OF PROJECT = 3871.0 FT. = 0.73 MI.
MAP SCALE: 1" = 1/2 MILE

F.A.I. 94 PROJECT LIMIT
STA. 2002+00

F.A.I. 94 PROJECT LIMIT
STA. 1990+49



Signed *Dean A. Kiesling*
Dean A. Kiesling, P.E., Ill. Lic. No. 32957
Expires 11-30-2007.
Date 01-13-06



Signed *Thomas Mikolajewski*
Thomas Mikolajewski, P.E., Ill. Lic. No. 062-056151
Expires 11-30-2007.
Date Jan. 13, 2006
For Drawings Sheets 21-32

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Jan. 18 20 06

Diane M. O'Keefe /cd
DISTRICT ENGINEER

March 24, 2006
Mike Kire /D
ENGINEER OF DESIGN AND ENVIRONMENT

March 24, 2006
Milton R. Suss P.E. /D
DIRECTOR, DIVISION OF HIGHWAYS

CONTRACT 2D

TYL INTERNATIONAL
PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, GENERAL NOTES, SUMMARY OF QUANTITIES, COMMITMENTS, LIST OF IDOT STANDARDS
3-6	CONTRACT 20 (62304) SUGGESTED CONSTRUCTION SEQUENCE (FYI)
7-9	CONTRACT 23 (62593) SUGGESTED CONSTRUCTION SEQUENCE (FYI)
10-13	ALIGNMENT PLAN
14-20	SURVEY TIES FOR CONTROL POINTS
21-24	ROADWAY LIGHTING PLANS - EXISTING AND REMOVAL
25-29	ROADWAY LIGHTING PLANS - PROPOSED IMPROVEMENTS
30-31	SINGLE LINE DIAGRAM LIGHTING CONTROLLERS A & M
32	ALUMINUM LIGHT POLE 47'-6" MOUNTING HEIGHT
33	TC-8: FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS
34	TC-9: TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE
35	TC-17: TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES PARTIAL RAMP CLOSURES
36	TC-22: TEMPORARY INFORMATION SIGNING

COMMITMENTS:

IDOT HAS MADE THE FOLLOWING COMMITMENTS FOR THE PROJECT:

IDOT HAS COMMITTED TO ADDRESS CONSTRUCTION RELATED AIR QUALITY CONCERNS. THESE STRATEGIES INCLUDE REQUIRING DETAILED DUST CONTROL PLANS, REQUIRING THE USE OF CLEANER BURNING DIESEL FUELS ON CERTAIN DIESEL POWERED CONSTRUCTION EQUIPMENT AND/OR THE INSTALLATION OF EXHAUST EMISSION SCRUBBERS, AND THE REDUCTION OF CONSTRUCTION EQUIPMENT IDLING TIMES. THESE STRATEGIES ARE ADDRESSED IN SPECIAL PROVISIONS INCLUDED IN THIS CONTRACT AND DEVELOPED FOR THE DAN RYAN RECONSTRUCTION PROJECT.

GENERAL NOTES:

- UTILITY LOCATIONS SHOWN ON THESE PLANS MAY NOT BE CORRECT OR COMPLETE. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE RESPECTIVE UTILITIES OF THE CITY OF CHICAGO INCLUDING CTA. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "CUAN" (CHICAGO UTILITY ALERT NETWORK) AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, CABLE, AND GAS FACILITIES (48 HOURS NOTIFICATION IS REQUIRED). CONTACT THE CHICAGO DEPARTMENT OF WATER MANAGEMENT PERMIT SECTION AT (312) 747-7893 FOR WATER AND SEWER LOCATIONS.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS. THE ENGINEER OR AN AUTHORIZED SURVEYOR AGENT WILL WITNESS OR OTHERWISE REFERENCE AND RESET MONUMENTS AS NECESSARY. ALL PROPERTY CORNERS EXCEPT THOSE WITHIN AREAS WHERE THE SCHEDULE, IF PROVIDED, SHOWS PLACEMENT OF R.O.W. MARKERS SHALL REMAIN UNDISTURBED.
- THE CONTRACTOR SHALL NOT SET UP A YARD OR FIELD OFFICE ON IDOT PROPERTY WITHOUT PRIOR WRITTEN PERMISSION FROM IDOT.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT AND PROVIDE ACCESS TO ADJUTING PROPERTY, UTILITIES, PEDESTRIANS, AND VEHICULAR TRAFFIC.
- NIGHT OPERATIONS: WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTION IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AS WELL AS THE ADJOINING RESIDENTIAL AREAS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT NO GAP REMAINS BETWEEN PROPOSED FENCING OR WHERE PROPOSED FENCING TERMINATES AND EXISTING FENCE REMAINS IN PLACE.
- ALL ELEVATIONS SHOWN ARE BASED ON THE CHICAGO CITY DATUM OF 0.00, WHICH IS 579.19 FEET ABOVE MEAN TIDE NEW YORK. (NAVD 88)
- THE ENGINEER SHALL HAVE ACCESS TO THE FIELD OFFICE IN CONTRACT #62304.

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY	URBAN 100% STATE Y030-1E
67100100	MOBILIZATION	L SUM	1	1
81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	10	10
81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	9074	9074
82102310	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT	EACH	37	37
83050810	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	37	37
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	16	16
84100110	REMOVAL OF TEMPORARY LIGHTING UNITS	EACH	12	12
84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	18	18
87000214	ELECTRICAL CABLE ASSEMBLY IN CONDUIT, 600V (EPR-TYPE TC) 3/C NO. 2 AND NO. 4 GROUND	FOOT	98	98
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	103	103
X0323360	WOODEN POLE REMOVAL	EACH	3	3
X0323574	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	20	20
X7015000	CHANGEABLE MESSAGE SIGN	CAL MO	6	6
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	1	1
X8100045	CONDUIT ENCASED, REINFORCED CONCRETE, 1-3" DIA., CNC	FOOT	50	50
X8110121	CONDUIT ATTACHED TO STRUCTURE, 3" DIA. GALVANIZED STEEL, PVC COATED	FOOT	190	190
X8160380	UNIT DUCT, WITH 3-1/C NO. 2 AND 1/C NO. 4 GROUND, 600V (EPR-TYPE RHW), 1 1/4" DIA., POLYETHYLENE	FOOT	10183	10183
XX004046	AERIAL CABLE REMOVAL	FOOT	2700	2700
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1	1

IDOT HIGHWAY STANDARDS

STANDARD	DESCRIPTION
701101-01	OFF-ROAD OPERATIONS, MULTILANE, <15' FROM PAVEMENT EDGE
701400-02	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-03	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-03	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH
701426-02	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH
702001-06	TRAFFIC CONTROL DEVICES

©-SFTY-3C

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

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

INDEX OF SHEETS, GENERAL NOTES,
COMMITMENTS, SUMMARY OF QUANTITIES
AND IDOT STANDARDS

SCALE: NONE DRAWN BY: AMB
DATE: JANUARY 13, 2006 CHECKED BY: TGB

Rev.

2/23/2006 11:23 AM

ID	Task Name	# Crews	Duration	Start	Finish	Qtr 3, 2006				Qtr 4, 2006			Qtr 1, 2007			Qtr 2, 2007			Qtr 3, 2007			Qtr 4, 2007		
						Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	PUBLIC NOTIFICATION (2 weeks)	-	0 days	Mon 7/17/06	Mon 7/17/06		◆ 7/17																	
2	traffic control and protection	-	349 days	Mon 7/17/06	Thu 11/15/07																			
3	BEGIN SB I-94 STAGE 1	-	0 days	Tue 8/1/06	Tue 8/1/06		◆ 8/1																	
4	temporary pavement (MOT) (pre-stage)	1	2 days	Tue 8/1/06	Wed 8/2/06																			
5	pavement marking removal (pre-stage)	1	4 days	Tue 8/1/06	Fri 8/4/06																			
6	temporary pvt markings (pre-stage)	2	7 days	Tue 8/1/06	Wed 8/9/06																			
7	temporary concrete barrier (pre-stage)	3	10 days	Thu 8/3/06	Wed 8/16/06																			
8	curb & gutter removal	2	10 days	Wed 8/9/06	Tue 8/22/06																			
9	concrete barrier removal	1	9 days	Wed 8/9/06	Mon 8/21/06																			
10	pavement removal	3	13 days	Wed 8/9/06	Fri 8/25/06																			
11	paved shoulder removal	2	10 days	Wed 8/9/06	Tue 8/22/06																			
12	structure excavation (sewer saddle)	1	1 day	Mon 8/28/06	Mon 8/28/06																			
13	reinf. bars epoxy ctd. (sewer saddle)	1	3 days	Tue 8/29/06	Thu 8/31/06																			
14	concrete structures (sewer saddle)	1	3 days	Fri 9/1/06	Tue 9/5/06																			
15	tunnel ceiling repair (contract 62593)	1	5 days	Thu 8/17/06	Wed 8/23/06																			
16	earth excavation	3	10 days	Thu 8/24/06	Wed 9/6/06																			
17	sign panels	1	1 day	Thu 9/7/06	Thu 9/7/06																			
18	manholes	2	13 days	Fri 8/18/06	Tue 9/5/06																			
19	catch basins	3	16 days	Fri 8/18/06	Fri 9/8/06																			
20	storm sewer (jacked in place)	1	5 days	Thu 9/7/06	Wed 9/13/06																			
21	storm sewer 36" to 48"	1	6 days	Thu 9/7/06	Thu 9/14/06																			
22	storm sewer 12" to 30"	3	18 days	Tue 8/29/06	Thu 9/21/06																			
23	trench backfill	3	21 days	Wed 8/30/06	Wed 9/27/06																			
24	subbase gran. mat. 24"	3	14 days	Tue 9/19/06	Fri 10/6/06																			
25	stabilized subbase 6"	3	10 days	Tue 10/3/06	Mon 10/16/06																			
26	CRC pavement, 14"	3	10 days	Wed 10/11/06	Tue 10/24/06																			
27	PCC shoulders, 14"	2	7 days	Fri 10/20/06	Mon 10/30/06																			
28	concrete curb and gutter	2	8 days	Thu 10/26/06	Mon 11/6/06																			
29	conc. median surf.	2	5 days	Tue 11/7/06	Mon 11/13/06																			
30	concrete barrier base	2	9 days	Thu 10/26/06	Tue 11/7/06																			
31	concrete barrier	3	8 days	Thu 11/2/06	Mon 11/13/06																			
32	topsoil furnish & place	2	3 days	Fri 11/10/06	Tue 11/14/06																			
33	seeding class 2A	1	2 days	Mon 11/13/06	Tue 11/14/06																			
34	erosion control blanket	3	8 days	Mon 11/13/06	Wed 11/22/06																			
35	bituminous surface removal (MOT)	1	4 days	Wed 10/25/06	Mon 10/30/06																			
36	temporary pavement (MOT)	1	6 days	Tue 10/31/06	Tue 11/7/06																			
37	pavement marking removal	2	10 days	Tue 11/14/06	Mon 11/27/06																			
38	temporary pavement marking	2	3 days	Fri 11/24/06	Tue 11/28/06																			
39	temporary concrete barrier	3	5 days	Fri 11/24/06	Thu 11/30/06																			
40	STAGE 1 COMPLETION DATE	-	0 days	Thu 11/30/06	Thu 11/30/06																			◆ 11/30

Project: 20 Construction Schedule
Date: Thu 11/3/05

Task: [Pattern] Milestone: ◆
Progress: [Pattern] Summary: [Pattern]

Rolled Up Task: [Pattern] Rolled Up Milestone: ◇
Rolled Up Progress: [Pattern] Split: [Pattern]

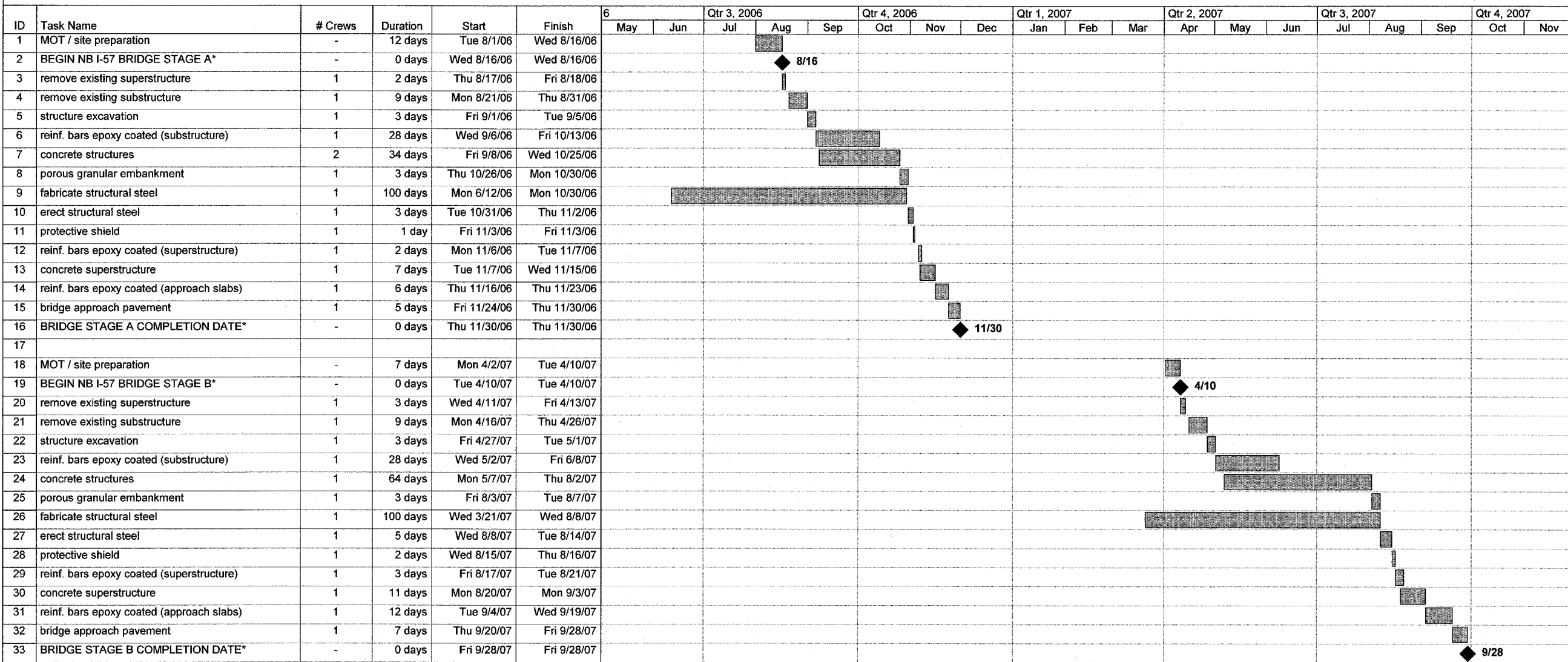
External Tasks: [Pattern] Project Summary: [Pattern]
Group By Summary: [Pattern]

FOR INFORMATION ONLY

NOTES:
1. COORDINATION OF CONSTRUCTION WITH CONTRACT 62304 WILL BE REQUIRED AND SHALL BE CONSIDERED A HIGH PRIORITY.

REVISIONS	
NAME	DATE

CONTRACT 62304



Project: 20 Construction Schedule
Date: Fri 11/4/05



* BRIDGE STAGING DOESN'T CORRELATE TO MAINLINE STAGING

FOR INFORMATION ONLY

REVISIONS	
NAME	DATE

CONTRACT 62593

ID	Task Name	# Crews	Duration	Start	Finish	Qtr 3, 2006			Qtr 4, 2006			Qtr 1, 2007			Qtr 2, 2007			Qtr 3, 2007			Qtr 4, 2007		
						Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
1	PUBLIC NOTIFICATION (2 weeks)	-	0 days	Mon 7/17/06	Mon 7/17/06		7/17																
2	traffic control and protection	-	349 days	Mon 7/17/06	Thu 11/15/07																		
3	BEGIN SB I-94 STAGE 1	-	0 days	Tue 8/1/06	Tue 8/1/06		8/1																
4	temporary pavement (MOT) (pre-stage)	1	3 days	Tue 8/1/06	Thu 8/3/06																		
5	pavement marking removal (pre-stage)	1	6 days	Tue 8/1/06	Tue 8/8/06																		
6	temporary pvmnt markings (pre-stage)	2	4 days	Mon 8/7/06	Thu 8/10/06																		
7	temporary concrete barrier (pre-stage)	2	12 days	Wed 8/9/06	Thu 8/24/06																		
8	curb & gutter removal	2	9 days	Mon 8/21/06	Thu 8/31/06																		
9	concrete barrier removal	1	4 days	Mon 8/21/06	Thu 8/24/06																		
10	pavement removal	3	12 days	Mon 8/21/06	Tue 9/5/06																		
11	paved shoulder removal	2	7 days	Mon 8/21/06	Tue 8/29/06																		
12	Tunnel Ceiling Repair	1	5 days	Fri 8/25/06	Thu 8/31/06																		
13	formed concrete repair	1	6 days	Fri 8/25/06	Fri 9/1/06																		
14	structure excavation	1	1 day	Wed 9/6/06	Wed 9/6/06																		
15	reinf. bars epoxy ctd.	1	7 days	Thu 9/7/06	Fri 9/15/06																		
16	concrete structures	1	9 days	Mon 9/18/06	Thu 9/28/06																		
17	earth excavation	2	16 days	Wed 8/30/06	Wed 9/20/06																		
18	overhead sign foundations	1	4 days	Thu 9/21/06	Tue 9/26/06																		
19	sign panels	1	1 day	Wed 9/27/06	Wed 9/27/06																		
20	storm sewer (jacked in place)	1	10 days	Wed 8/30/06	Tue 9/12/06																		
21	manholes	2	10 days	Wed 8/30/06	Tue 9/12/06																		
22	drop manholes	1	4 days	Wed 8/30/06	Mon 9/4/06																		
23	catch basins	3	14 days	Wed 8/30/06	Mon 9/18/06																		
24	storm sewer 36" to 48"	1	2 days	Wed 9/13/06	Thu 9/14/06																		
25	storm sewer 12" to 30"	3	21 days	Wed 9/13/06	Wed 10/11/06																		
26	trench backfill	3	21 days	Thu 9/14/06	Thu 10/12/06																		
27	subbase gran. mat. 24"	3	9 days	Fri 10/6/06	Wed 10/18/06																		
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34	concrete barrier	2	8 days	Tue 11/7/06	Thu 11/16/06																		
35	topsoil furnish & place	2	3 days	Wed 11/15/06	Fri 11/17/06																		
36	seeding class 2A	1	2 days	Thu 11/16/06	Fri 11/17/06																		
37	erosion control blanket	3	8 days	Fri 11/17/06	Tue 11/28/06																		
38	bituminous surface removal (MOT)	1	4 days	Thu 11/2/06	Tue 11/7/06																		
39	temporary pavement (MOT)	1	5 days	Wed 11/8/06	Tue 11/14/06																		
40	pavement marking removal	2	6 days	Fri 11/17/06	Fri 11/24/06																		
41	temporary pavement marking	1	4 days	Wed 11/22/06	Mon 11/27/06																		
42	temporary concrete barrier	2	6 days	Thu 11/23/06	Thu 11/30/06																		
43	STAGE 1 COMPLETION DATE	-	0 days	Thu 11/30/06	Thu 11/30/06																		

Project: 23 Construction Schedule
Date: Mon 10/24/05

Task		Milestone		Rolled Up Task		Rolled Up Progress		External Tasks		Group By Summary	
Progress		Summary		Rolled Up Milestone		Split		Project Summary			

FOR INFORMATION ONLY

NOTES:

1. COORDINATION OF CONSTRUCTION WITH CONTRACT 62304 WILL BE REQUIRED AND SHALL BE CONSIDERED A HIGH PRIORITY.

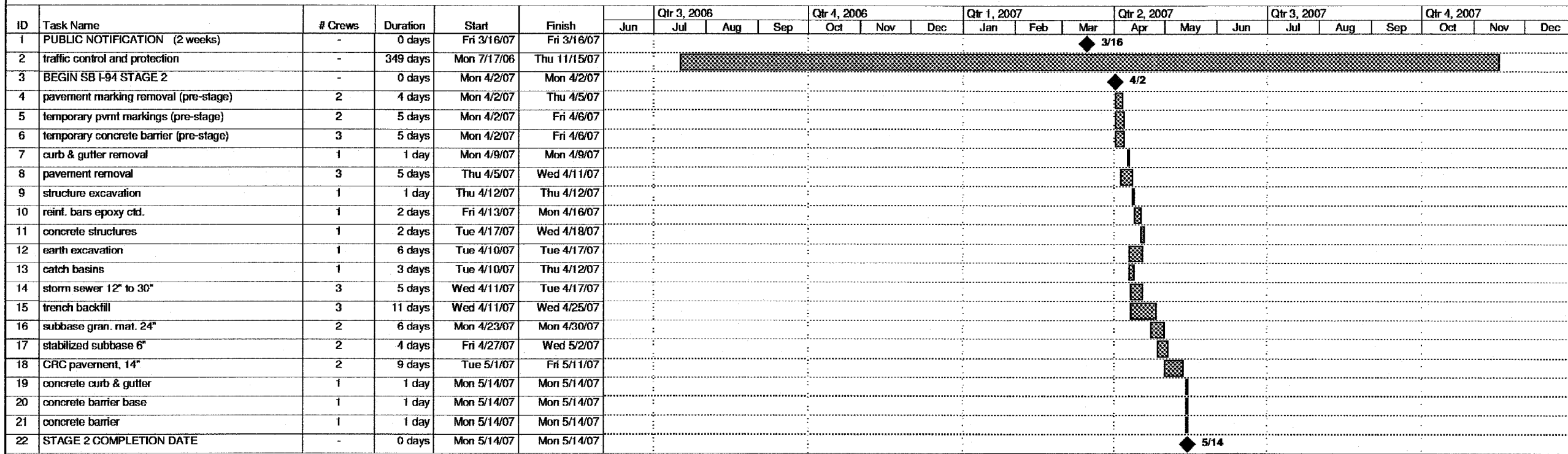
REVISIONS	
NAME	DATE

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

CONTRACT 23
SUGGESTED CONSTRUCTION SEQUENCE
STAGE 1

SCALE: NONE
DATE: JANUARY 13, 2006
DRAWN BY: JJS
CHECKED BY: TGB

CONTRACT 62593



Project: 23 Construction Schedule
Date: Mon 10/24/05

Task		Milestone		Rolled Up Task		Rolled Up Progress		External Tasks		Group By Summary	
Progress		Summary		Rolled Up Milestone		Split		Project Summary			

FOR INFORMATION ONLY

TYLIN INTERNATIONAL

NOTES:
1. COORDINATION OF CONSTRUCTION WITH CONTRACT 62304 WILL BE REQUIRED AND SHALL BE CONSIDERED A HIGH PRIORITY.

REVISIONS	
NAME	DATE

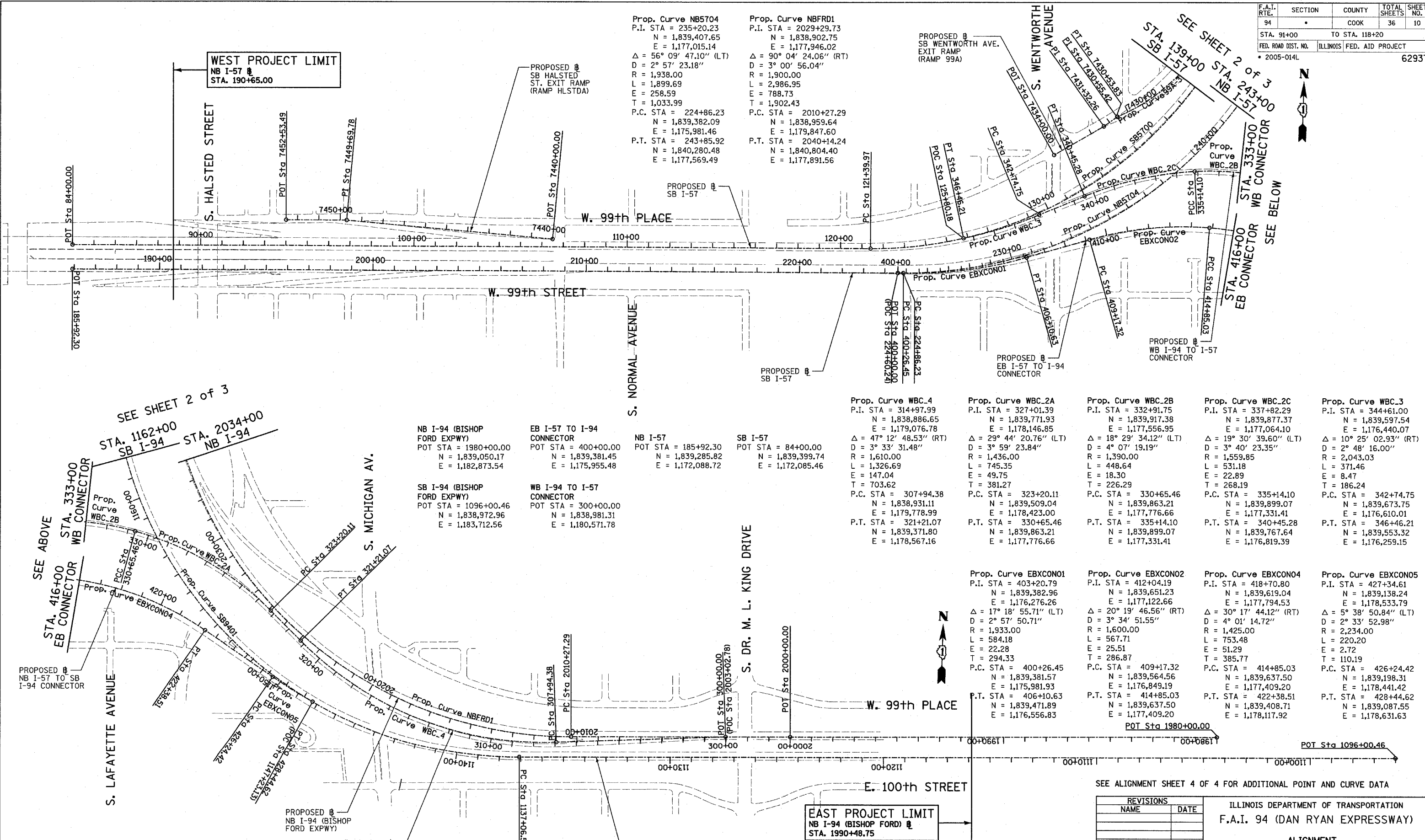
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)

CONTRACT 23
SUGGESTED CONSTRUCTION SEQUENCE
STAGE 2

SCALE: NONE
DATE: JANUARY 13, 2006

DRAWN BY: JJS
CHECKED BY: TGB

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	36	10
STA. 91+00		TO STA. 118+20		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
2005-014L		62937		



Prop. Curve NB5704
 P.I. STA = 235+20.23
 N = 1,839,407.65
 E = 1,177,015.14
 $\Delta = 56^\circ 09' 47.10''$ (LT)
 D = $2^\circ 57' 23.18''$
 R = 1,938.00
 L = 1,899.69
 E = 258.59
 T = 1,033.99
 P.C. STA = 224+86.23
 N = 1,839,382.09
 E = 1,175,981.46
 P.T. STA = 243+85.92
 N = 1,840,280.48
 E = 1,177,569.49

Prop. Curve NBFRD1
 P.I. STA = 2029+29.73
 N = 1,838,902.75
 E = 1,177,946.02
 $\Delta = 90^\circ 04' 24.06''$ (RT)
 D = $3^\circ 00' 56.04''$
 R = 1,900.00
 L = 2,986.95
 E = 788.73
 T = 1,902.43
 P.C. STA = 2010+27.29
 N = 1,838,959.64
 E = 1,179,847.60
 P.T. STA = 2040+14.24
 N = 1,840,804.40
 E = 1,177,891.56

Prop. Curve WBC_4
 P.I. STA = 314+97.99
 N = 1,838,886.65
 E = 1,179,076.78
 $\Delta = 47^\circ 12' 48.53''$ (RT)
 D = $3^\circ 33' 31.48''$
 R = 1,610.00
 L = 1,326.69
 E = 147.04
 T = 703.62
 P.C. STA = 307+94.38
 N = 1,838,931.11
 E = 1,179,778.99
 P.T. STA = 321+21.07
 N = 1,839,371.80
 E = 1,178,567.16

Prop. Curve WBC_2A
 P.I. STA = 327+01.39
 N = 1,839,771.93
 E = 1,178,146.85
 $\Delta = 29^\circ 44' 20.76''$ (LT)
 D = $3^\circ 59' 23.84''$
 R = 1,436.00
 L = 745.35
 E = 49.75
 T = 381.27
 P.C. STA = 323+20.11
 N = 1,839,509.04
 E = 1,178,423.00
 P.T. STA = 330+65.46
 N = 1,839,863.21
 E = 1,177,776.66

Prop. Curve WBC_2B
 P.I. STA = 332+91.75
 N = 1,839,917.38
 E = 1,177,556.95
 $\Delta = 18^\circ 29' 34.12''$ (LT)
 D = $4^\circ 07' 19.19''$
 R = 1,390.00
 L = 448.64
 E = 18.30
 T = 226.29
 P.C. STA = 330+65.46
 N = 1,839,863.21
 E = 1,177,776.66
 P.T. STA = 335+14.10
 N = 1,839,899.07
 E = 1,177,331.41

Prop. Curve WBC_2C
 P.I. STA = 337+82.29
 N = 1,839,877.37
 E = 1,177,064.10
 $\Delta = 19^\circ 30' 39.60''$ (LT)
 D = $3^\circ 40' 23.35''$
 R = 1,559.85
 L = 531.18
 E = 22.89
 T = 268.19
 P.C. STA = 335+14.10
 N = 1,839,899.07
 E = 1,177,331.41
 P.T. STA = 340+45.28
 N = 1,839,767.64
 E = 1,176,819.39

Prop. Curve WBC_3
 P.I. STA = 344+61.00
 N = 1,839,597.54
 E = 1,176,440.07
 $\Delta = 10^\circ 25' 02.93''$ (RT)
 D = $2^\circ 48' 16.00''$
 R = 2,043.03
 L = 371.46
 E = 8.47
 T = 186.24
 P.C. STA = 342+74.75
 N = 1,839,673.75
 E = 1,176,610.01
 P.T. STA = 346+46.21
 N = 1,839,553.32
 E = 1,176,259.15

Prop. Curve EBXC01
 P.I. STA = 403+20.79
 N = 1,839,382.96
 E = 1,176,276.26
 $\Delta = 17^\circ 18' 55.71''$ (LT)
 D = $2^\circ 57' 50.71''$
 R = 1,933.00
 L = 584.18
 E = 22.28
 T = 294.33
 P.C. STA = 400+26.45
 N = 1,839,381.57
 E = 1,175,981.93
 P.T. STA = 406+10.63
 N = 1,839,471.89
 E = 1,176,556.83

Prop. Curve EBXC02
 P.I. STA = 412+04.19
 N = 1,839,651.23
 E = 1,177,122.66
 $\Delta = 20^\circ 19' 46.56''$ (RT)
 D = $3^\circ 34' 51.55''$
 R = 1,600.00
 L = 567.71
 E = 51.29
 T = 286.87
 P.C. STA = 409+17.32
 N = 1,839,564.56
 E = 1,176,849.19
 P.T. STA = 414+85.03
 N = 1,839,637.50
 E = 1,177,409.20

Prop. Curve EBXC04
 P.I. STA = 418+70.80
 N = 1,839,619.04
 E = 1,177,794.53
 $\Delta = 30^\circ 17' 44.12''$ (RT)
 D = $4^\circ 01' 14.72''$
 R = 1,425.00
 L = 753.48
 E = 51.29
 T = 385.77
 P.C. STA = 414+85.03
 N = 1,839,637.50
 E = 1,177,409.20
 P.T. STA = 422+38.51
 N = 1,839,408.71
 E = 1,178,117.92

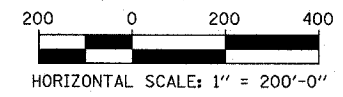
Prop. Curve EBXC05
 P.I. STA = 427+34.61
 N = 1,839,138.24
 E = 1,178,533.79
 $\Delta = 5^\circ 38' 50.84''$ (LT)
 D = $2^\circ 33' 52.98''$
 R = 2,234.00
 L = 220.20
 E = 2.72
 T = 110.19
 P.C. STA = 426+24.42
 N = 1,839,198.31
 E = 1,178,441.42
 P.T. STA = 428+44.62
 N = 1,839,087.55
 E = 1,178,631.63

SEE SHEET 2 of 3
 STA. 1162+00
 SB I-94
 STA. 2034+00
 NB I-94

SEE ALIGNMENT SHEET 4 OF 4 FOR ADDITIONAL POINT AND CURVE DATA

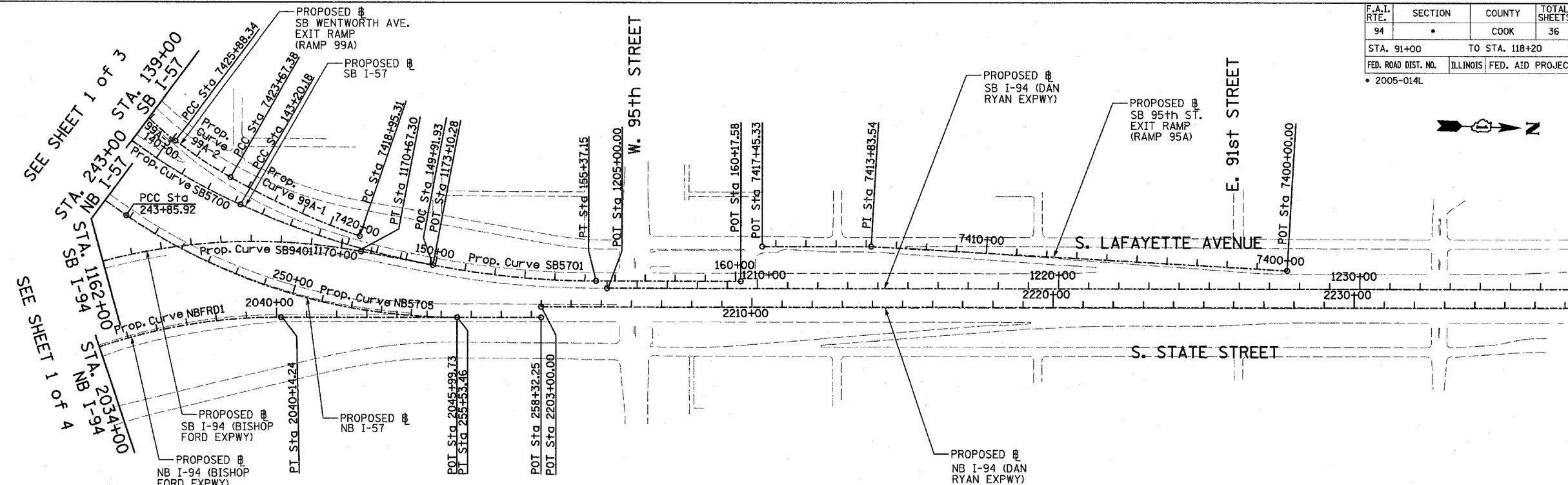
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 ALIGNMENT
 SHEET 1 OF 4
 SCALE: 1"=200'-0"
 DATE: JANUARY 13, 2006
 DRAWN BY: JPM
 CHECKED BY: DAK

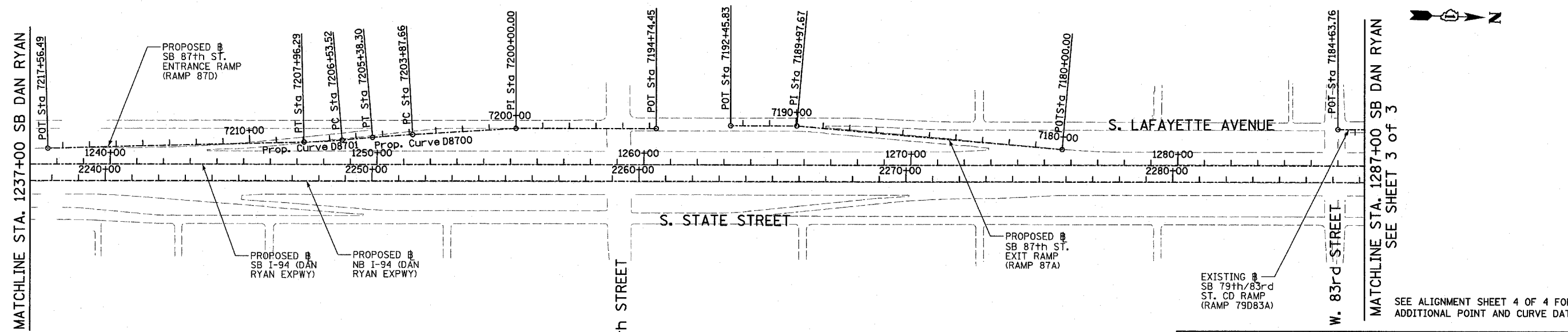


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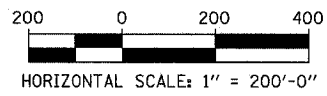
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	36	11
STA. 91+00		TO STA. 118+20		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 2005-014L		62937		



<p>Prop. Curve SB5700 P.I. STA = 133+70.06 N = 1,839,521.70 E = 1,177,054.03 Δ = 66° 11' 55.15" (LT) D = 3° 02' 10.83" R = 1,887.00 L = 2,180.21 E = 365.53 T = 1,230.09 P.C. STA = 121+39.97 N = 1,839,491.52 E = 1,175,824.31 P.T. STA = 143+20.18 N = 1,840,659.02 E = 1,177,522.68</p>	<p>Prop. Curve SB5701 P.I. STA = 149+37.75 N = 1,841,230.00 E = 1,177,757.97 Δ = 24° 02' 07.49" (LT) D = 1° 58' 30.13" R = 2,901.00 L = 1,216.96 E = 65.01 T = 617.56 P.C. STA = 143+20.18 N = 1,840,659.02 E = 1,177,522.68 P.T. STA = 155+37.15 N = 1,841,847.31 E = 1,177,740.29</p>	<p>Prop. Curve NB5705 P.I. STA = 249+87.51 N = 1,840,788.31 E = 1,177,892.02 Δ = 34° 03' 37.98" (LT) D = 2° 55' 02.28" R = 1,964.00 L = 1,167.54 E = 90.07 T = 601.59 P.C. STA = 243+85.92 N = 1,840,280.48 E = 1,177,569.49 P.T. STA = 255+53.46 N = 1,841,389.65 E = 1,177,874.80</p>	<p>Prop. Curve SB9401 P.I. STA = 1160+15.97 N = 1,838,783.95 E = 1,177,299.83 Δ = 100° 48' 58.07" (RT) D = 2° 59' 59.20" R = 1,910.00 L = 3,360.79 E = 1,086.95 T = 2,309.46 P.C. STA = 1137+06.52 N = 1,838,851.99 E = 1,179,608.28 P.T. STA = 1170+67.30 N = 1,841,064.16 E = 1,177,666.20</p>	<p>SB I-94 (DAN RYAN EXPWY) POT STA = 1205+00.00 N = 1,841,884.04 E = 1,177,763.25</p>	<p>SB I-57 POT STA = 160+17.58 N = 1,842,327.55 E = 1,177,726.54</p> <p>NB I-57 POT STA = 258+32.25 N = 1,841,668.33 E = 1,177,866.82</p> <p>NB I-94 (DAN RYAN EXPWY) POT STA = 2203+00.00 N = 1,841,667.31 E = 1,177,830.83</p>	<p>SB I-94 (BISHOP FORD EXPWY) POT STA = 1173+10.28 N = 1,841,304.06 E = 1,177,704.74</p> <p>NB I-94 (BISHOP FORD EXPWY) POT STA = 2045+99.73 N = 1,841,389.65 E = 1,177,874.80</p>
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REVISIONS	
NAME	DATE

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

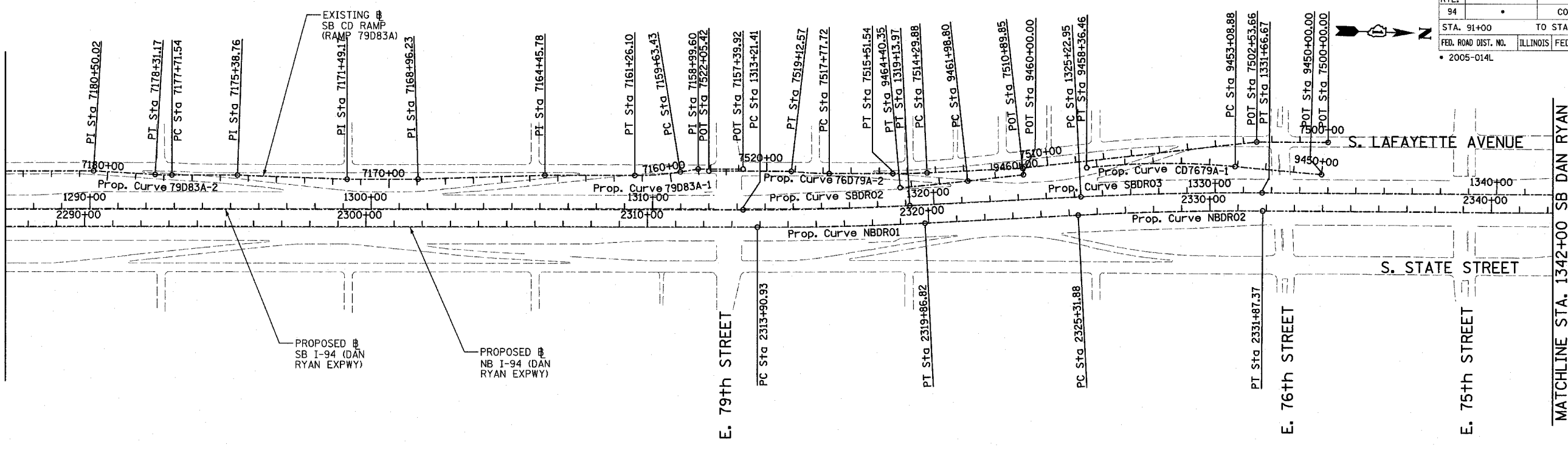
ALIGNMENT
SHEET 2 OF 4

SCALE: 1"=200'
DATE: JANUARY 13, 2006

DRAWN BY: JPM
CHECKED BY: DAK

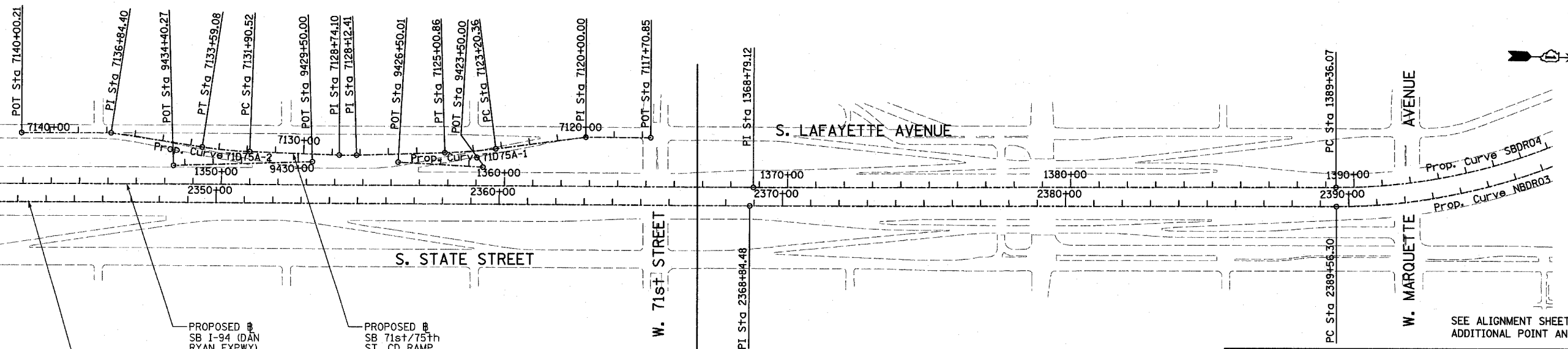
SEE ALIGNMENT SHEET 4 OF 4 FOR ADDITIONAL POINT AND CURVE DATA

SEE SHEET 2 OF 3
MATCHLINE STA. 1287+00 SB DAN RYAN



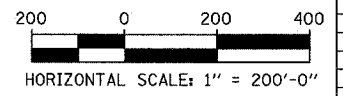
Prop. Curve	P.I. STA	N	E	Δ	D	R	L	T	P.C. STA	N	E	P.T. STA	N	E
Prop. Curve NBDRO1	2316+88.94	1,853,051.58	1,177,504.84	2° 58' 38.60" (LT)	0° 29' 58.77"	11,467.00	595.89	3.87	2313+90.93	1,852,753.69	1,177,513.37	2319+86.82	1,853,348.62	1,177,480.85
Prop. Curve NBDRO2	2328+57.71	1,854,218.69	1,177,410.58	3° 16' 48.34" (RT)	0° 30' 01.44"	11,450.00	595.49	4.69	2325+31.88	1,853,891.91	1,177,436.97	2331+87.37	1,854,546.43	1,177,402.92
Prop. Curve NBDRO3	2398+13.58	1,861,170.38	1,177,231.19	44° 36' 17.12" (LT)	2° 44' 29.13"	2,090.00	1,627.06	168.99	2389+56.30	1,860,313.48	1,177,256.19	2405+83.37	1,861,762.92	1,176,611.65
Prop. Curve SBDRO2	1316+17.76	1,852,997.25	1,177,445.02	2° 58' 38.60" (LT)	0° 30' 08.86"	11,403.00	592.56	3.85	1313+21.41	1,852,701.02	1,177,453.50	1319+13.97	1,853,292.63	1,177,421.16
Prop. Curve SBDRO3	1328+44.90	1,854,220.54	1,177,346.22	3° 16' 11.04" (RT)	0° 30' 28.59"	11,280.00	643.72	4.59	1325+22.95	1,853,899.63	1,177,372.14	1331+66.67	1,854,542.40	1,177,338.64
Prop. Curve SBDRO4	1397+75.78	1,861,149.16	1,177,163.97	44° 32' 58.56" (LT)	2° 47' 41.70"	2,050.00	1,593.95	165.31	1389+36.07	1,860,309.83	1,177,189.29	1405+30.02	1,861,729.54	1,176,557.11

MATCHLINE STA. 1342+00 SB DAN RYAN



PROPOSED # NB I-94 (DAN RYAN EXPWY)
PROPOSED # SB I-94 (DAN RYAN EXPWY)
PROPOSED # SB 71st/75th ST. CD RAMP (RAMP 71D75A)

NB PROJECT LIMIT
NB I-94 (DAN RYAN) @
STA. 2367+00.00



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
ALIGNMENT
SHEET 3 OF 4
SCALE: 1"=200'
DATE: JANUARY 13, 2006
DRAWN BY: JPM
CHECKED BY: DAK

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	36	13
STA. 91+00		TO STA. 118+20		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 2005-014L				62937

SB HALSTED ST.
EXIT RAMP
(RAMP HLSTDA)
POT STA = 7440+00.00
N = 1,839,490.94
E = 1,174,333.70
P.I. STA = 7449+69.78
N = 1,839,551.73
E = 1,173,365.83
POT STA = 7452+53.49
N = 1,839,544.76
E = 1,173,082.20

SB WENTWORTH AVE.
EXIT RAMP
(RAMP 99A)
POT STA = 7430+55.42
N = 1,840,141.17
E = 1,176,961.02
POT STA = 7431+32.26
N = 1,840,094.48
E = 1,176,899.99
POT STA = 7434+00.00
N = 1,839,955.89
E = 1,176,670.92

SB 95th ST. EXIT RAMP
(RAMP 95A)
POT STA = 7400+00.00
N = 1,844,139.73
E = 1,177,638.63
P.I. STA = 7413+83.54
N = 1,842,756.77
E = 1,177,598.60
POT STA = 7417+45.33
N = 1,842,395.13
E = 1,177,608.95

SB 87th ST.
ENTRANCE RAMP
(RAMP 87D)
POT STA = 7194+74.45
N = 1,847,424.06
E = 1,177,468.58
P.I. STA = 7200+00.00
N = 1,846,898.74
E = 1,177,484.09
POT STA = 7217+56.49
N = 1,845,147.17
E = 1,177,609.78

SB 87th ST. EXIT RAMP
(RAMP 87A)
POT STA = 7180+00.00
N = 1,848,946.30
E = 1,177,501.00
P.I. STA = 7189+97.67
N = 1,847,950.35
E = 1,177,442.53
POT STA = 7192+45.83
N = 1,847,702.29
E = 1,177,449.63

Prop. Curve 99A-1
P.I. STA = 7421+32.05
N = 1,840,832.05
E = 1,177,544.75
 $\Delta = 10^\circ 49' 08.53''$ (RT)
D = 2° 17' 30.59"
R = 2,500.00
L = 472.07
E = 11.18
T = 236.74
P.C. STA = 7418+95.31
N = 1,841,058.12
E = 1,177,615.03
P.T. STA = 7423+67.38
N = 1,840,623.20
E = 1,177,433.29

Prop. Curve 99A-2
P.I. STA = 7424+78.02
N = 1,840,525.59
E = 1,177,381.20
 $\Delta = 7^\circ 26' 49.68''$ (RT)
D = 3° 22' 13.22"
R = 1,700.00
L = 220.96
E = 3.60
T = 110.64
P.C. STA = 7423+67.38
N = 1,840,623.20
E = 1,177,433.29
P.T. STA = 7425+88.34
N = 1,840,435.56
E = 1,177,316.90

Prop. Curve 99A-3
P.I. STA = 7428+26.42
N = 1,840,241.82
E = 1,177,178.53
 $\Delta = 29^\circ 38' 02.27''$ (RT)
D = 6° 21' 58.31"
R = 900.00
L = 465.49
E = 30.96
T = 238.08
P.C. STA = 7425+88.34
N = 1,840,435.56
E = 1,177,316.90
P.T. STA = 7430+53.83
N = 1,840,141.84
E = 1,176,962.46

Prop. Curve D8700
P.I. STA = 7204+62.99
N = 1,846,437.54
E = 1,177,524.69
 $\Delta = 1^\circ 30' 03.72''$ (LT)
D = 0° 59' 47.21"
R = 5,750.00
L = 150.64
E = 0.49
T = 75.32
P.C. STA = 7203+87.66
N = 1,846,512.58
E = 1,177,518.09
P.T. STA = 7205+38.30
N = 1,846,362.71
E = 1,177,533.26

Prop. Curve D8701
P.I. STA = 7207+24.93
N = 1,846,177.29
E = 1,177,554.49
 $\Delta = 3^\circ 27' 36.43''$ (RT)
D = 2° 25' 25.25"
R = 2,364.00
L = 142.76
E = 1.08
T = 71.40
P.C. STA = 7206+53.52
N = 1,846,248.23
E = 1,177,546.37
P.T. STA = 7207+96.29
N = 1,846,105.99
E = 1,177,558.32

Prop. Curve 79D83A-1
P.I. STA = 7160+44.94
N = 1,852,394.55
E = 1,177,340.32
 $\Delta = 9^\circ 19' 12.90''$ (RT)
D = 5° 43' 46.48"
R = 1,000.00
L = 162.67
E = 3.32
T = 81.51
P.C. STA = 7159+63.43
N = 1,852,474.58
E = 1,177,324.82
P.T. STA = 7161+26.10
N = 1,852,313.07
E = 1,177,342.65

Prop. Curve 79D83A-2
P.I. STA = 7178+01.36
N = 1,850,638.94
E = 1,177,390.59
 $\Delta = 3^\circ 24' 57.69''$ (RT)
D = 5° 43' 46.48"
R = 1,000.00
L = 59.62
E = 0.44
T = 29.82
P.C. STA = 7177+71.54
N = 1,850,668.74
E = 1,177,389.73
P.T. STA = 7178+31.17
N = 1,850,609.13
E = 1,177,389.66

SB C-D RAMP
(RAMP 79D83A)
POT STA = 7157+39.92
N = 1,852,696.86
E = 1,177,308.11
P.I. STA = 7158+99.60
N = 1,852,537.24
E = 1,177,312.68
P.I. STA = 7164+45.78
N = 1,851,993.52
E = 1,177,351.80
P.I. STA = 7168+96.23
N = 1,851,543.85
E = 1,177,378.34
P.I. STA = 7171+49.17
N = 1,851,291.02
E = 1,177,385.58
P.I. STA = 7175+38.76
N = 1,850,901.43
E = 1,177,383.07
P.I. STA = 7180+50.02
N = 1,850,390.38
E = 1,177,382.88
POT STA = 7184+63.76
N = 1,849,976.81
E = 1,177,394.72

SB 76th/79th ST.
CD RAMP
(RAMP 76D79A)
POT STA = 7500+00.00
N = 1,854,771.42
E = 1,177,153.21
P.I. STA = 7502+53.66
N = 1,854,517.84
E = 1,177,159.17
P.I. STA = 7510+89.85
N = 1,853,689.73
E = 1,177,275.17
POT STA = 7522+05.42
N = 1,852,575.71
E = 1,177,319.03

Prop. Curve 76D79A-1
P.I. STA = 7514+90.72
N = 1,853,290.06
E = 1,177,306.25
 $\Delta = 2^\circ 48' 22.72''$ (RT)
D = 2° 18' 23.74"
R = 2,484.00
L = 121.66
E = 0.75
T = 60.84
P.C. STA = 7514+29.88
N = 1,853,350.72
E = 1,177,301.54
P.T. STA = 7515+51.54
N = 1,853,229.24
E = 1,177,307.99

Prop. Curve 76D79A-2
P.I. STA = 7518+45.22
N = 1,852,935.69
E = 1,177,316.40
 $\Delta = 6^\circ 31' 33.29''$ (RT)
D = 4° 50' 21.01"
R = 1,184.00
L = 134.86
E = 1.92
T = 67.50
P.C. STA = 7517+77.72
N = 1,853,003.16
E = 1,177,314.47
P.T. STA = 7519+12.57
N = 1,852,868.44
E = 1,177,310.65

SB 76th/79th ST.
CD EXIT CONNECTOR
(CD7679A)
POT STA = 9450+00.00
N = 1,854,751.70
E = 1,177,267.37

SB 76th/79th ST.
CD ENTRANCE CONNECTOR
(CD7679B)
POT STA = 9460+00.00
N = 1,853,693.06
E = 1,177,298.94

Prop. Curve CD7679A-1
P.I. STA = 9455+73.58
N = 1,854,179.28
E = 1,177,230.83
 $\Delta = 11^\circ 37' 34.33''$ (LT)
D = 2° 12' 13.26"
R = 2,600.00
L = 527.58
E = 13.44
T = 264.70
P.C. STA = 9453+08.88
N = 1,854,443.44
E = 1,177,247.69
P.T. STA = 9458+36.46
N = 1,853,917.14
E = 1,177,267.55

Prop. Curve CD7679B-1
P.I. STA = 9463+19.58
N = 1,853,376.57
E = 1,177,343.27
 $\Delta = 1^\circ 13' 13.54''$ (RT)
D = 0° 30' 18.91"
R = 11,340.00
L = 241.55
E = 0.64
T = 120.78
P.C. STA = 9461+98.80
N = 1,853,496.18
E = 1,177,326.52
P.T. STA = 9464+40.35
N = 1,853,256.63
E = 1,177,357.48

SB 71st/75th ST.
CD RAMP
(RAMP 71D75A)
POT STA = 7117+70.85
N = 1,857,886.40
E = 1,177,086.26
P.I. STA = 7120+00.00
N = 1,857,657.31
E = 1,177,091.65
P.I. STA = 7128+12.41
N = 1,856,850.29
E = 1,177,177.64
P.I. STA = 7128+74.10
N = 1,856,788.62
E = 1,177,179.10
P.I. STA = 7136+84.40
N = 1,855,981.27
E = 1,177,124.75
POT STA = 7140+00.21
N = 1,855,665.56
E = 1,177,132.18

Prop. Curve 71D75A-1
P.I. STA = 7124+10.68
N = 1,857,251.52
E = 1,177,154.81
 $\Delta = 5^\circ 35' 23.99''$ (RT)
D = 3° 05' 49.45"
R = 1,850.00
L = 180.49
E = 2.20
T = 90.32
P.C. STA = 7123+20.36
N = 1,857,340.76
E = 1,177,140.92
P.T. STA = 7125+00.86
N = 1,857,161.34
E = 1,177,159.94

Prop. Curve 71D75A-2
P.I. STA = 7132+74.89
N = 1,856,387.85
E = 1,177,175.17
 $\Delta = 6^\circ 30' 28.18''$ (RT)
D = 3° 51' 39.25"
R = 1,484.00
L = 168.56
E = 2.40
T = 84.37
P.C. STA = 7131+90.52
N = 1,856,472.22
E = 1,177,176.00
P.T. STA = 7133+59.08
N = 1,856,304.13
E = 1,177,164.79

SB 71st/75th ST.
CD EXIT CONNECTOR
(RAMP CD7175A)
POT STA = 9423+50.00
N = 1,857,297.2866
E = 1,177,207.4713
POT STA = 9426+50.01
N = 1,856,997.4225
E = 1,177,198.1891

CD ENTRANCE CONNECTOR
(RAMP CD7175B)
POT STA = 9429+50.00
N = 1,856,694.2083
E = 1,177,205.3235
POT STA = 9434+40.27
N = 1,856,204.7281
E = 1,177,233.1786

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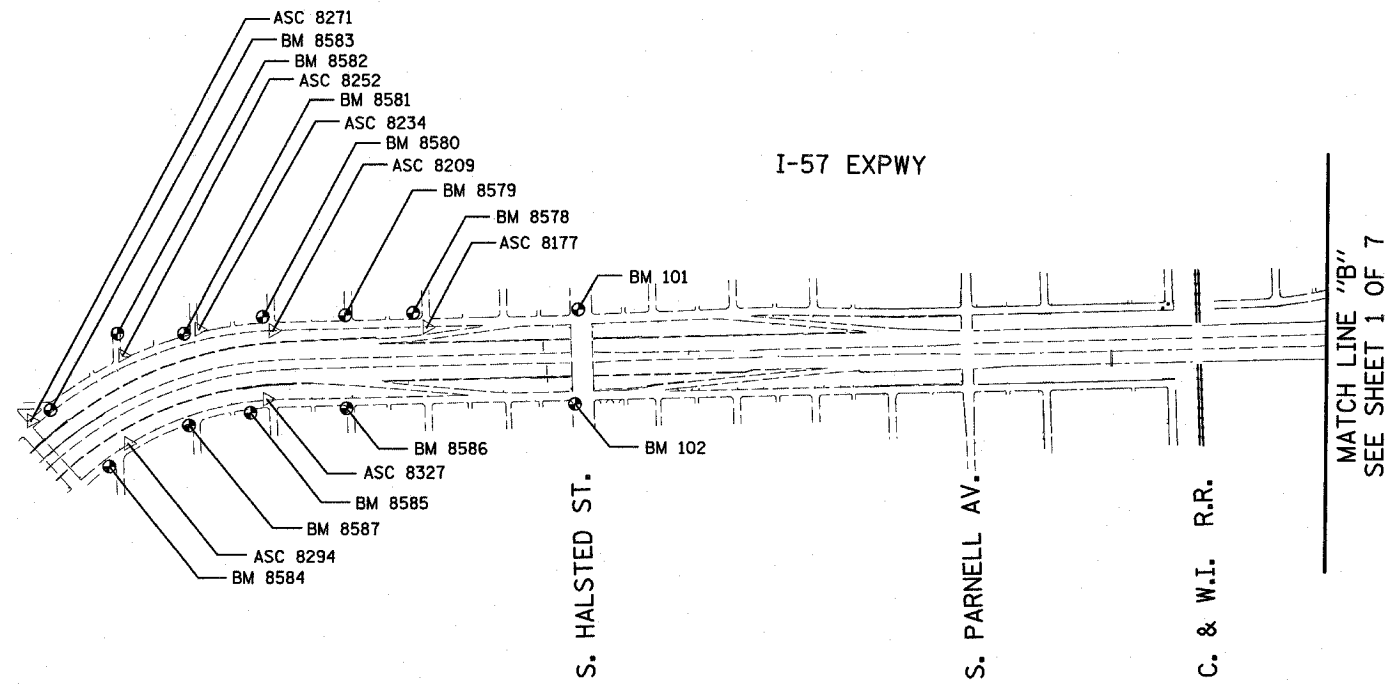
REVISIONS	
NAME	DATE

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

ALIGNMENT
SHEET 4 OF 4

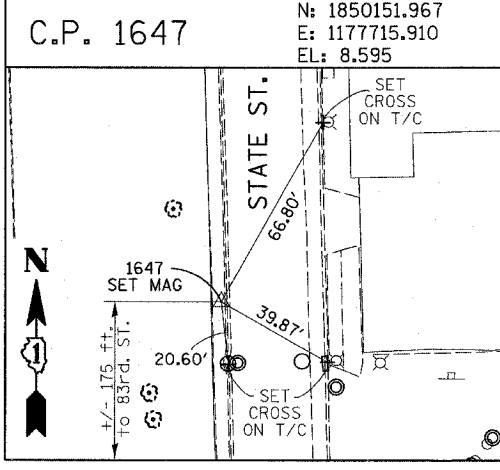
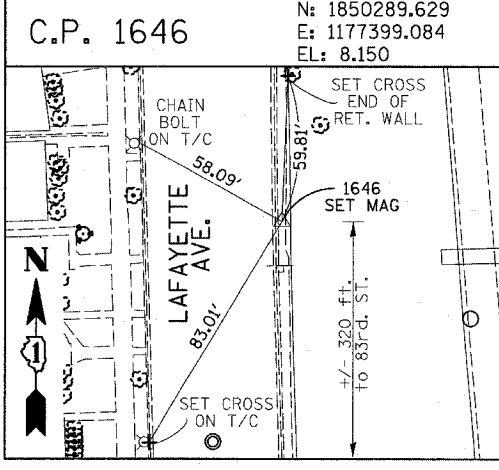
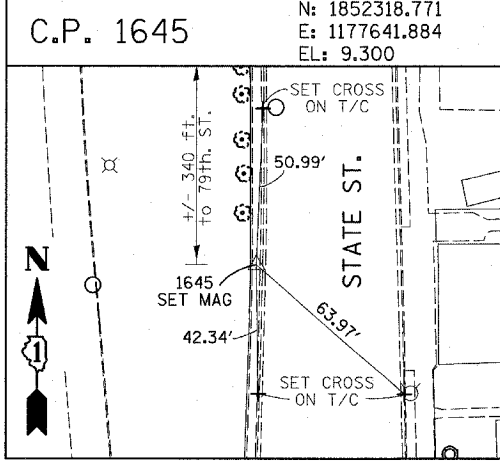
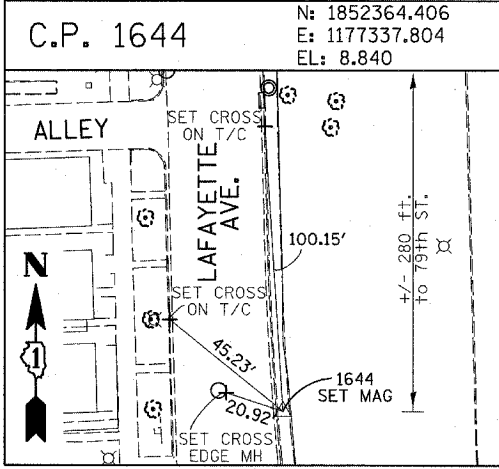
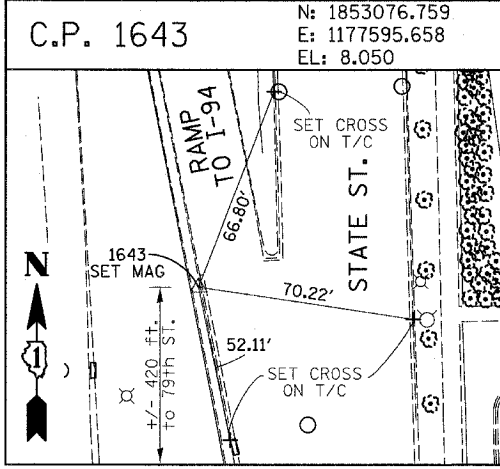
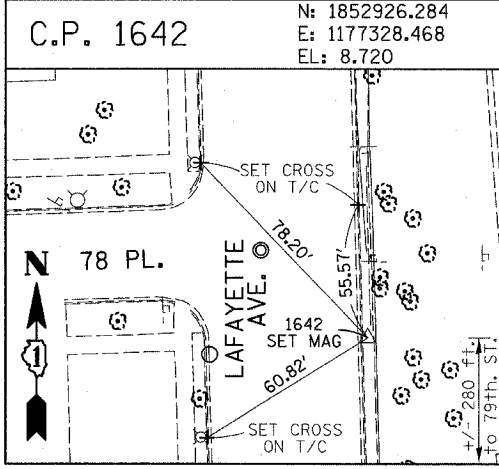
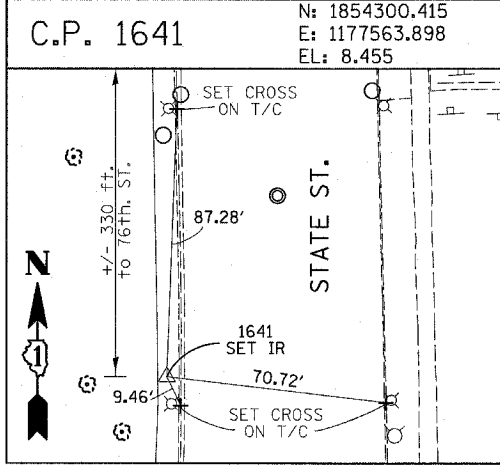
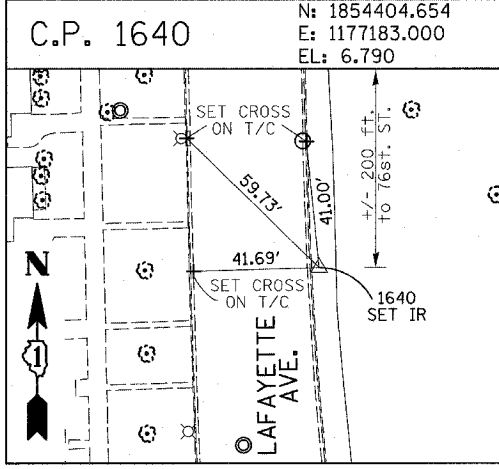
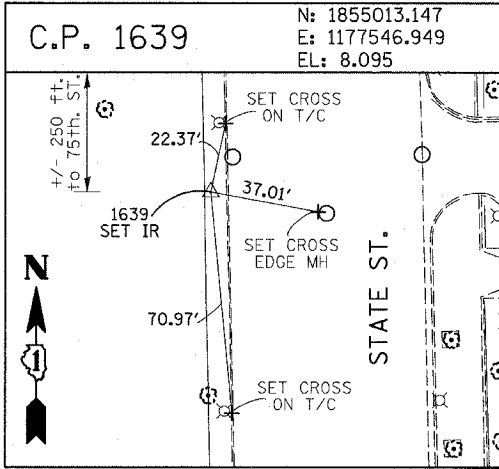
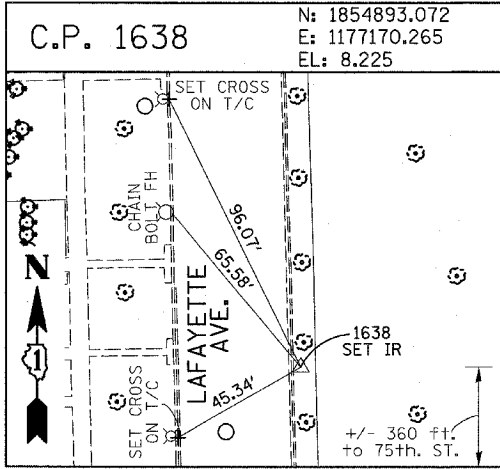
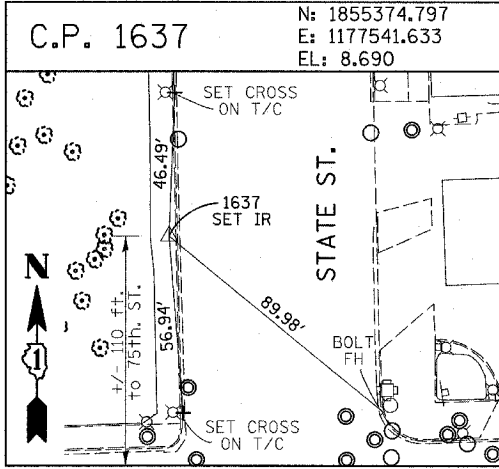
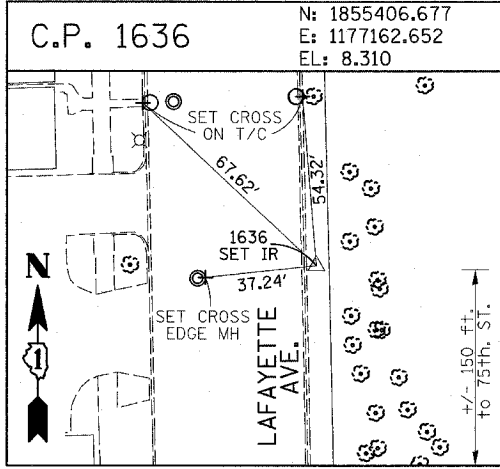
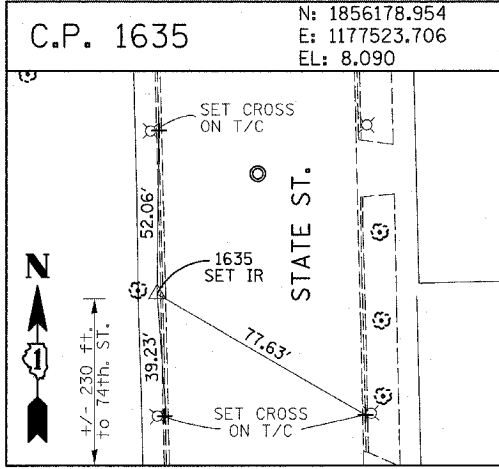
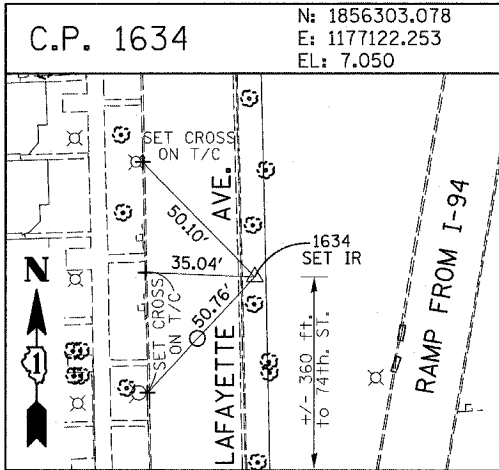
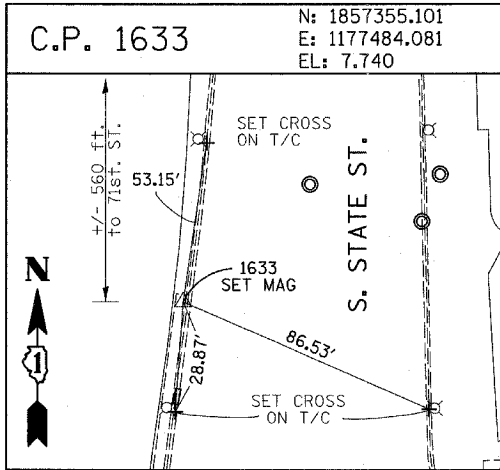
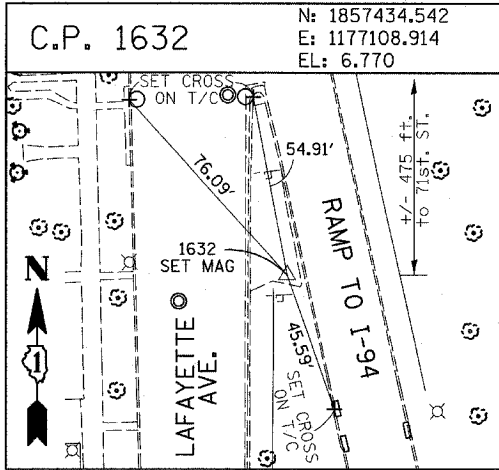
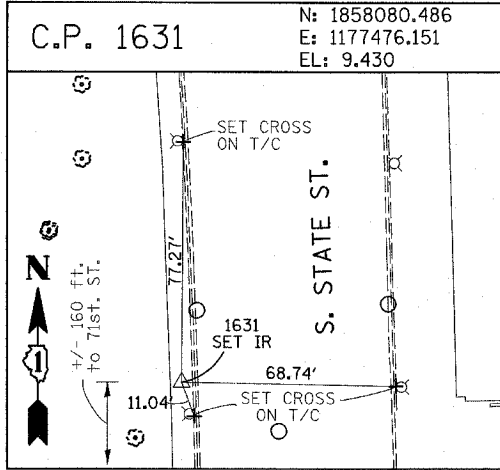
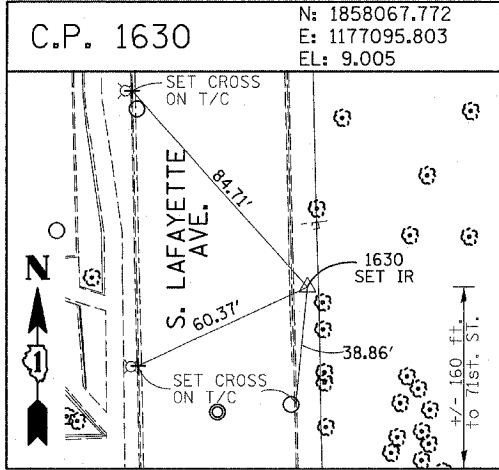
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DATE: JANUARY 13, 2006 CHECKED BY: JPM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. 91+00		TO STA. 118+20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* 2005-014L				62937



REVISIONS	
NAME	DATE

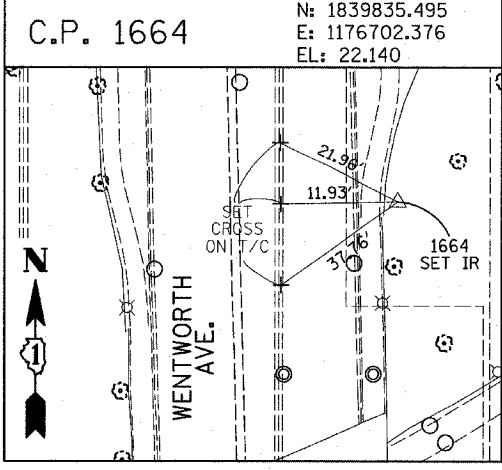
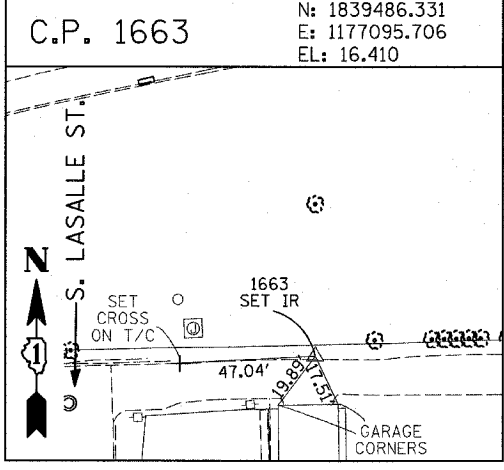
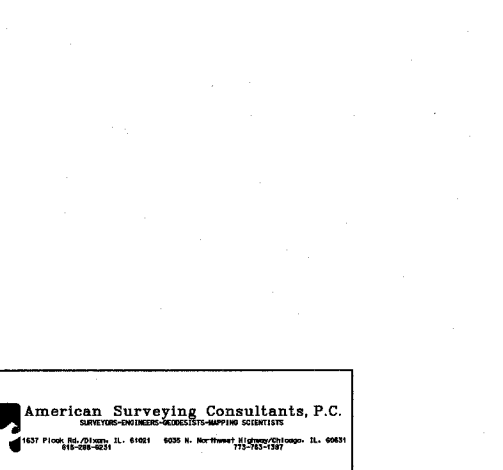
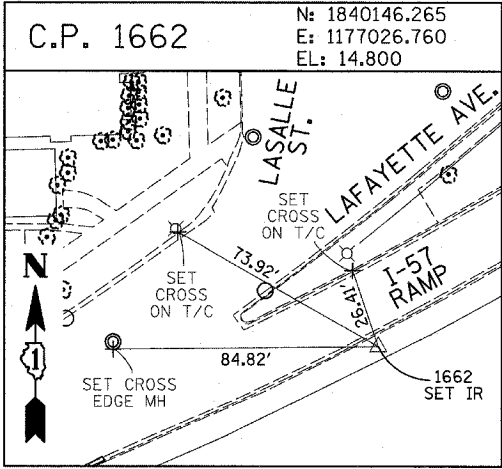
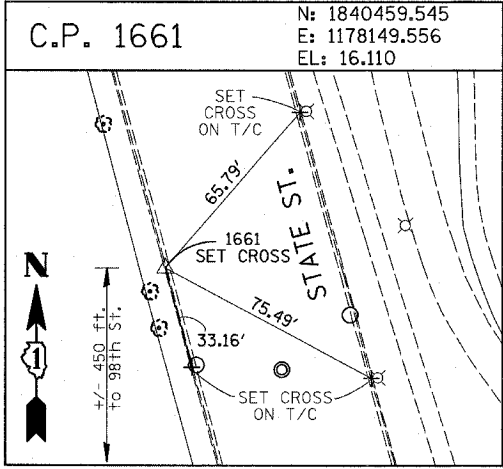
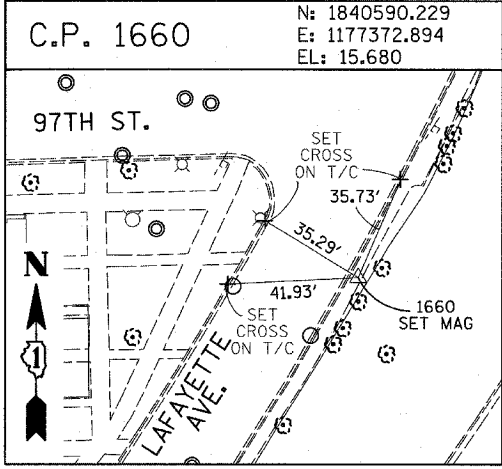
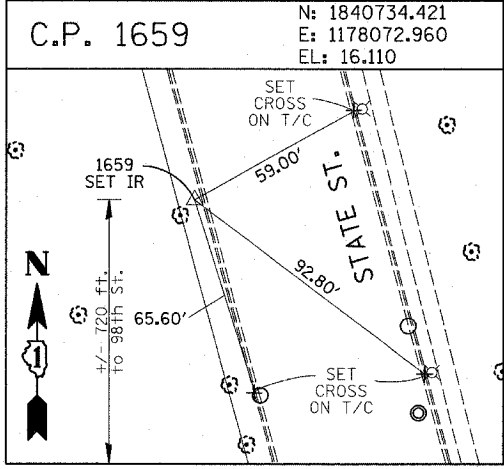
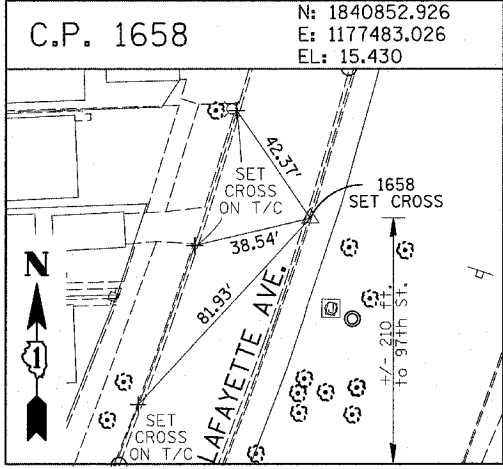
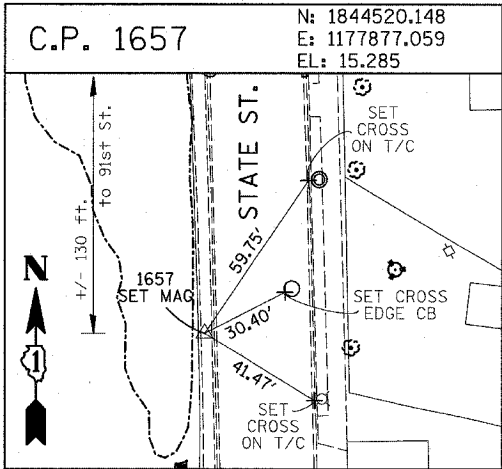
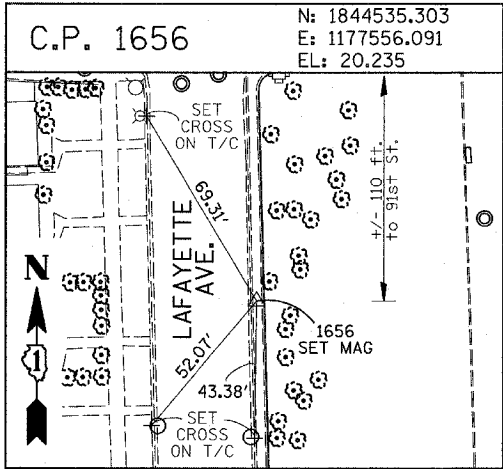
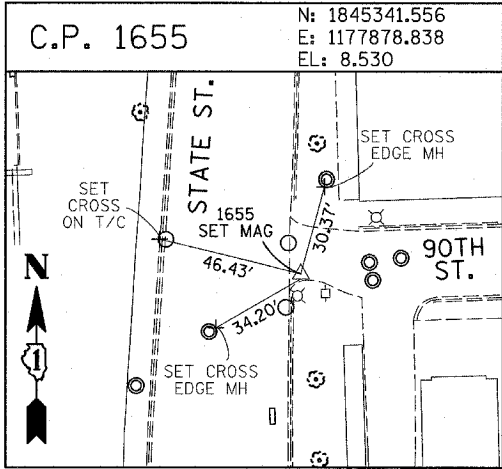
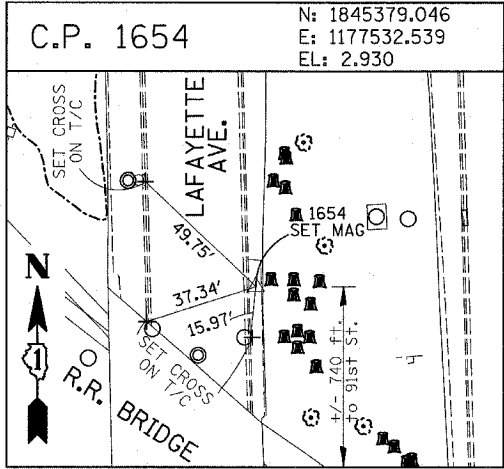
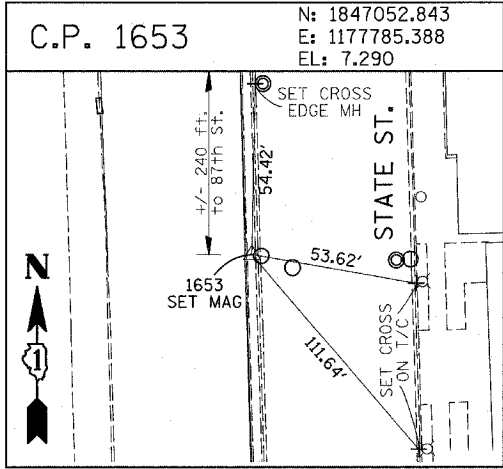
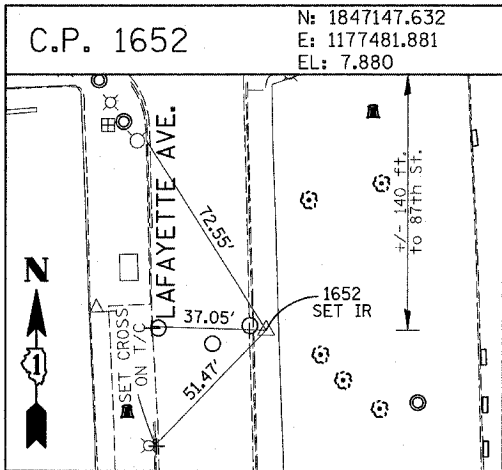
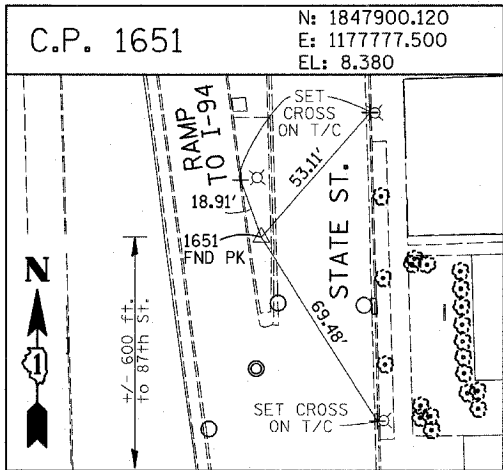
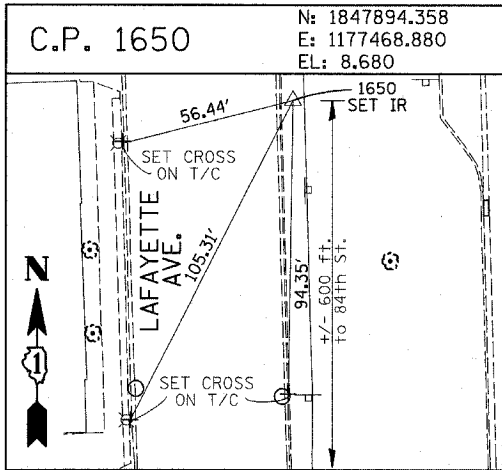
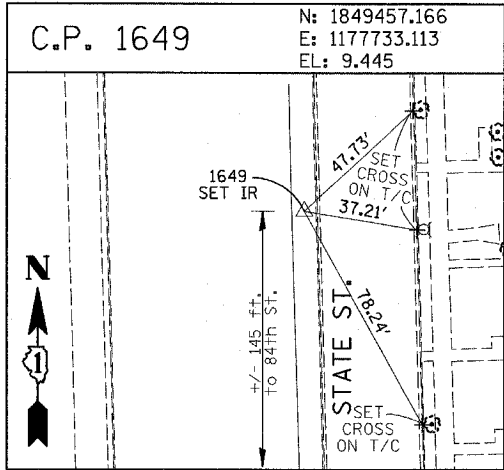
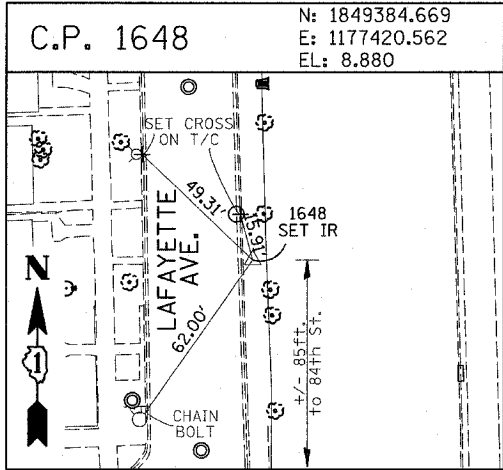
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SURVEY TIES FOR CONTROL POINTS
 SHEET 2 OF 7
 SCALE: 1"=400'
 DATE: JANUARY 13, 2006
 DRAWN BY: GSP
 CHECKED BY: MMW



REVISIONS	
NAME	DATE

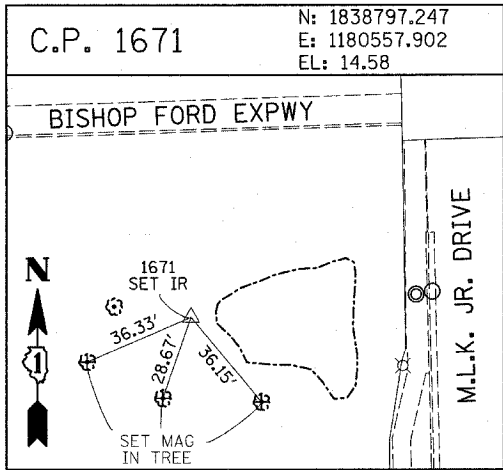
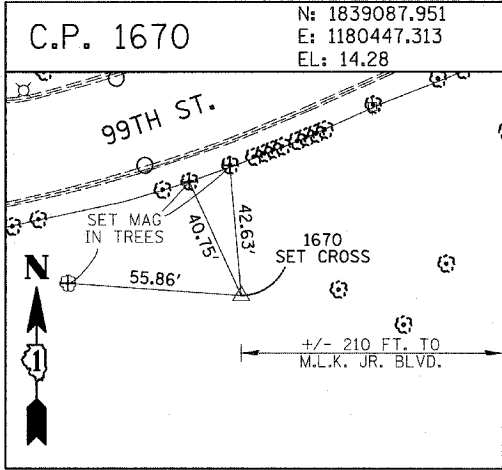
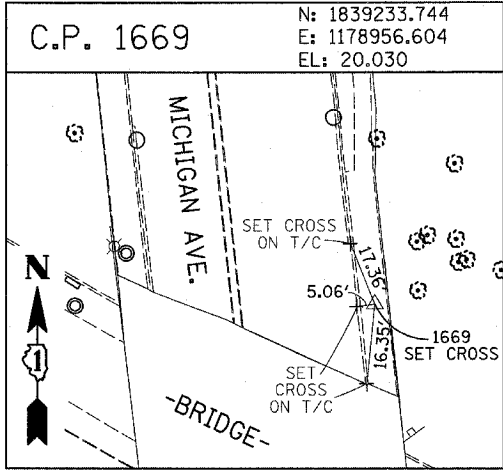
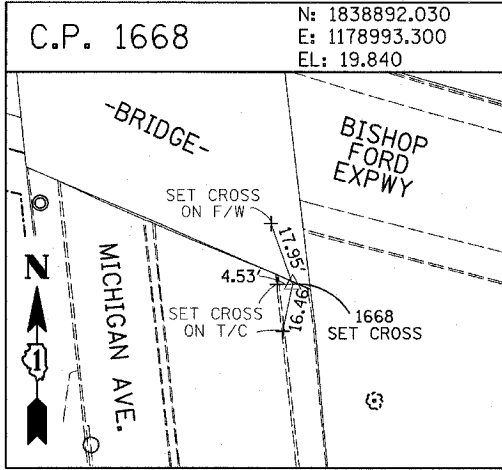
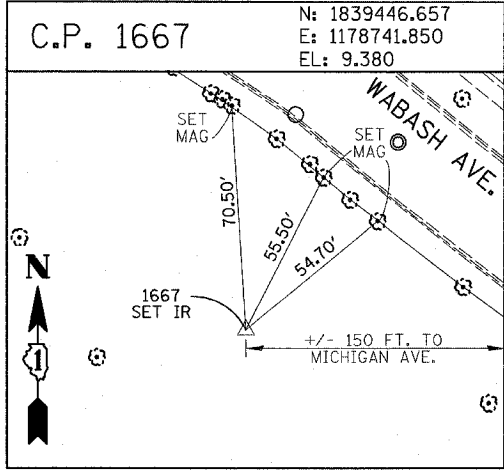
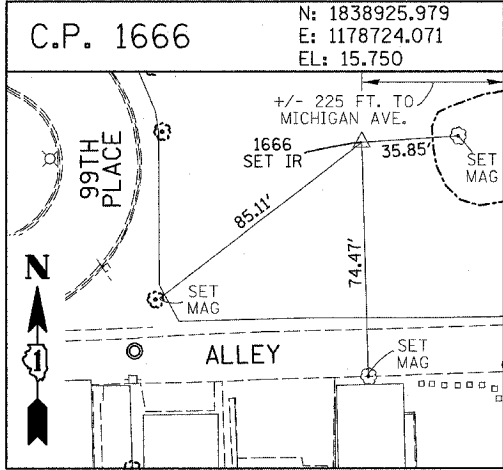
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
SURVEY TIES FOR CONTROL POINTS
SHEET 3 OF 7

SCALE: 1"=30'
DATE: JANUARY 13, 2006
DRAWN BY: GSP
CHECKED BY: MMW



REVISIONS	
NAME	DATE

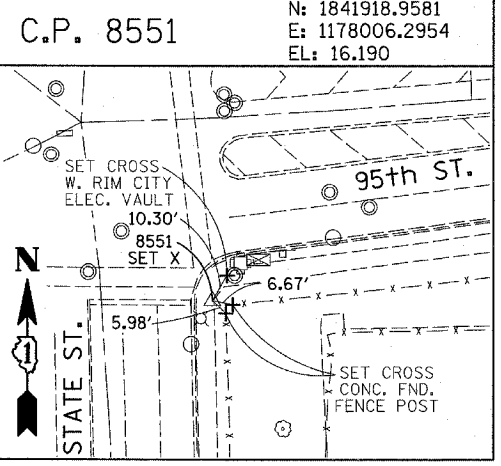
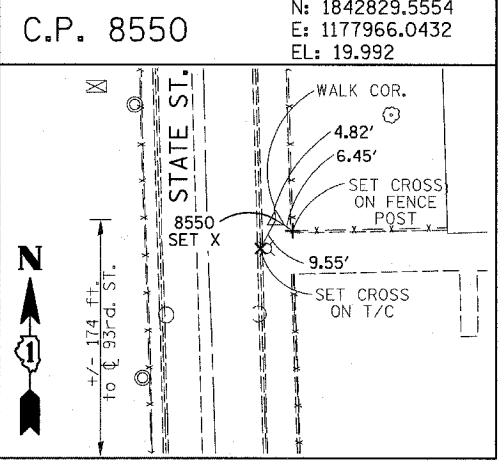
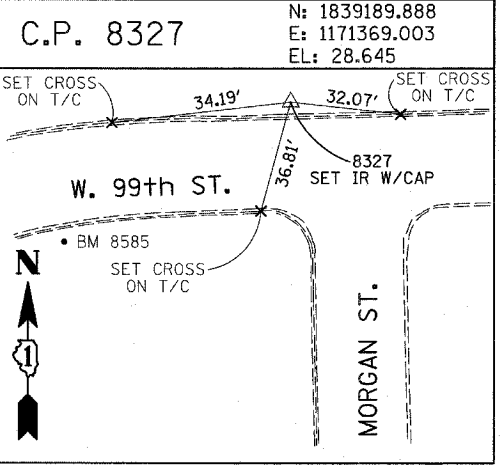
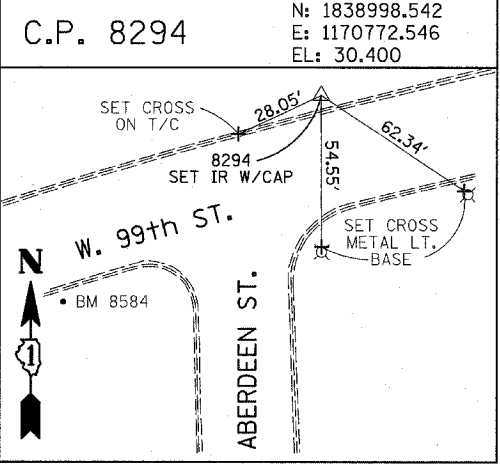
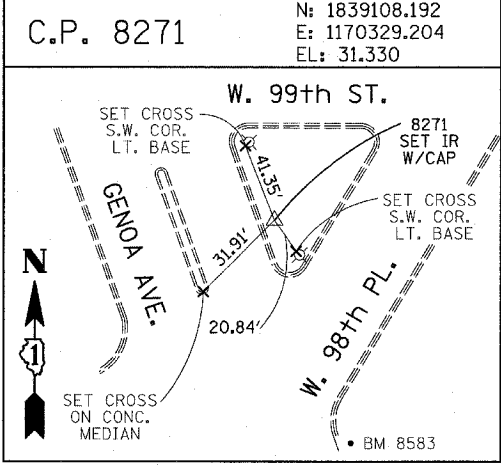
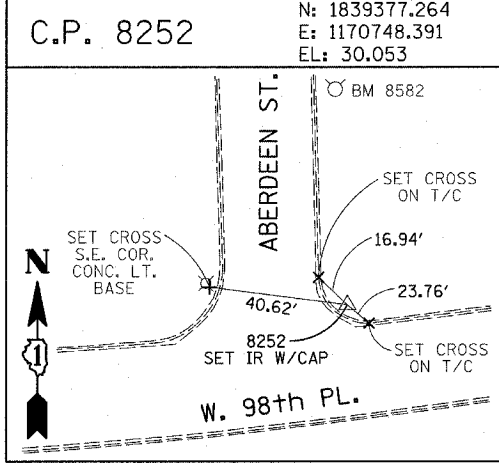
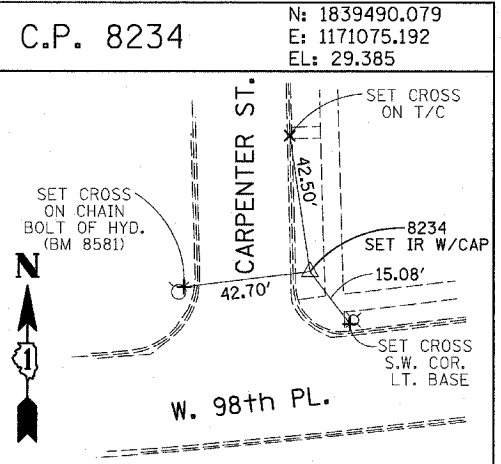
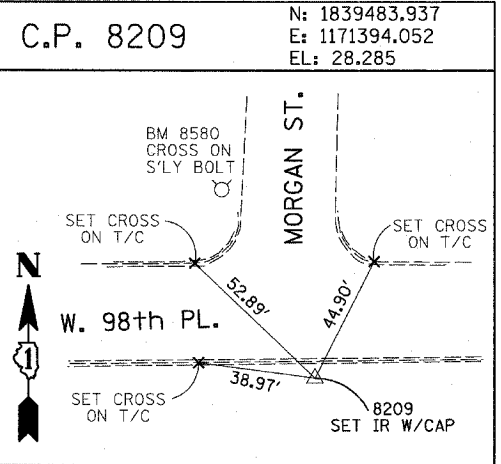
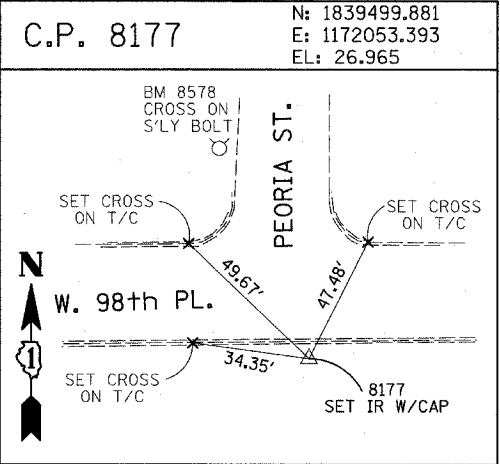
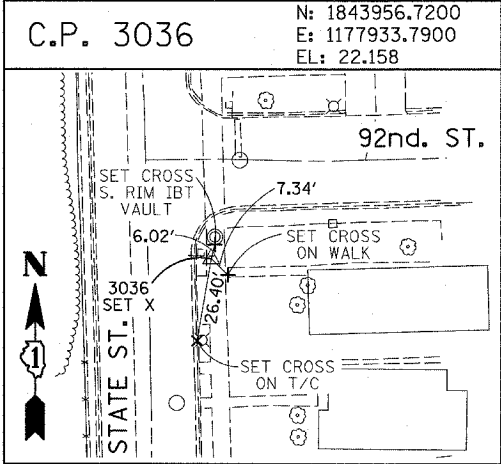
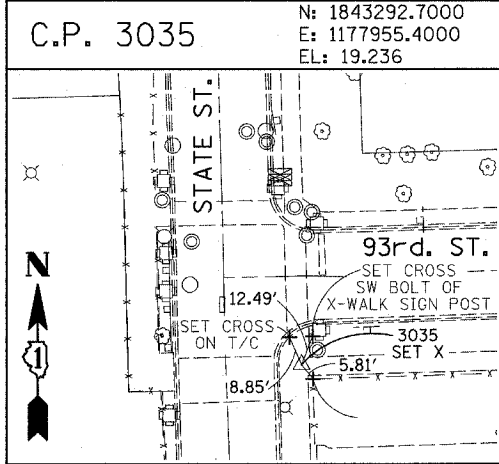
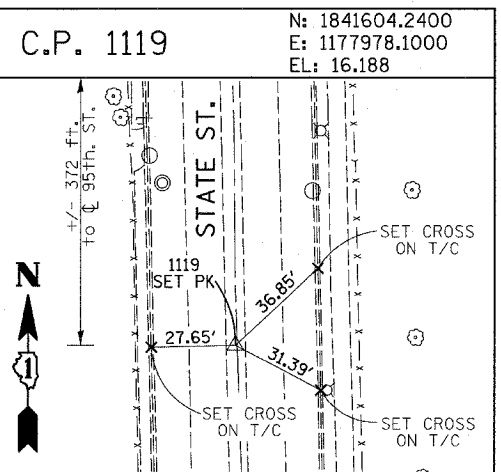
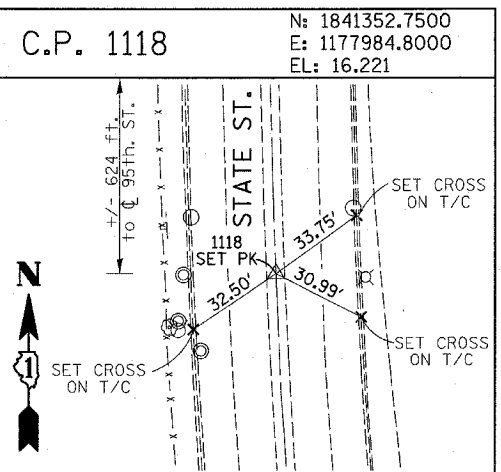
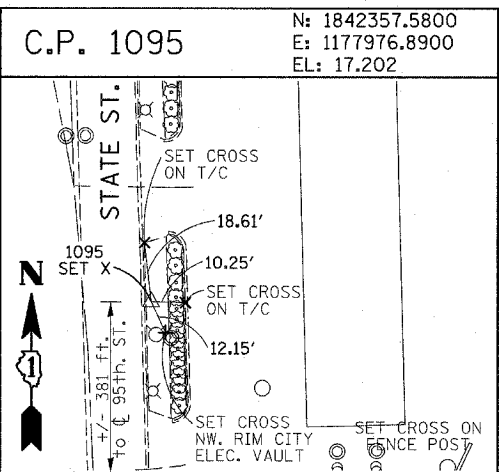
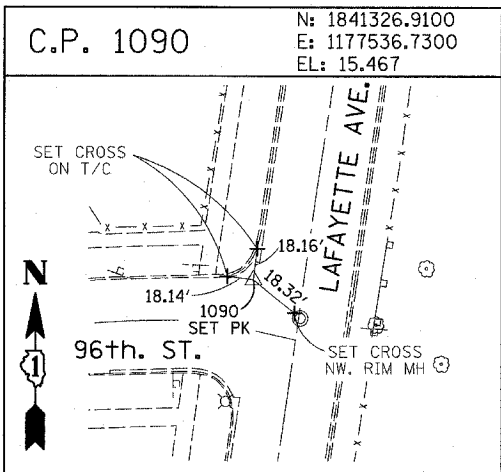
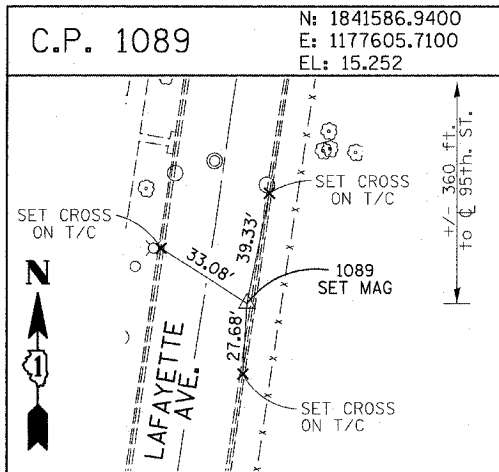
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	36	18
STA. 91+00		TO STA. 118+20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* 2005-014L		62937		



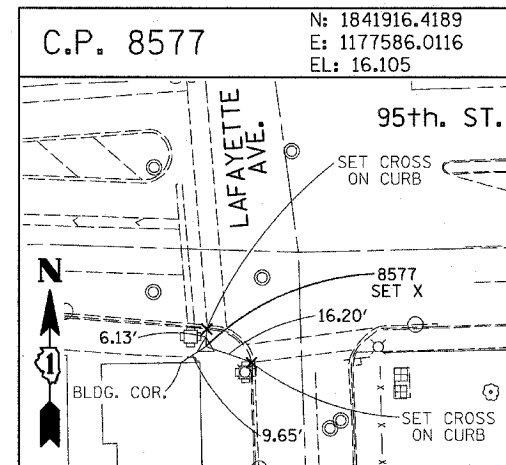
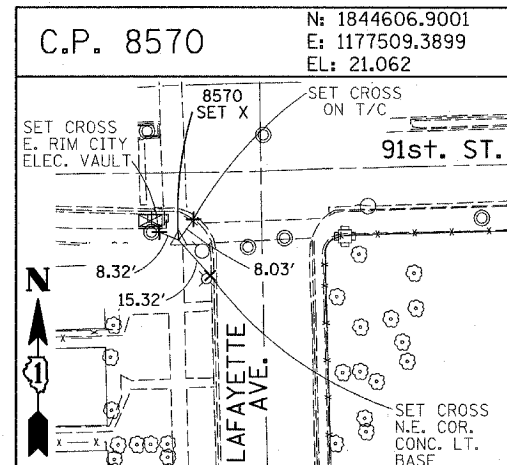
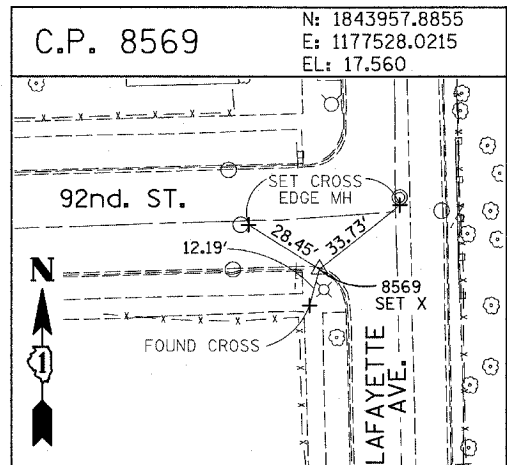
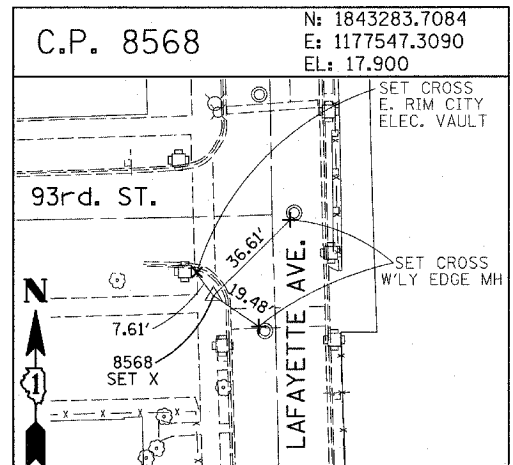
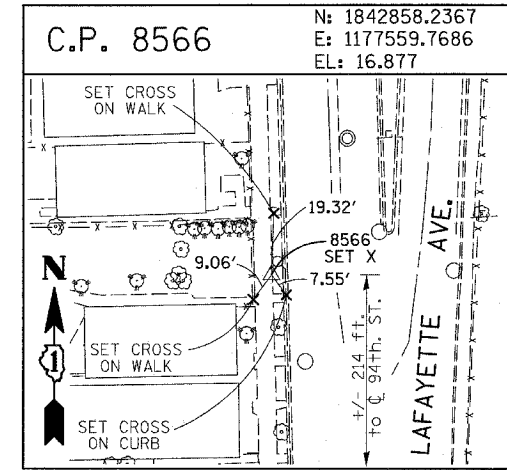
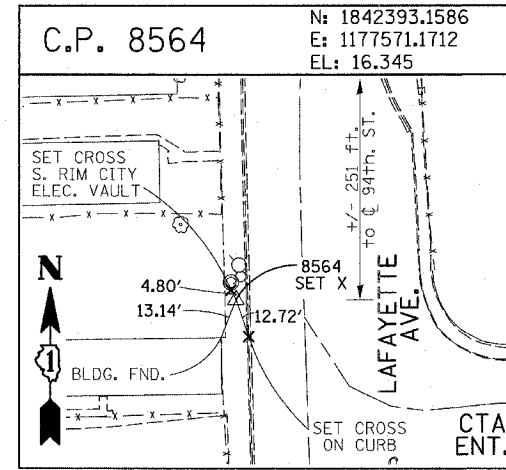
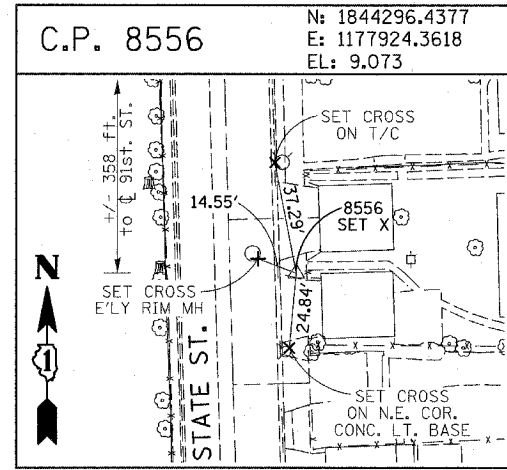
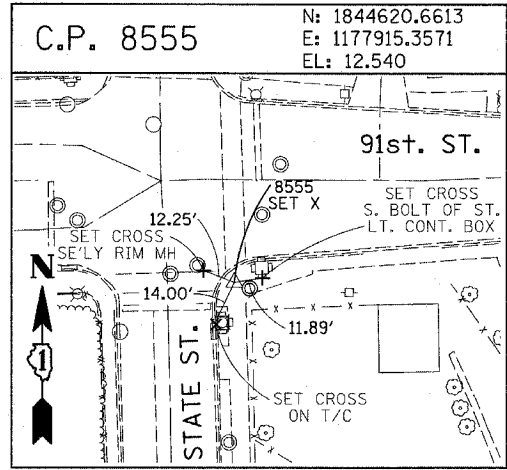
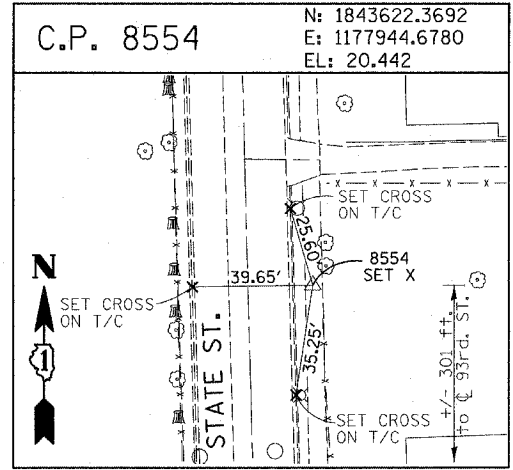
PROJECT BENCHMARKS

- BM 2231 ELEVATION= 10.24 FEET
SET CROSS ON CHAIN BOLT OF FIRE HYDRANT ON THE SOUTHWEST CORNER OF 71ST STREET AND LAFAYETTE AVENUE.
- BM 2232 ELEVATION= 8.46 FEET
SET CROSS ON CHAIN BOLT OF FIRST FIRE HYDRANT SOUTH OF 73RD STREET ON THE WEST SIDE OF LAFAYETTE AVENUE. APPROXIMATELY 330 FEET SOUTH OF 73RD STREET.
- BM 2233 ELEVATION= 9.90 FEET
SET CROSS ON NORTHWEST BOLT OF FIRE HYDRANT ON THE NORTHWEST CORNER OF 75TH STREET AND LAFAYETTE AVENUE.
- BM 2234 ELEVATION= 9.56 FEET
SET CROSS ON CHAIN BOLT OF FIRST FIRE HYDRANT SOUTH OF 75TH STREET ON THE WEST SIDE OF LAFAYETTE AVENUE. APPROXIMATELY 320 FEET SOUTH OF 75TH STREET.
- BM 2235 ELEVATION= 7.50 FEET
SET CROSS ON CHAIN BOLT OF FIRST FIRE HYDRANT SOUTH OF 76TH STREET ON THE WEST SIDE OF LAFAYETTE. APPROXIMATELY 330 FEET SOUTH OF 76TH STREET.
- BM 2236 ELEVATION= 10.41 FEET
SET CROSS ON WEST BOLT OF FIRE HYDRANT ON THE SOUTHWEST CORNER OF 79TH STREET AND LAFAYETTE AVENUE.
- BM 2237 ELEVATION= 9.20 FEET
SET CROSS ON CHAIN BOLT OF FIRST FIRE HYDRANT NORTH OF 83RD STREET ON THE WEST SIDE OF LAFAYETTE AVENUE. APPROXIMATELY 350 FEET NORTH OF 83RD STREET.
- BM 2238 ELEVATION= 10.04 FEET
SET CROSS ON CHAIN BOLT OF FIRE HYDRANT OF THE NORTHWEST CORNER OF 4TH STREET AND LAFAYETTE AVENUE.
- BM 2239 ELEVATION= 9.59 FEET
SET CROSS ON CHAIN BOLT OF SECOND FIRE HYDRANT NORTH OF 87TH STREET ON THE WEST SIDE OF LAFAYETTE AVENUE. APPROXIMATELY 720 FEET NORTH OF 87TH STREET.
- BM 2240 ELEVATION= 9.49 FEET
SET CROSS ON THE NORTHWEST BOLT OF FIRE HYDRANT ON THE SOUTHWEST CORNER OF 78TH STREET AND LAFAYETTE AVENUE.
- BM 2241 ELEVATION= 3.63 FEET
SET SQUARE CUT ON TOP OF CURB NEXT TO LIGHT POLE ON THE NORTHWEST CORNER OF LAFAYETTE AVENUE AND RAILROAD BRIDGE. APPROXIMATELY 770 FEET NORTH OF 91ST STREET.
- BM 2242 ELEVATION= 22.82 FEET
SET CROSS ON CHAIN BOLT OF FIRE HYDRANT ON THE SOUTHWEST CORNER OF 91ST STREET AND LAFAYETTE AVENUE.
- BM 2243 ELEVATION= 15.68 FEET
SET SQUARE CUT ON THE TOP OF CURB NEXT TO THIRD LIGHT POLE NORTH OF 97TH STREET ON THE WEST SIDE OF LAFAYETTE AVENUE. APPROXIMATELY 260 FEET NORTH OF 97TH STREET.
- BM 2244 ELEVATION= 15.94 FEET
SET SQUARE CUT ON TOP OF CURB NEXT TO LIGHT POLE ON THE NORTH SIDE OF 98TH STREET. APPROXIMATELY 120 FEET EAST OF WENTWORTH AVENUE.
- BM 2245 ELEVATION= 16.35 FEET
SET SQUARE CUT ON THE EAST END OF CURB AT THE NORTHEAST CORNER OF FIRST ALLEY NORTH OF 99TH STREET. APPROXIMATELY 35 FEET EAST OF LASALLE STREET.
- BM 2246 ELEVATION= 20.00 FEET
SET SQUARE CUT WITH CROSS ON TOP OF ABUTMENT WALL ON THE NORTHWEST CORNER OF STATE STREET BRIDGE OVER THE BISHOP FORD EXPRESSWAY. APPROXIMATELY 20 FEET NORTH OF THE NORTH EDGE OF THE BRIDGE.
- BM 2248 ELEVATION= 9.77 FEET
SET CROSS ON CHAIN BOLT OF FIRST FIRE HYDRANT NORTH OF RAILROAD BRIDGE ON THE EAST SIDE OF STATE STREET. APPROXIMATELY 110 FEET SOUTH OF 90TH STREET.
- BM 2249 ELEVATION= 9.67 FEET
SET CROSS ON CHAIN BOLT OF FIRE HYDRANT ON THE NORTHWEST CORNER OF 87TH AND STATE STREET.
- BM 2250 ELEVATION= 10.03 FEET
SET CROSS ON CHAIN BOLT OF FIRE HYDRANT ON THE NORTHWEST CORNER OF 83RD ST. AND STATE STREET.
- BM 2251 ELEVATION= 10.95 FEET
FOUND CROSS ON EAST BOLT OF FIRE HYDRANT ON THE EAST SIDE OF STATE STREET. APPROXIMATELY 135 FEET NORTH OF 79TH STREET.
- BM 2252 ELEVATION= 10.02 FEET
SET CROSS ON WEST BOLT OF FIRE HYDRANT ON THE NORTHWEST CORNER OF STATE STREET AND 76TH STREET.
- BM 2254 ELEVATION= 9.17 FEET
SET CROSS ON CHAIN BOLT OF FIRST FIRE HYDRANT SOUTH OF 73RD STREET ON THE EAST SIDE OF STATE STREET. APPROXIMATELY 330 FEET SOUTH OF 73RD STREET.
- BM 2255 ELEVATION= 11.25 FEET
SET CROSS ON CHAIN BOLT OF FIRE HYDRANT ON THE NORTHWEST CORNER OF 71ST STREET AND STATE STREET.
- BM 2256 ELEVATION= 16.36 FEET
SET SQUARE CUT ON TOP OF ABUTMENT WALL ON THE NORTHWEST CORNER OF MARTIN LUTHER KING DRIVE BRIDGE OVER THE BISHOP FORD EXPRESSWAY. APPROXIMATELY 1 FOOT NORTH OF THE NORTH END OF THE BRIDGE.
- BM 2257 ELEVATION= 18.25 FEET
SET CROSS ON NORTHEAST BOLT OF LIGHT POLE BASE ON THE EAST SIDE OF STATE STREET. APPROXIMATELY 970 FEET SOUTH OF 95TH STREET.
- BM 2258 ELEVATION= 10.53 FEET
SET CROSS ON NORTHWEST BOLT OF LIGHT BASE ON NORTHWEST CORNER OF 71ST STREET AND LAFAYETTE AVENUE.

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PROJECT BENCHMARKS

- BM 101 ELEVATION= 24.89 FEET
SET SQUARE CUT ON SOUTHERLY CURB OF WEST 98TH PLACE. APPROXIMATELY 70 FEET EAST OF THE CENTERLINE OF GREEN STREET.
- BM 102 ELEVATION= 27.36 FEET
SET CROSS ON SOUTHERLY FLANGE BOLT OF FIRE HYDRANT AT THE SOUTHWEST CORNER OF WEST 99TH STREET AND GREEN STREET.
- BM 8558 ELEVATION= 17.73 FEET
SET SQUARE CUT ON SOUTHEAST CORNER OF FOURTH LIGHT BASE SOUTH OF 95TH STREET, ON THE EAST SIDE OF STATE STREET.
- BM 8559 ELEVATION= 17.10 FEET
SET SQUARE CUT ON SOUTHWEST CORNER OF CONCRETE SIGN BASE AT THE NORTHWEST CORNER OF THE MOBIL GAS STATION PROPERTY AT THE NORTHEAST CORNER OF 95TH STREET AND STATE STREET.
- BM 8560 ELEVATION= 17.50 FEET
SET SQUARE CUT ON SOUTHEAST CORNER OF CONCRETE BUS SLAB ON THE EAST SIDE OF STATE STREET. APPROXIMATELY 50 FEET SOUTH OF THE CENTERLINE OF 94TH STREET.
- BM 8561 ELEVATION= 19.77 FEET
SET CROSS ON SOUTHEASTERLY FLANGE BOLT OF FIRST FIRE HYDRANT SOUTH OF 93RD STREET, ON THE EAST SIDE OF STATE STREET.
- BM 8562 ELEVATION= 22.29 FEET
SET CROSS ON SOUTHEASTERLY FLANGE BOLT OF FIRST FIRE HYDRANT NORTH OF 93RD STREET, ON THE EAST SIDE OF STATE STREET.
- BM 8563 ELEVATION= 20.47 FEET
SET CROSS ON SOUTHEASTERLY FLANGE BOLT OF FIRST FIRE HYDRANT SOUTH OF 91ST STREET, ON THE EAST SIDE OF STATE STREET.
- BM 8573 ELEVATION= 19.89 FEET
SET SQUARE CUT ON EAST SIDE OF SIDEWALK OPPOSITE TO THE SECOND FIRE HYDRANT SOUTH OF 91ST STREET, ON THE WEST SIDE OF LAFAYETTE AVENUE.
- BM 8574 ELEVATION= 18.90 FEET
SET CROSS ON THE WESTERLY FLANGE BOLT OF FIRE HYDRANT APPROXIMATELY AT 9224 S. LAFAYETTE AVENUE, ON THE WEST SIDE OF LAFAYETTE AVENUE.
- BM 8575 ELEVATION= 17.77 FEET
SET CROSS ON THE WESTERLY FLANGE BOLT OF FIRE HYDRANT APPROXIMATELY AT 9326 S. LAFAYETTE AVENUE, ON THE WEST SIDE OF LAFAYETTE AVENUE.

- BM 8576 ELEVATION= 17.43 FEET
SET CROSS ON THE WESTERLY FLANGE BOLT OF FIRE HYDRANT AT THE VACANT LOT BETWEEN 9416 AND 9422 S. LAFAYETTE AVENUE, ON THE WEST SIDE OF LAFAYETTE AVENUE.
- BM 8578 ELEVATION= 27.92 FEET
SET CROSS ON SOUTHERLY FLANGE BOLT OF FIRE HYDRANT AT THE NORTHWEST CORNER OF WEST 98TH PLACE AND PEORIA STREET.
- BM 8579 ELEVATION= 28.59 FEET
SET CROSS ON SOUTHERLY FLANGE BOLT OF FIRE HYDRANT AT THE NORTHWEST CORNER OF WEST 98TH PLACE AND SANGAMON STREET.
- BM 8580 ELEVATION= 29.24 FEET
SET CROSS ON SOUTHERLY FLANGE BOLT OF FIRE HYDRANT AT THE NORTHWEST CORNER OF WEST 98TH PLACE AND MORGAN STREET.
- BM 8581 ELEVATION= 30.82 FEET
SET CROSS ON CHAIN BOLT OF FIRE HYDRANT ON THE NORTHWEST CORNER OF CARPENTER STREET AND WEST 98TH PLACE.
- BM 8582 ELEVATION= 30.69 FEET
SET CROSS ON CHAIN BOLT OF FIRST FIRE HYDRANT NORTH OF WEST 98TH PLACE, ON THE EAST SIDE OF ABERDEEN STREET.
- BM 8583 ELEVATION= 33.14 FEET
SET SQUARE CUT ON CONCRETE BRIDGE WALL AT THE SOUTHEASTERLY CORNER OF GENOA AVENUE AND 99TH STREET.
- BM 8584 ELEVATION= 32.36 FEET
SET CROSS ON CHAIN BOLT OF FIRST FIRE HYDRANT WEST OF ABERDEEN STREET, ON THE SOUTHERLY SIDE OF 99TH STREET.
- BM 8585 ELEVATION= 30.28 FEET
SET CROSS ON SOUTHERLY FLANGE BOLT OF FIRST FIRE HYDRANT WEST OF MORGAN STREET, ON THE SOUTH SIDE OF 99TH STREET.
- BM 8586 ELEVATION= 28.75 FEET
SET CROSS ON NORTHERLY FLANGE BOLT OF FIRE HYDRANT AT THE SOUTHWEST CORNER OF 99TH STREET AND SANGAMON STREET.
- BM 8587 ELEVATION= 31.19 FEET
SET CROSS ON SOUTHERLY FLANGE BOLT OF FIRE HYDRANT AT THE SOUTHWEST CORNER OF 99TH STREET AND CARPENTER STREET.

- BM 3514 ELEVATION= 17.56 FEET
SET CROSS ON CHAIN BOLT OF HYDRANT AT SOUTHWEST INTERSECTION OF LASALLE ST. AND 97TH ST.
- BM 3522 ELEVATION= 18.06 FEET
SET CROSS ON SOUTH SOUTHEAST FLANGE BOLT OF HYDRANT ± HALFWAY BETWEEN NORTH AND SOUTH ENTRANCE TO CITGO, EAST SIDE OF STATE ST. AND NORTH OF 95TH ST.
- BM 3549 ELEVATION= 9.49 FEET
SET CROSS WESTERLY FLANGE BOLT OF HYDRANT AT SOUTHWEST INTERSECTION OF 87TH ST. AND LAFAYETTE AVE.
- BM 3550 ELEVATION= 22.88 FEET
SET CROSS WESTERLY FLANGE BOLT OF HYDRANT AT SOUTHWEST INTERSECTION OF 91ST ST. AND LAFAYETTE AVE.
- BM 3551 ELEVATION= 17.50 FEET
SET CROSS NORTHERLY FLANGE BOLT OF HYDRANT AT SOUTHWEST INTERSECTION OF 95TH ST. AND LAFAYETTE AVE.
- BM 3552 ELEVATION= 14.81 FEET
SET CROSS NORTHEAST BOLT OF TRAFFIC SIGNAL/LIGHT BASE AT SOUTHEAST INTERSECTION OF 91ST ST. AND STATE ST.
- BM 3553 ELEVATION= 8.47 FEET
SET CROSS NORTHWEST BOLT OF TRAFFIC SIGNAL/LIGHT BASE AT NORTHEAST INTERSECTION OF 87TH ST. AND STATE ST.
- BM 3556 ELEVATION= 9.06 FEET
SET CROSS EASTERLY FLANGE BOLT OF HYDRANT AT NORTHEAST CORNER OF 75TH ST. AND STATE ST.
- BM 3558 ELEVATION= 18.15 FEET
SET CROSS SOUTHWESTERLY FLANGE BOLT OF HYDRANT AT NORTHWEST INTERSECTION OF NORMAL ST. AND 98TH PLACE.
- BM 3810 ELEVATION= 0.29 FEET
CUT SQUARE ON SOUTHERLY CORNER OF METAL BASE FOR OVERHEAD SIGN, ON THE WESTERLY SIDE OF SOUTHBOUND DAN RYAN, OPPOSITE OF WEST 77TH PLACE, APPROXIMATELY 1000 FEET NORTH OF 79TH STREET BRIDGE.
- BM 3811 ELEVATION= 1.95 FEET
CUT SQUARE ON SOUTHEASTERLY CORNER OF METAL BASE FOR OVERHEAD SIGN, ON THE WESTERLY SIDE OF SOUTHBOUND DAN RYAN APPROXIMATELY 840 FEET SOUTHERLY OF 83RD STREET.

REVISIONS	
NAME	DATE

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

SURVEY TIES FOR CONTROL POINTS
 SHEET 7 OF 7

SCALE: 1"=30'
 DATE: JANUARY 13, 2006

DRAWN BY: GSP
 CHECKED BY: MMW

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	36	21
STA. 89+90		TO STA. 103+00		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
* 2005-014L				62937

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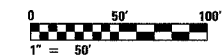
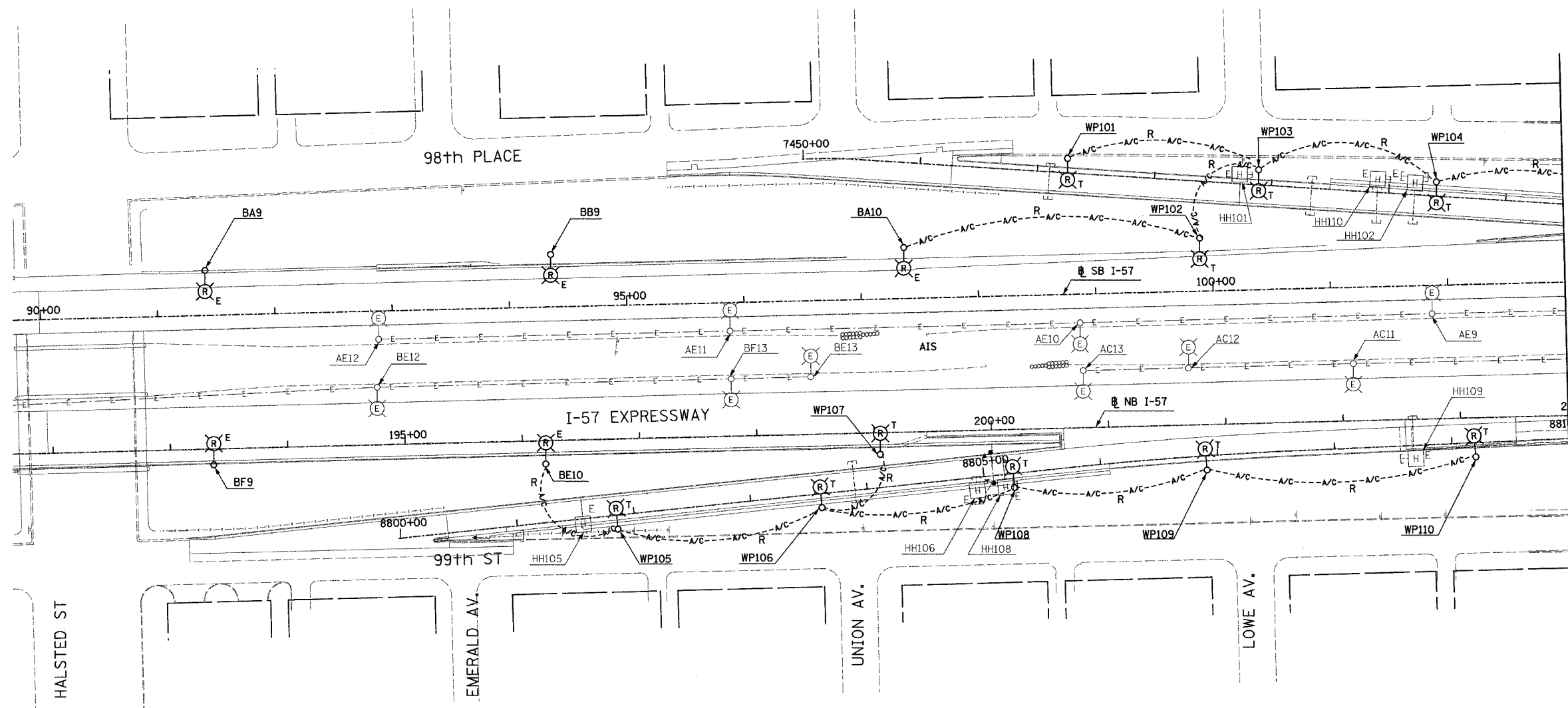
LEGEND

- EXISTING LIGHTING UNIT TO REMAIN
- EXISTING ELECTRIC HANDHOLE (PROVIDED UNDER SEPARATE CONTRACT)
- UNDERGROUND REINFORCED CONCRETE ENCASED CNC DUCTBANK. (PROVIDED UNDER SEPARATE CONTRACT).
- EXISTING LIGHTING CIRCUIT
- AERIAL CABLE TO BE REMOVED
- TEMPORARY LIGHTING UNIT TO BE REMOVED
- EXISTING LIGHTING UNIT TO BE REMOVED

NOTES:

1. UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS OF WORK.
2. COORDINATE ALL WORK WITH IDOT ELECTRICAL CONTRACT 62583 AND CIVIL CONTRACTS 62694, 62695, 62304 AND 62593.
3. REMOVAL OF LIGHT POLES, WOOD POLES AND LUMINAIRES ARE PART OF CONTRACT 62937. FOUNDATION REMOVAL WILL BE DONE UNDER SEPARATE CONTRACT.

MATCHLINE STA. 103+00
SEE SHEET EL-02



2D/EL-01

REVISIONS	
NAME	DATE

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

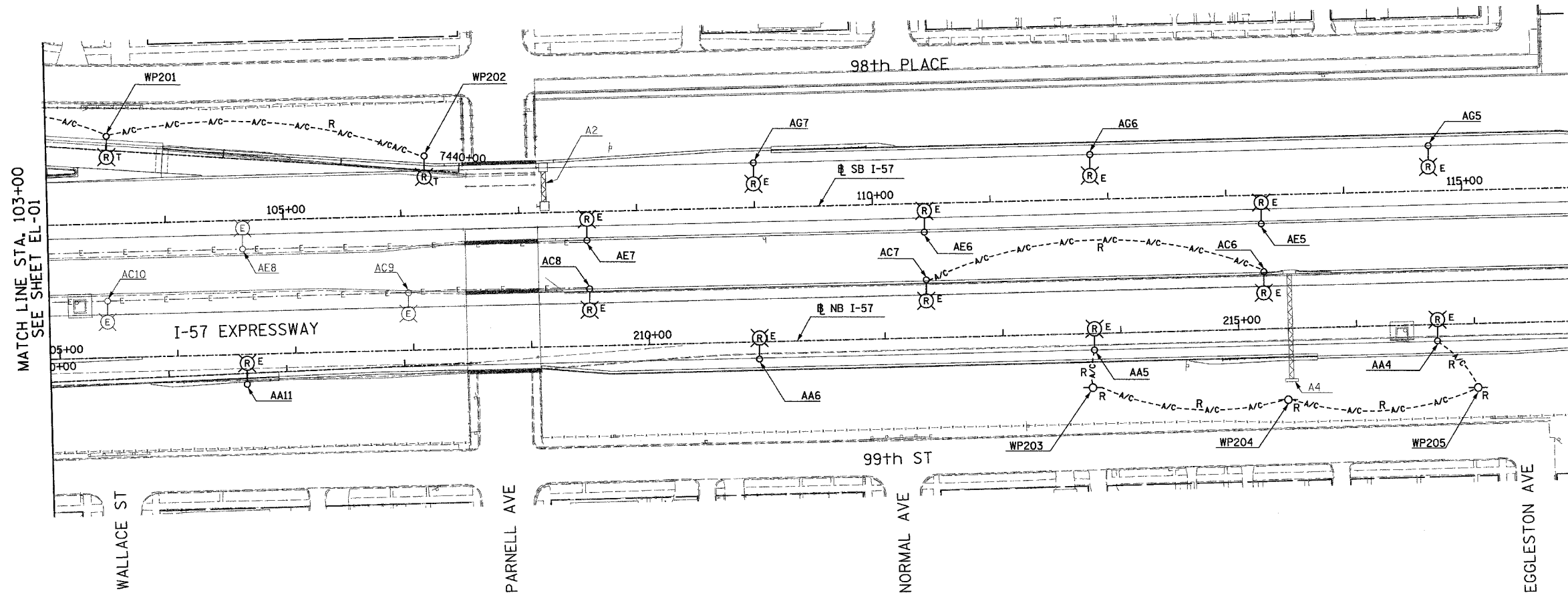
ROADWAY LIGHTING PLANS
EXISTING AND REMOVAL

SCALE: 1"=50' DRAWN BY: VG
DATE: JANUARY 13, 2006 CHECKED BY: TM

SINGH 300 W. ADAMS ST.
CHICAGO, IL 60606
SINGH & ASSOCIATES, INC. TEL: (312) 629-0240
CONSULTING ENGINEERS FAX: (312) 629-8449

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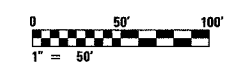
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	36	22
STA. 103+00		TO STA. 116+00		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
* 2005-014L				62937



MATCH LINE STA. 103+00
SEE SHEET EL-01

- LEGEND**
- EXISTING LIGHTING UNIT TO REMAIN
 - EXISTING LIGHTING CIRCUIT
 - AERIAL CABLE TO BE REMOVED
 - TEMPORARY LIGHTING UNIT TO BE REMOVED
 - EXISTING LIGHTING UNIT TO BE REMOVED
 - EXISTING WOOD POLE TO BE REMOVED

- NOTES:**
1. UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS OF WORK.
 2. COORDINATE ALL WORK WITH IDOT ELECTRICAL CONTRACT 62583 AND CIVIL CONTRACTS 62694, 62695, 62304 AND 62593.
 3. REMOVAL OF LIGHT POLES, WOOD POLES AND LUMINAIRES IS PART OF CONTRACT 62937. FOUNDATION REMOVAL WILL BE DONE UNDER SEPARATE CONTRACT.



2D/EL-02

REVISIONS	
NAME	DATE

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

ROADWAY LIGHTING PLANS
EXISTING AND REMOVAL

SCALE: 1"=50' DRAWN BY: VG
DATE: JANUARY 13, 2006 CHECKED BY: TM

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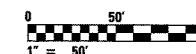
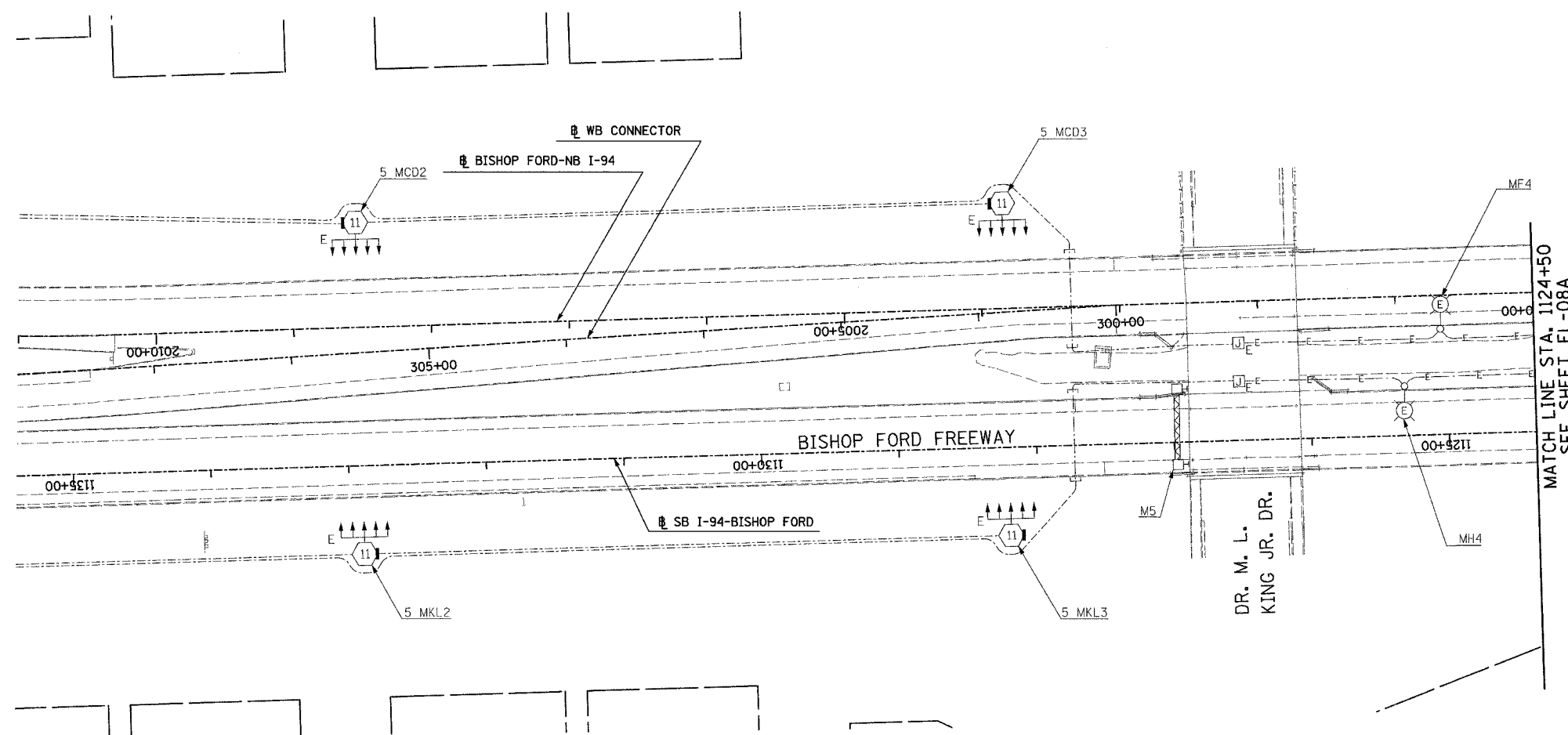
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	36	23
STA. 1135+22		TO STA. 1124+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* 2005-014L				62937



LEGEND

- EXISTING HIGH MAST LIGHT TOWER (PROVIDED UNDER THE SEPARATE CONTRACT)
- EXISTING LIGHTING UNIT TO REMAIN
- EXISTING JUNCTION BOX (PROVIDED UNDER THE SEPARATE CONTRACT)
- UNDERGROUND REINFORCED CONCRETE ENCASED CNC DUCTBANK. (PROVIDED UNDER SEPARATE CONTRACT).
- EXISTING LIGHTING CIRCUIT
- EXISTING UNIT DUCT TO REMAIN



2D/EL-08

REVISIONS	
NAME	DATE

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

ROADWAY LIGHTING PLANS
EXISTING AND REMOVAL

SCALE: 1"=50' DRAWN BY: VG
DATE: JANUARY 13, 2006 CHECKED BY: TM

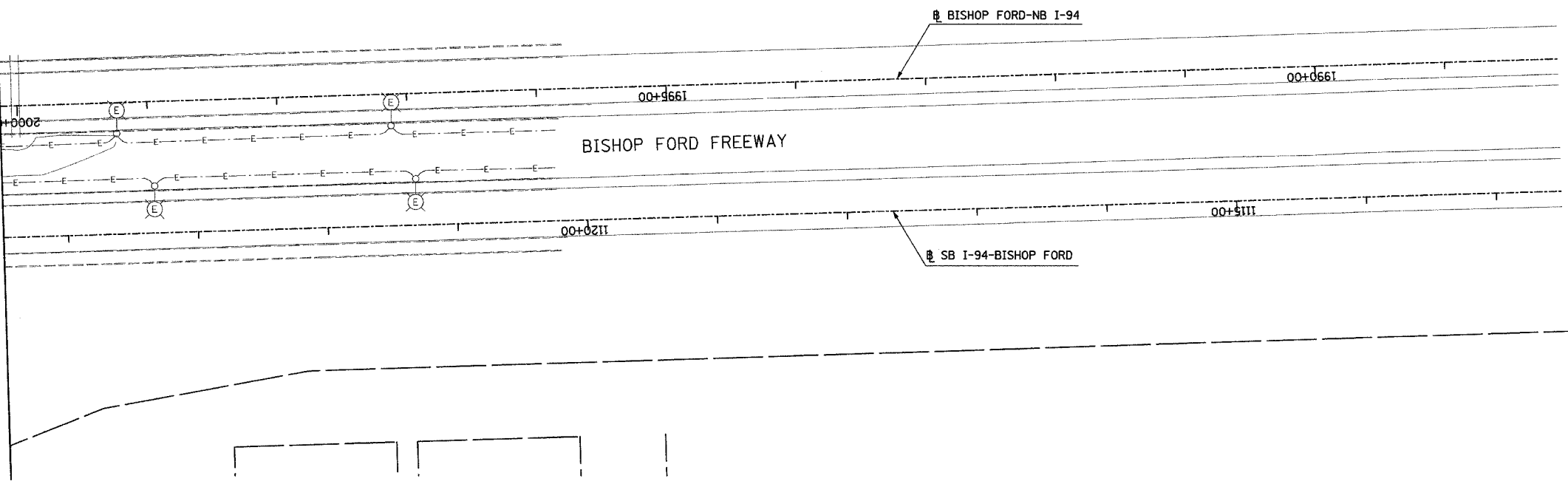
SINGH 300 W. ADAMS ST.
CHICAGO, IL 60606
SINGH & ASSOCIATES, INC. TEL: (312) 629-0240
CONSULTING ENGINEERS FAX: (312) 629-8449

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	36	24
STA. 1124+50		TO STA. 1112+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• 2005-014L		62937		



MATCH LINE STA. 1124+50
SEE SHEET EL-08

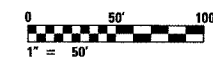


LEGEND

EXISTING LIGHTING UNIT TO REMAIN

EXISTING LIGHTING CIRCUIT

NO ELECTRICAL WORK ON THIS SHEET
FOR REFERENCE ONLY



2D/EL-08A

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REVISIONS	
NAME	DATE

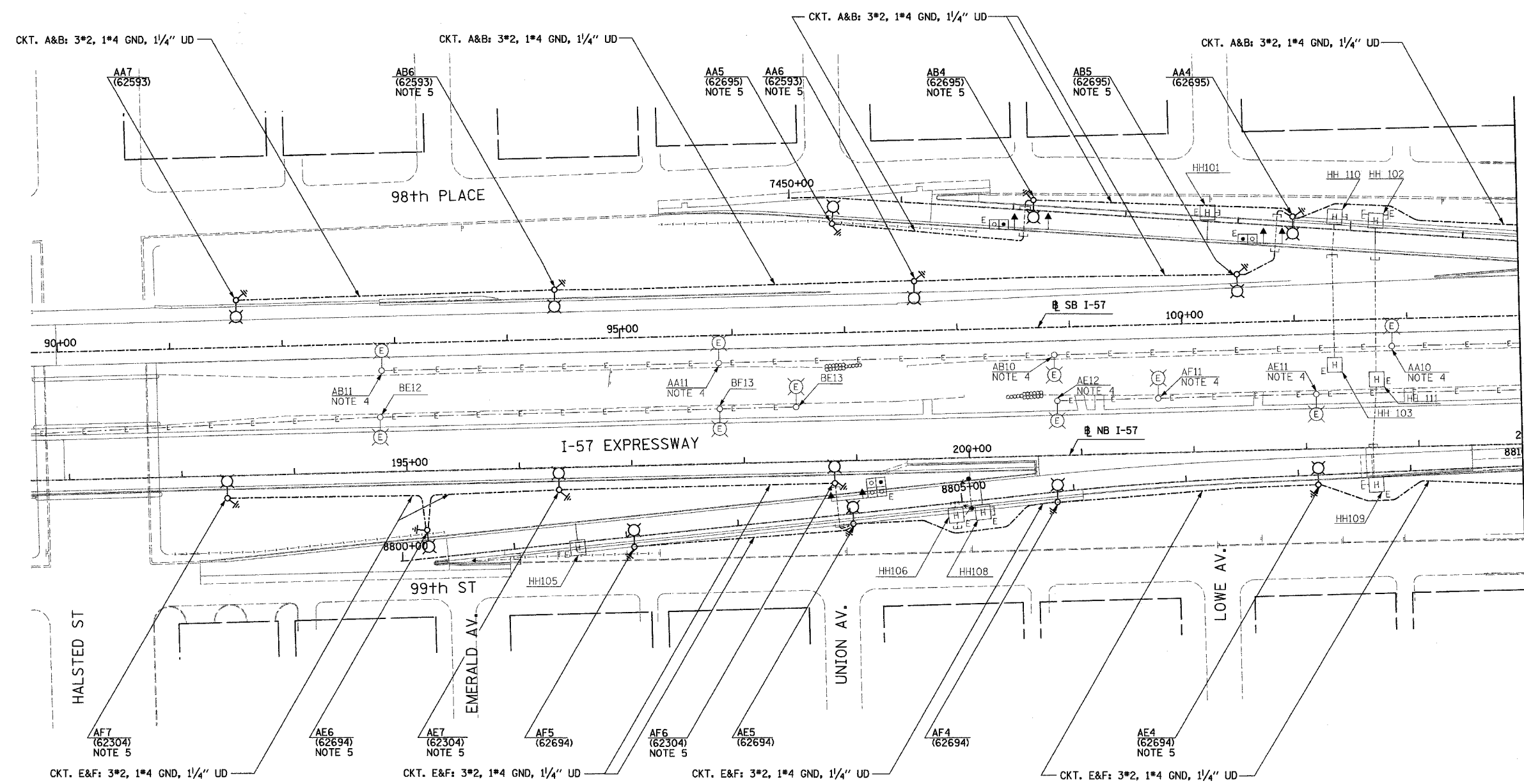
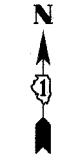
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)

ROADWAY LIGHTING PLANS
EXISTING AND REMOVAL

SCALE: 1"=50' DRAWN BY: VG
DATE: JANUARY 13, 2006 CHECKED BY: TM

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	36	25
STA. 89+90		TO STA. 103+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* 2005-014L		62937		



- LEGEND**
- EXISTING LIGHTING UNIT TO REMAIN
 - EXISTING HANDHOLE (PROVIDED UNDER THE SEPARATE CONTRACT)
 - UNDERGROUND REINFORCED CONCRETE ENCASED CNC DUCTBANK. (PROVIDED UNDER SEPARATE CONTRACT).
 - EXISTING LIGHTING CIRCUIT
 - FOUNDATION AND GROUND ROD (PROVIDED UNDER SEPARATE CONTRACT)
 - LIGHTING UNIT: 47'-6" POLE, 15 FT. M.A. 310W HPS M-C-III LUMINAIRE.
 - DIRECT BURIAL CABLE UNDERGROUND WITHOUT ENCASEMENT

- NOTES:**
1. UNLESS NOTED OTHERWISE ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS OF WORK.
 2. FOUNDATIONS AND ASSOCIATED GROUND RODS FOR CONVENTIONAL LIGHT POLES SHALL BE FURNISHED UNDER IDOT CIVIL CONTRACTS NOTED IN BRACKETS.
 3. CONTRACTOR TO PROVIDE POLE, LUMINAIRE, AND POLE WIRING AS PART OF THIS CONTRACT
 4. CONTRACTOR TO RELABEL LIGHT POLES LOCATED IN MEDIAN AS NOTED ON PLANS. THE COST TO RELABEL POLES IS CONSIDERED INCIDENTAL TO THE COST OF INSTALLING THE NEW LIGHTING SYSTEM.
 5. LIGHTING WITHOUT CONCRETE BARRIER WALL PROTECTION TO BE PROVIDED WITH BREAKAWAY TRANSFORMER BASE.



2D/RL-01

REVISIONS	
NAME	DATE

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

ROADWAY LIGHTING PLANS
PROPOSED IMPROVEMENTS

SCALE: 1"=50' DRAWN BY: VG
DATE: JANUARY 13, 2006 CHECKED BY: TM

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CHICAGO, IL 60606
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CONSULTING ENGINEERS FAX: (312) 629-8449

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	36	26
STA. 103+00		TO STA. 116+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 2005-014L		62937		

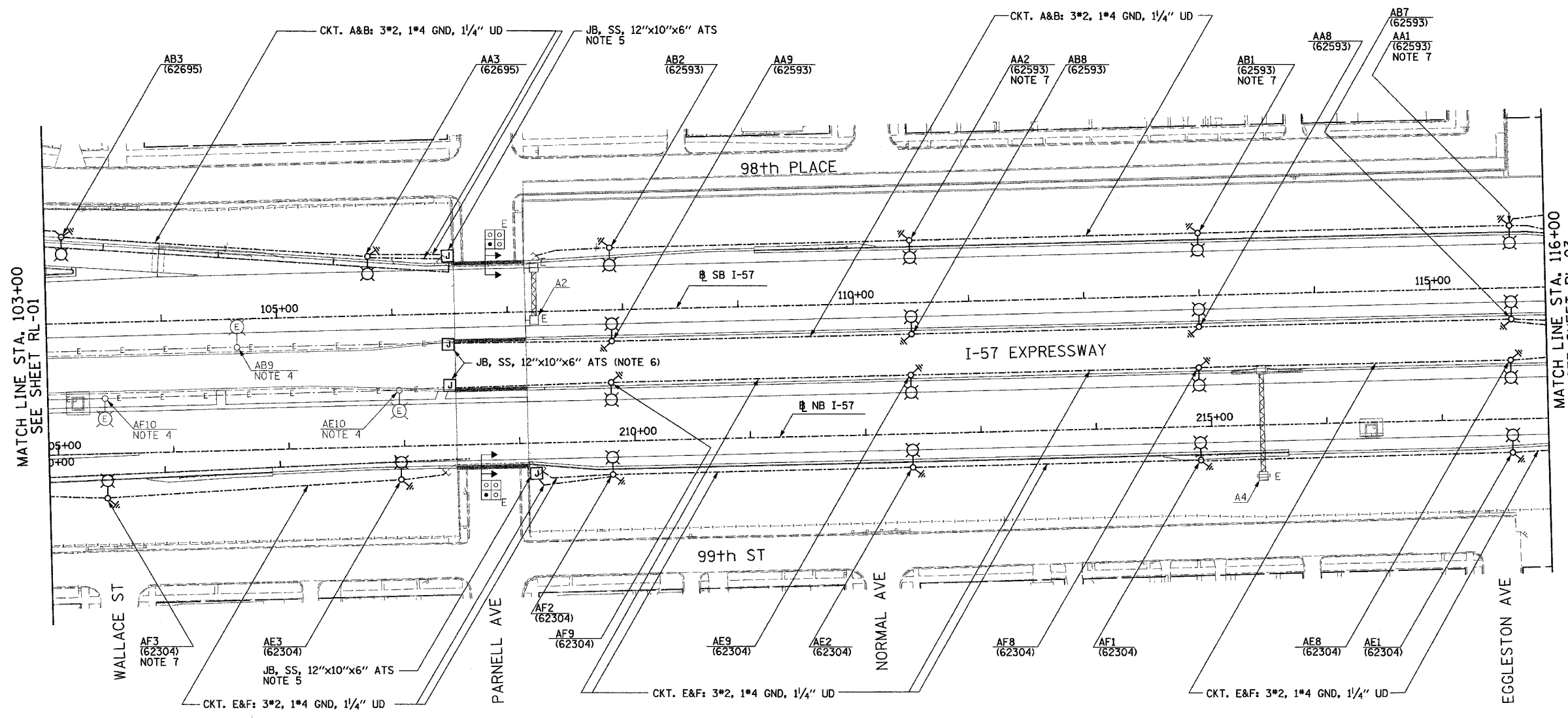


LEGEND

- EXISTING LIGHTING UNIT TO REMAIN
- EXISTING HANDHOLE (PROVIDED UNDER THE SEPARATE CONTRACT)
- UNDERGROUND REINFORCED CONCRETE ENCASED CNC DUCTBANK. (PROVIDED UNDER SEPARATE CONTRACT).
- EXISTING LIGHTING CIRCUIT
- FOUNDATION AND GROUND ROD (PROVIDED UNDER SEPARATE CONTRACT)
- LIGHTING UNIT: 47'-6" POLE, 15 FT. M.A. 310W HPS M-C-III LUMINAIRE.
- JUNCTION BOX: TYPE AND SIZE AS INDICATED ON PLANS
- DIRECT BURIAL CABLE UNDERGROUND WITHOUT ENCASEMENT

NOTES:

1. UNLESS NOTED OTHERWISE ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS OF WORK.
2. FOUNDATIONS AND ASSOCIATED GROUND RODS FOR CONVENTIONAL LIGHT POLES SHALL BE FURNISHED UNDER IDOT CIVIL CONTRACTS NOTED IN BRACKETS.
3. CONTRACTOR TO PROVIDE POLE, LUMINAIRE, AND POLE WIRING AS PART OF THIS CONTRACT
4. CONTRACTOR TO RELABEL LIGHT POLES LOCATED IN MEDIAN AS NOTED ON PLANS; THE COST TO RELABEL POLES IS CONSIDERED INCIDENTAL TO THE COST OF INSTALLING THE NEW LIGHTING SYSTEM.
5. MOUNT JUNCTION BOX TO ABUTMENT IN ACCORDANCE WITH DETAIL SHOWN ON SHEET 2D/RL-08. ROUTE UNIT DUCT TO JUNCTION BOX AND SEAL FOR UNDERPASS LIGHTING TO BE PROVIDED UNDER CONTRACT 62583. THIS CONTRACT TO MAINTAIN POWER TO UNDERPASS LIGHTING UNTIL NEW POWER FEEDERS ARE INSTALLED. COORDINATE WITH CONTRACT 62583.
6. SPLICE EXISTING MEDIAN LIGHTING TO LIGHTING CIRCUIT IN JUNCTION BOX MOUNTED TO ABUTMENT. CONTRACTOR TO LOCATE EXISTING UNDERGROUND FEEDER AND ROUTE TO NEW JUNCTION BOX.
7. LIGHTING WITHOUT CONCRETE BARRIER WALL PROTECTION TO BE PROVIDED WITH BREAKAWAY TRANSFORMER BASE.



MATCH LINE STA. 103+00
SEE SHEET RL-01

MATCH LINE STA. 116+00
SEE SHEET RL-03



2D/RL-02

REVISIONS	
NAME	DATE

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

ROADWAY LIGHTING PLANS
PROPOSED IMPROVEMENTS

SCALE: 1"=50' DRAWN BY: VG
DATE: JANUARY 13, 2006 CHECKED BY: TM

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CHICAGO, IL 60606
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SINGH & ASSOCIATES, INC. FAX: (312) 629-8449
CONSULTING ENGINEERS

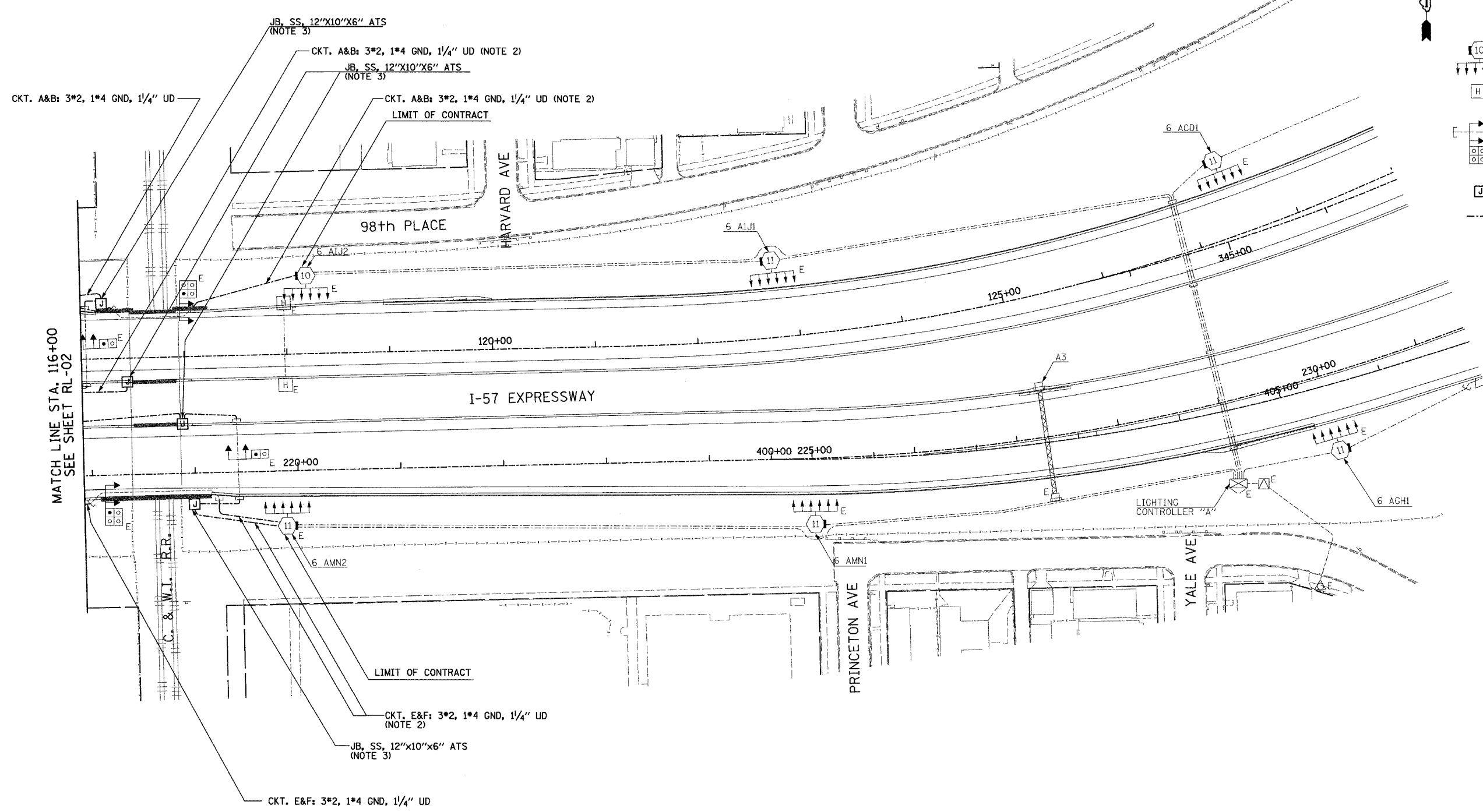
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	36	27
STA. 116+00.00		TO STA. 129+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• 2005-014L		62937		

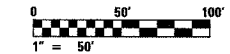


- LEGEND**
- HIGH MAST LIGHT TOWERS (PROVIDED UNDER SEPARATE CONTRACT)
 - EXISTING HANDHOLE (PROVIDED UNDER THE SEPARATE CONTRACT)
 - UNDERGROUND REINFORCED CONCRETE ENCASED CNC DUCTBANK. (PROVIDED UNDER SEPARATE CONTRACT).
 - JUNCTION BOX: TYPE AND SIZE AS INDICATED ON PLANS
 - DIRECT BURIAL CABLE UNDERGROUND WITHOUT ENCASEMENT

- NOTES:**
1. UNLESS NOTED OTHERWISE ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS OF WORK.
 2. SPLICE UNIT DUCT CABLES TO FEEDERS PROVIDED UNDER SEPARATE CONTRACT IN HIGH MAST TOWER.
 3. MOUNT JUNCTION BOX TO ABUTMENT OR PIER IN ACCORDANCE WITH DETAIL SHOWN ON SHEET 2D/RL-08. ROUTE UNITDUCT TO JUNCTION BOX AND SEAL FOR UNDERPASS LIGHTING TO BE PROVIDED UNDER SEPARATE CONTRACT. SPLICE MEDIAN LIGHTING TO UNIT DUCT IN JUNCTION BOX.



MATCH LINE STA. 116+00
SEE SHEET RL-02



2D/RL-03

REVISIONS	
NAME	DATE

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

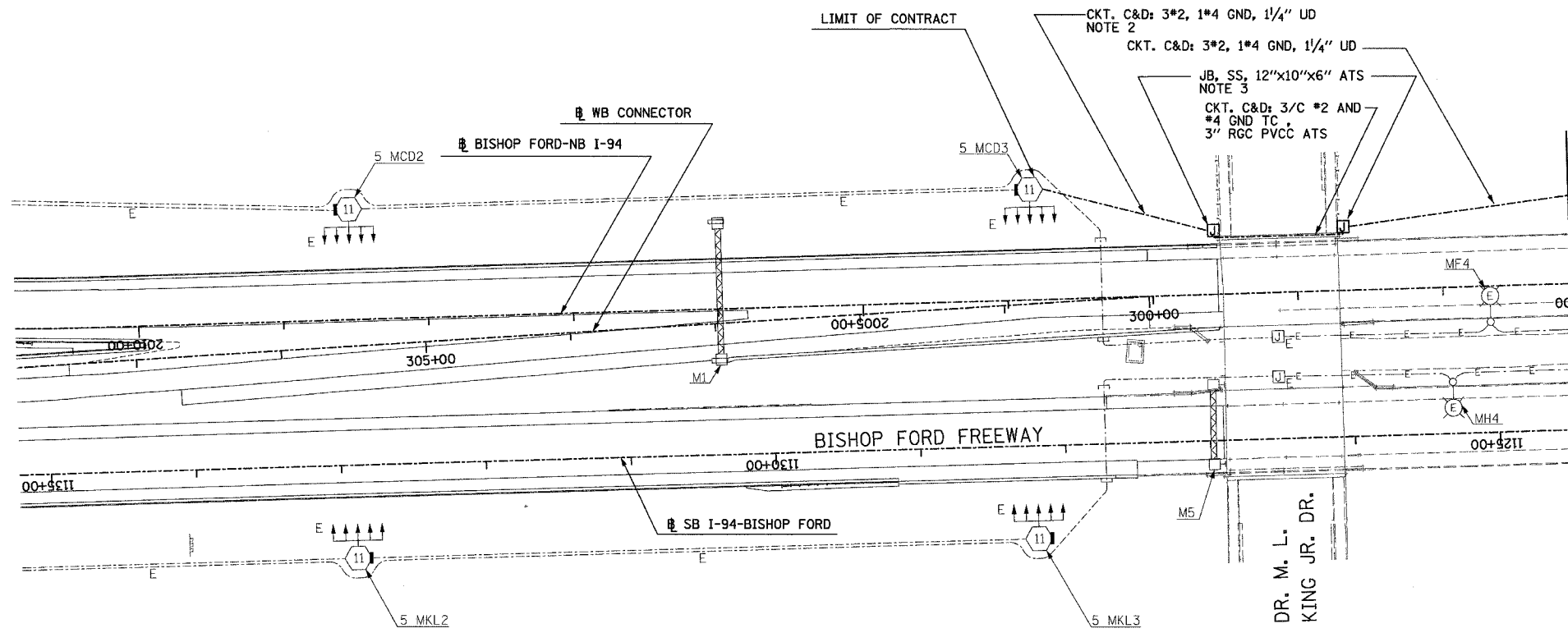
ROADWAY LIGHTING PLANS
PROPOSED IMPROVEMENTS

SCALE: 1"=50' DRAWN BY: VG
DATE: JANUARY 13, 2006 CHECKED BY: TM

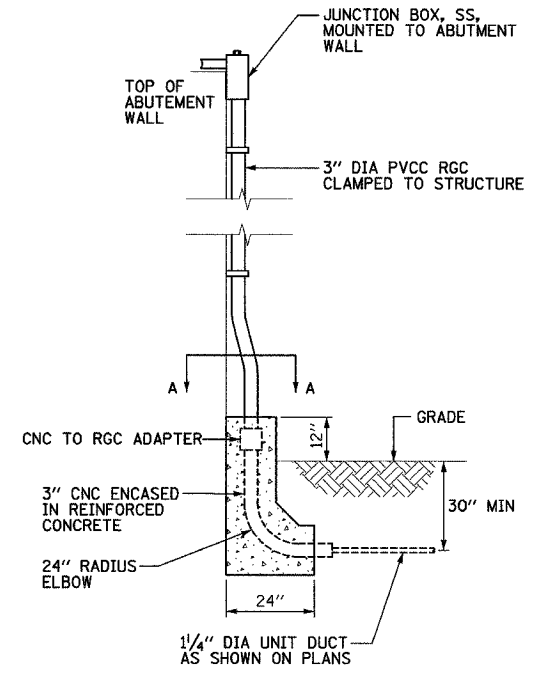
SINGH 300 W. ADAMS ST.
CHICAGO, IL 60606
SINGH & ASSOCIATES, INC. TEL: (312) 629-0240
CONSULTING ENGINEERS FAX: (312) 629-8449

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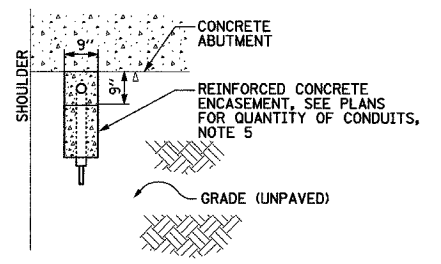
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	36	28
STA. 1135+22		TO STA. 1124+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• 2005-014L				62937



MATCH LINE STA. 1124+50
SEE SHEET RL-08A



JUNCTION BOX MOUNTING DETAIL
(NOTE 4)



DETAIL A-A
SCALE: 1/2" = 1'-0"



2D/RL-08

- LEGEND**
- HIGH MAST LIGHT TOWERS (PROVIDED UNDER SEPARATE CONTRACT)
 - EXISTING LIGHTING UNIT TO REMAIN
 - EXISTING JUNCTION BOX (PROVIDED UNDER THE SEPARATE CONTRACT)
 - EXISTING LIGHTING CIRCUIT
 - JUNCTION BOX; TYPE AND SIZE AS INDICATED ON PLANS
 - RACEWAY OR DIRECT BURIAL CABLE UNDERGROUND WITHOUT ENCASEMENT

- NOTES**
1. UNLESS NOTED OTHERWISE ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS OF WORK.
 2. SPLICE UNIT DUCT CABLES TO FEEDERS PROVIDED UNDER SEPARATE CONTRACT IN HIGH MAST TOWER.
 3. MOUNT JUNCTION BOX TO ABUTMENT IN ACCORDANCE WITH DETAIL SHOWN ON THIS SHEET.
 4. SECURE THE CONDUIT WITH PVC COATED CONDUIT CLAMPS AT 5'-0" INTERVALS FOR LATERALS AND WITHIN 2'-0" MAXIMUM FROM ANY JUNCTION BOX OR CHANGE IN DIRECTION. ALL PVC COATED CONDUIT CLAMPS WILL BE INCLUDED WITH THE COST OF THE "CONDUIT ATTACHED TO STRUCTURE 3" DIA., GALVANIZED STEEL, PVC COATED" PAY ITEM.
 5. THE LAST FOUR FEET OF UNIT DUCT(S) IN GRADE AND ONE ADDITIONAL FOOT OF UNIT DUCT(S) ABOVE GRADE SHALL BE ENCASED IN REINFORCED CONCRETE AS SHOWN. THE CONCRETE ENCASED UNIT DUCT SHALL BE INCLUDED FOR PAYMENT UNDER THE APPROPRIATE "CONDUIT ENCASED, REINFORCED CONCRETE" PAY ITEM. ALLOW FIVE FEET FOR EACH LOCATION.

SINGH 300 W. ADAMS ST.
CHICAGO, IL 60606
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REVISIONS	
NAME	DATE

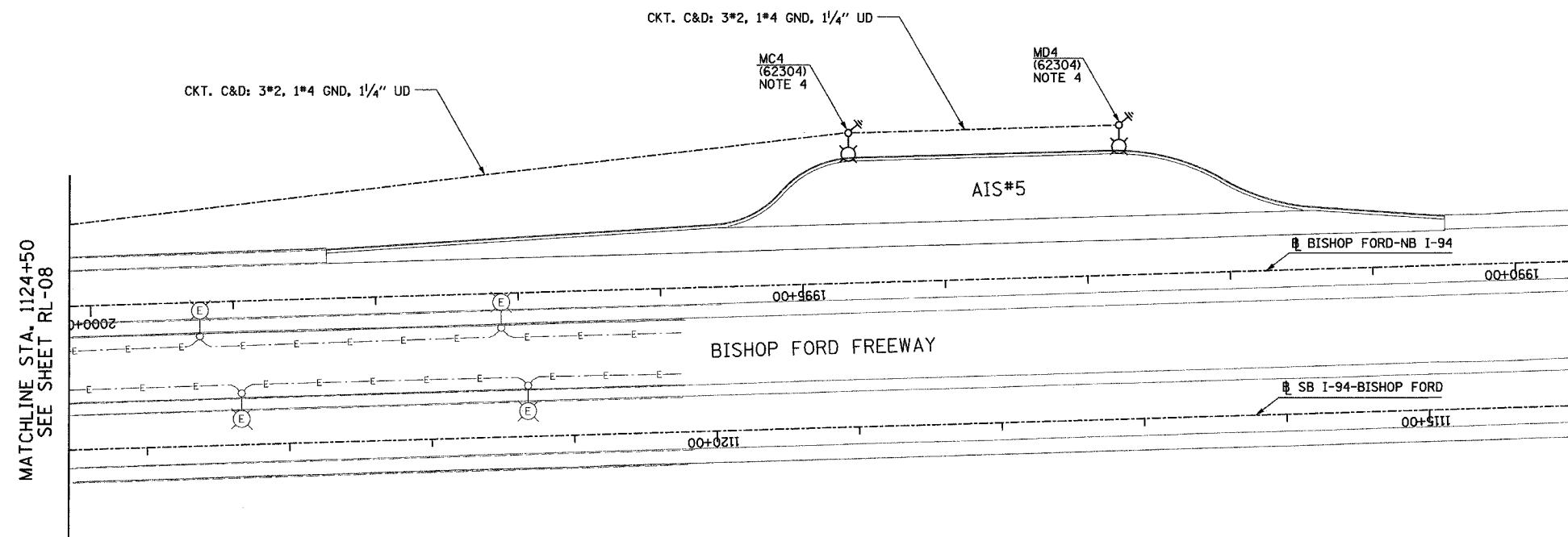
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)

ROADWAY LIGHTING PLANS
PROPOSED IMPROVEMENTS

SCALE: 1"=50' DRAWN BY: VG
DATE: JANUARY 13, 2006 CHECKED BY: TM

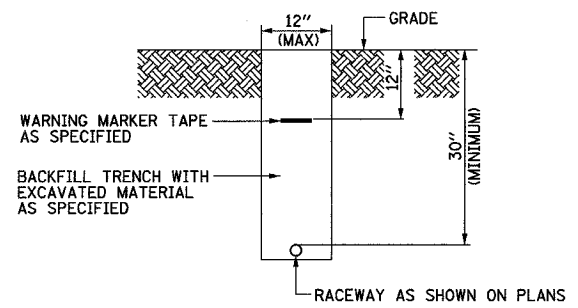
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	36	29
STA. 1124+50		TO STA. 1112+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* 2005-014L		62937		

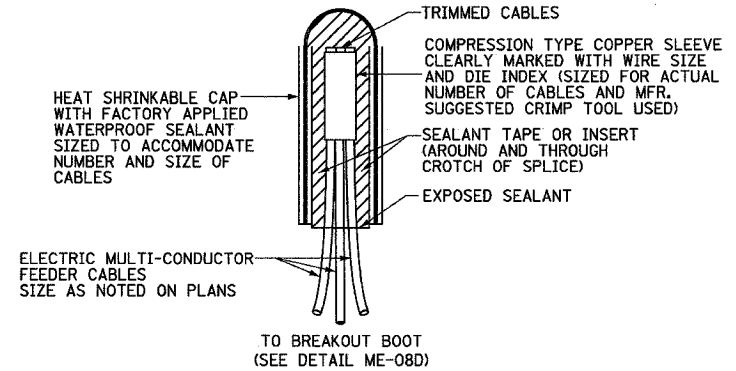


- LEGEND**
- EXISTING LIGHTING UNIT TO REMAIN
 - EXISTING LIGHTING CIRCUIT
 - FOUNDATION AND GROUND ROD (PROVIDED UNDER SEPARATE CONTRACT)
 - LIGHTING UNIT:
47'-6" POLE, 15 FT. M.A.
310W HPS M-C-III LUMINAIRE.
 - DIRECT BURIAL CABLE UNDERGROUND WITHOUT ENCASEMENT

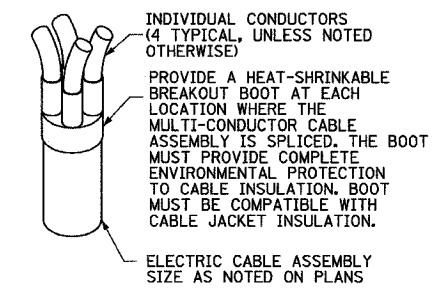
- NOTES:**
1. UNLESS NOTED OTHERWISE ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS OF WORK.
 2. FOUNDATIONS AND ASSOCIATED GROUND RODS FOR CONVENTIONAL LIGHT POLES SHALL BE FURNISHED UNDER IDOT CIVIL CONTRACTS AS NOTED IN BRACKETS.
 3. CONTRACTOR TO PROVIDE POLE, LUMINAIRE, AND POLE WIRING AS PART OF THIS CONTRACT.
 4. LIGHTING WITHOUT CONCRETE BARRIER WALL PROTECTION TO BE PROVIDED WITH BREAKAWAY TRANSFORMER BASE.



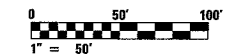
TYPICAL ELECTRICAL CONDUIT IN UNPAVED AREA
NOT TO SCALE



SPLICING ELECTRIC CABLES
BASIC MATERIALS AND METHODS DETAIL
NOT TO SCALE



BREAKOUT BOOT DETAIL
NOT TO SCALE



2D/RL-08A

SINGH
SINGH & ASSOCIATES, INC.
CONSULTING ENGINEERS

300 W. ADAMS ST.
CHICAGO, IL 60606
TEL: (312) 629-0240
FAX: (312) 629-8449

REVISIONS	
NAME	DATE

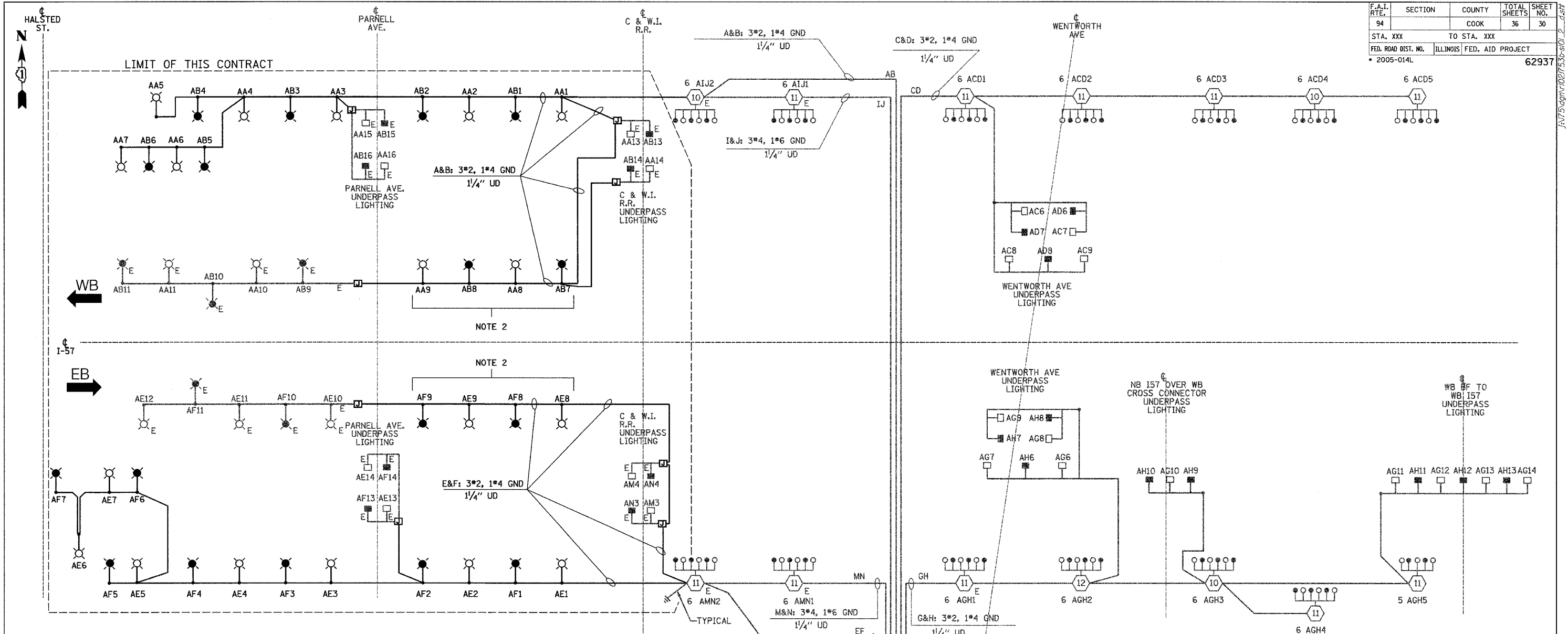
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)

ROADWAY LIGHTING PLANS
PROPOSED IMPROVEMENTS
AND DETAILS

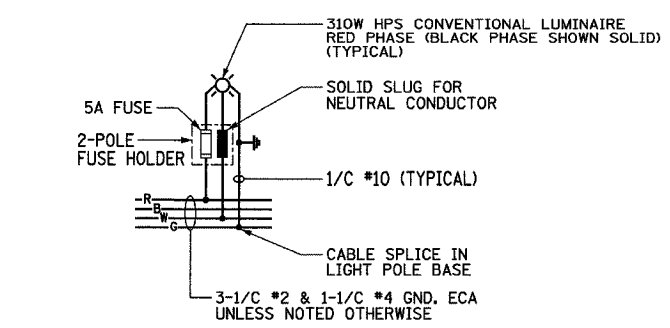
SCALE: 1"=50' DRAWN BY: VG
DATE: JANUARY 13, 2006 CHECKED BY: TM

J:\V\5\dgm\102753b_11-08a-c2-d5t 2/14/2006 2:38:15 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	36	30
STA. XXX		TO STA. XXX		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
2005-014L			62937	

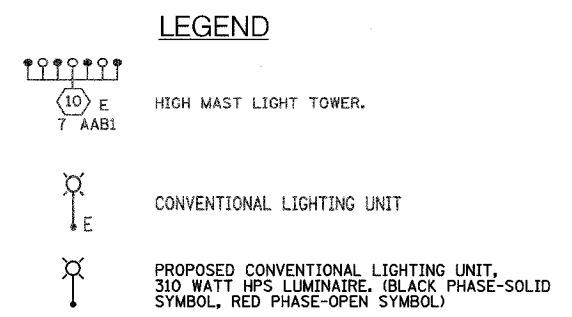


CIRCUIT	RED PHASE		BLACK PHASE		
	AMPS	WATTS	AMPS	WATTS	
A	20.3	4,872	B	20.3	4,872
C			D		
E	22.0	5,280	F	20.3	4,872
G			H		
I			J		
K			L		
M			N		
O			P		
TOTAL			TOTAL		



**SINGLE LINE DIAGRAM
LIGHTING CONTROLLER "A"**

- NOTES:**
- UNLESS NOTED OTHERWISE ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS OF WORK.
 - DO NOT PROVIDE BREAKAWAY TRANSFORMER BASE FOR THESE POLES.



NAME	DATE

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

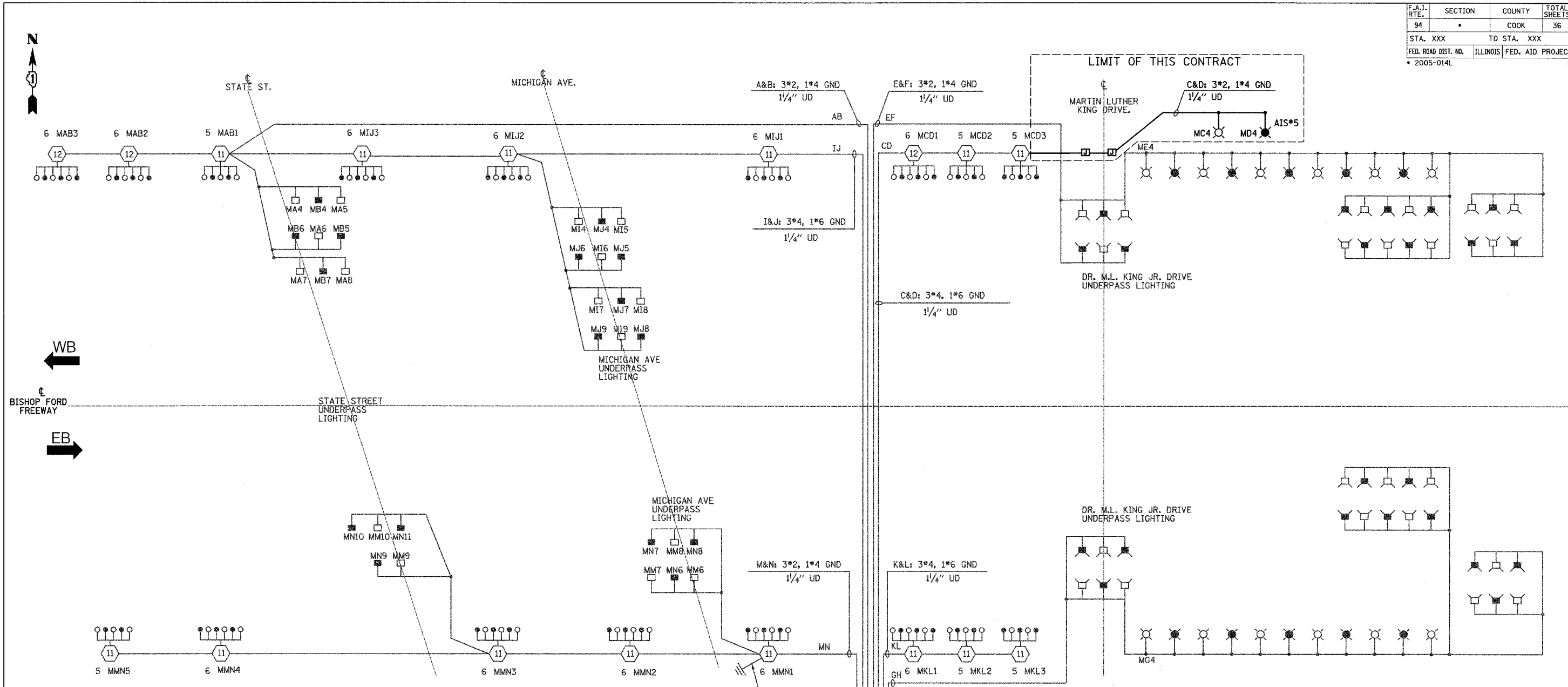
**SINGLE LINE DIAGRAM
LIGHTING CONTROLLER "A"**

SCALE: NOT TO SCALE DRAWN BY: VG
DATE: JANUARY 13, 2006 CHECKED BY: TM

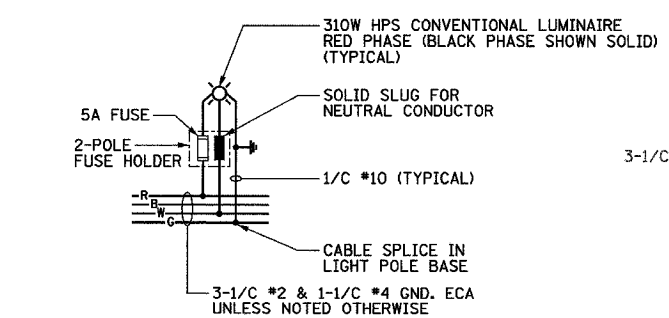
SINGH 300 W. ADAMS ST.
CHICAGO, IL 60606
SINGH & ASSOCIATES, INC. TEL: (312) 629-0240
CONSULTING ENGINEERS FAX: (312) 629-8449

2/4/2006 1:36:53 PM

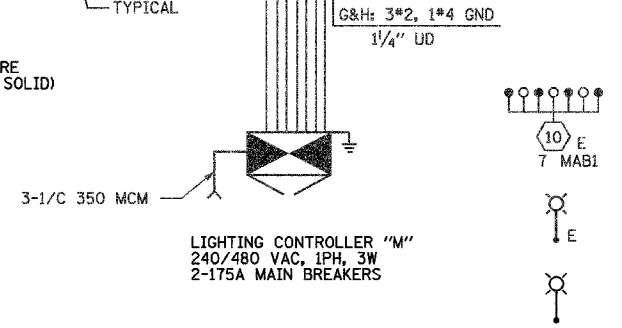
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	36	31
STA. XXX		TO STA. XXX		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• 2005-014L				62937



CIRCUIT	RED PHASE		BLACK PHASE	
	AMPS	WATTS	AMPS	WATTS
A			B	
C	17.7	4,248	D	17.7
E			F	4,248
G			H	
I			J	
K			L	
M			N	
O			P	
TOTAL			TOTAL	



TYPICAL CONVENTIONAL LIGHTING UNIT WIRING DIAGRAM
NOT TO SCALE



SINGLE LINE DIAGRAM LIGHTING CONTROLLER "M"

NOTE:
1. UNLESS NOTED OTHERWISE ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS OF WORK.

REVISIONS	
NAME	DATE

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

SINGLE LINE DIAGRAM LIGHTING CONTROLLER "M"

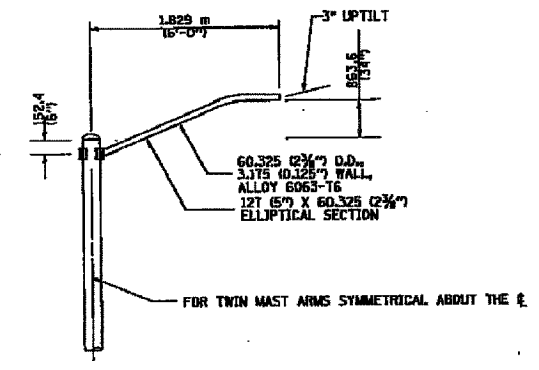
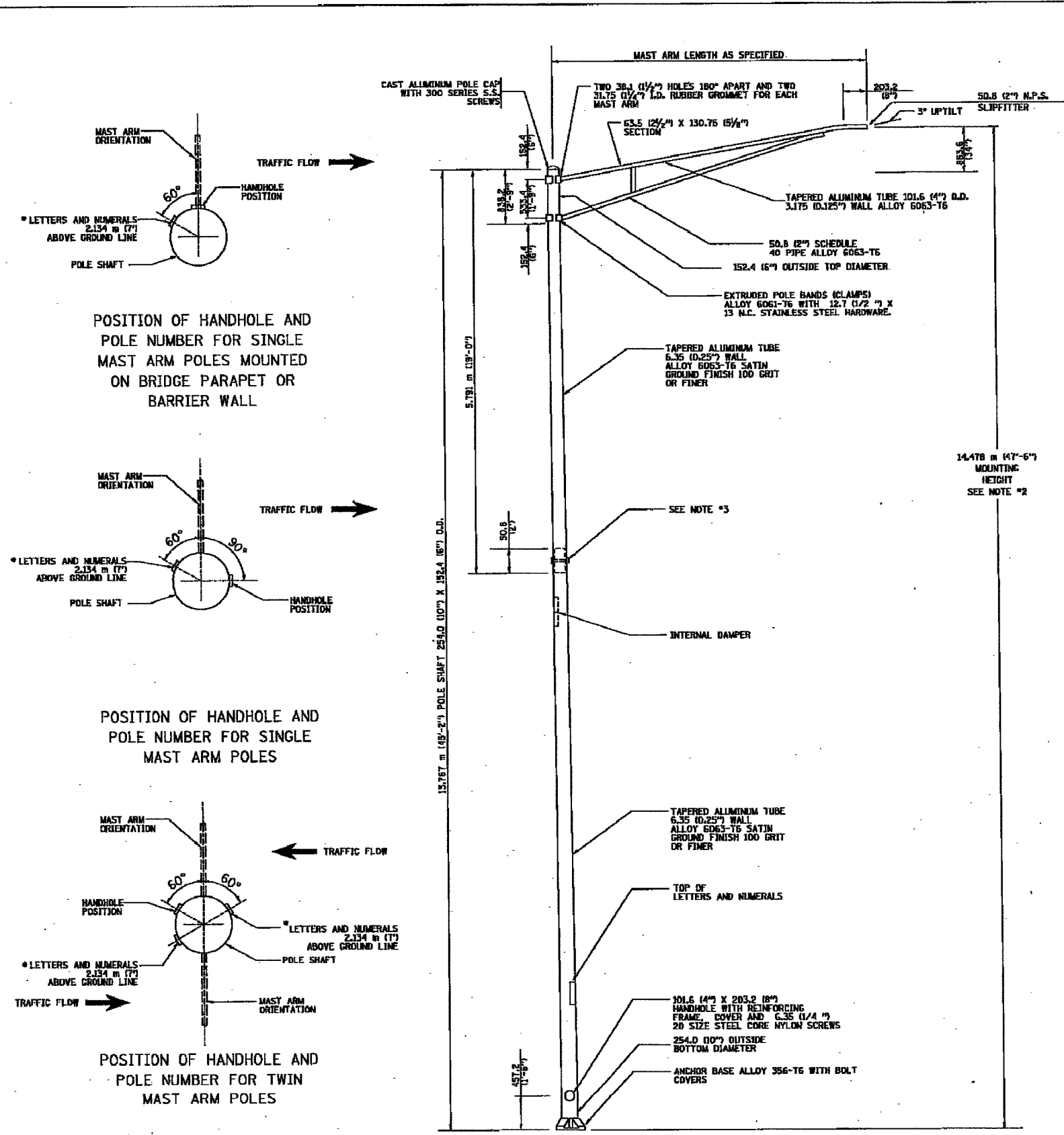
SCALE: NOT TO SCALE DRAWN BY: VG
DATE: JANUARY 13, 2006 CHECKED BY: TM

SINGH
SINGH & ASSOCIATES, INC.
CONSULTING ENGINEERS

300 W. ADAMS ST.
CHICAGO, IL 60606
TEL: (312) 629-0240
FAX: (312) 629-8449

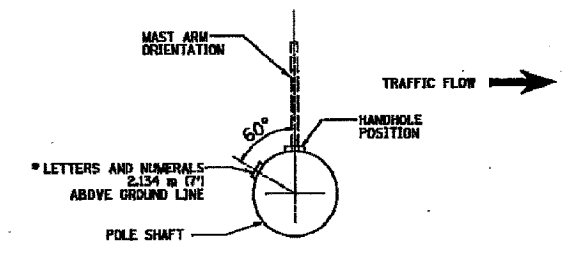
J:\75\09\94\10217539_S102_2.dwg 1/11/2006 3:03:11 PM

U.S. SEC.	SECTION	COUNTY	TRAIL MILES	SHEET NO.
94	8	COOK	36	32
STA. TO STA.		FILE NO. PROJECT		
2005-014L		62957		

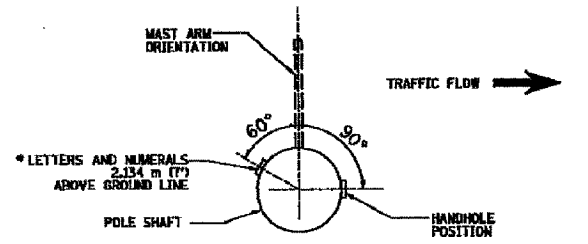


1.8 m (6') SINGLE MEMBER MAST ARM (N.T.S.)

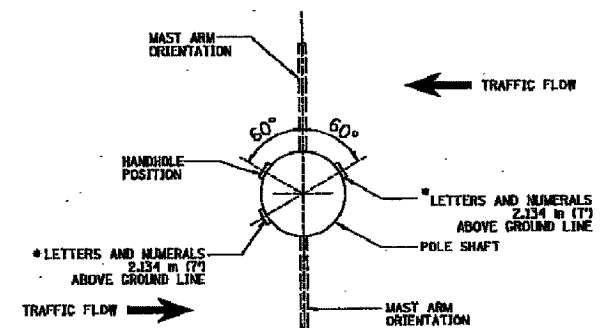
- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
 2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TOWER TO THE BOTTOM OF THE ANCHOR BASE.
 3. TWO PIECE SHAFT WILL BE MATCHED MARKED AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.
 4. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
 5. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR, BURNDY K2C2S, TAB SP4DL OR APPROVED EQUAL.
 6. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
 7. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
 8. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.



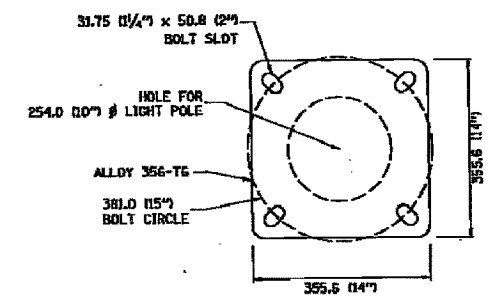
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL



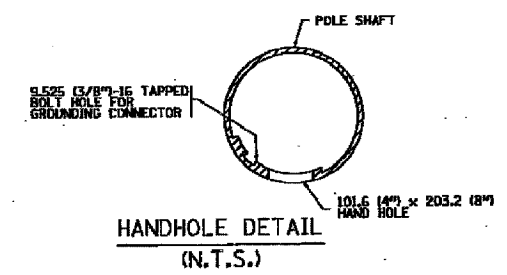
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES



POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES



LIGHT POLE BASE PLATE DETAIL
381.0 (15 INCH) BOLT CIRCLE



HANDHOLE DETAIL (N.T.S.)

REVISIONS	
NAME	DATE
R. TOMSONS	9-6-00
R. TOMSONS	8-12-03

BE-400

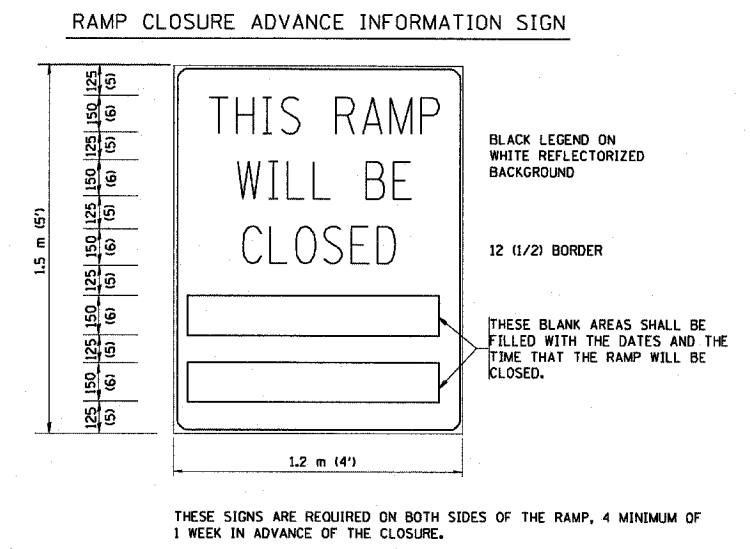
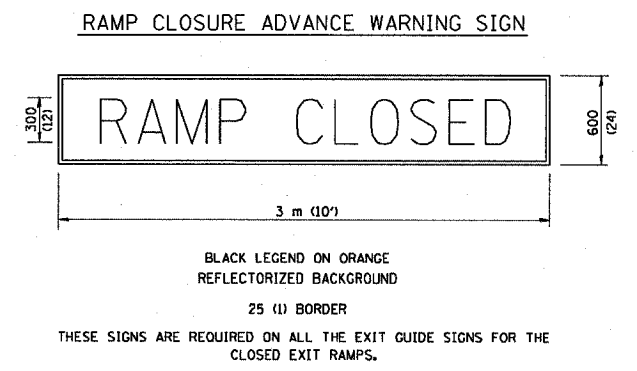
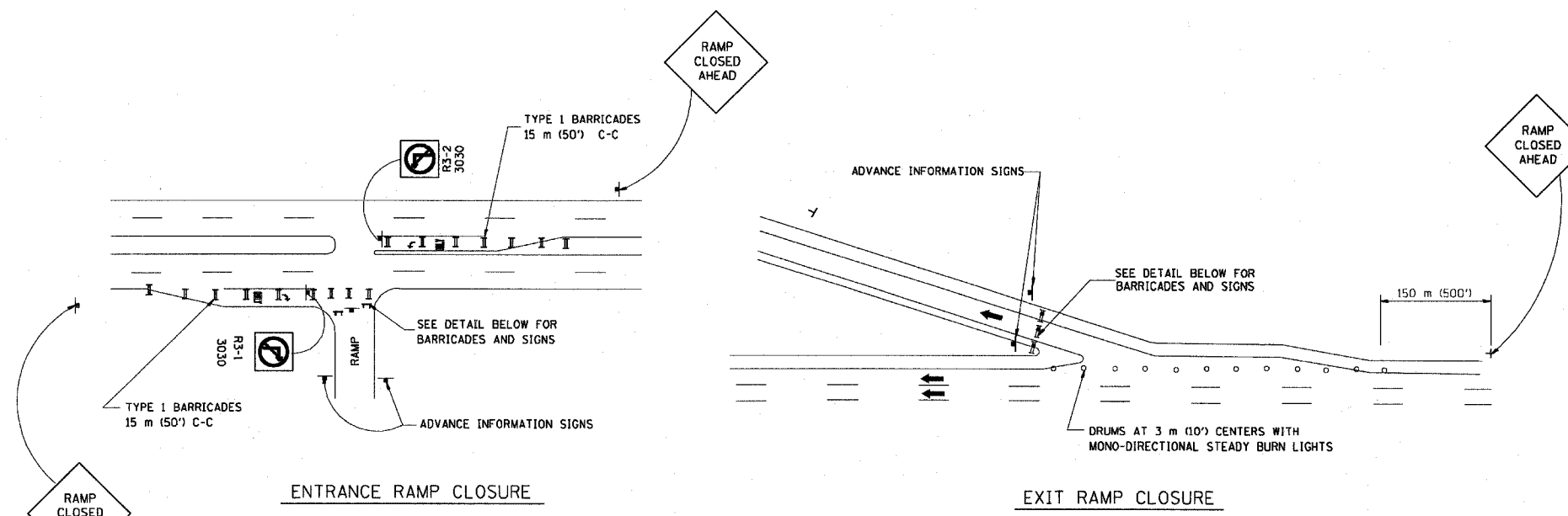
ILLINOIS DEPARTMENT OF TRANSPORTATION
ALUMINUM LIGHT POLE
14.478 m (47'-6")
MOUNTING HEIGHT

SCALE: NONE
DATE: 09/03/2003

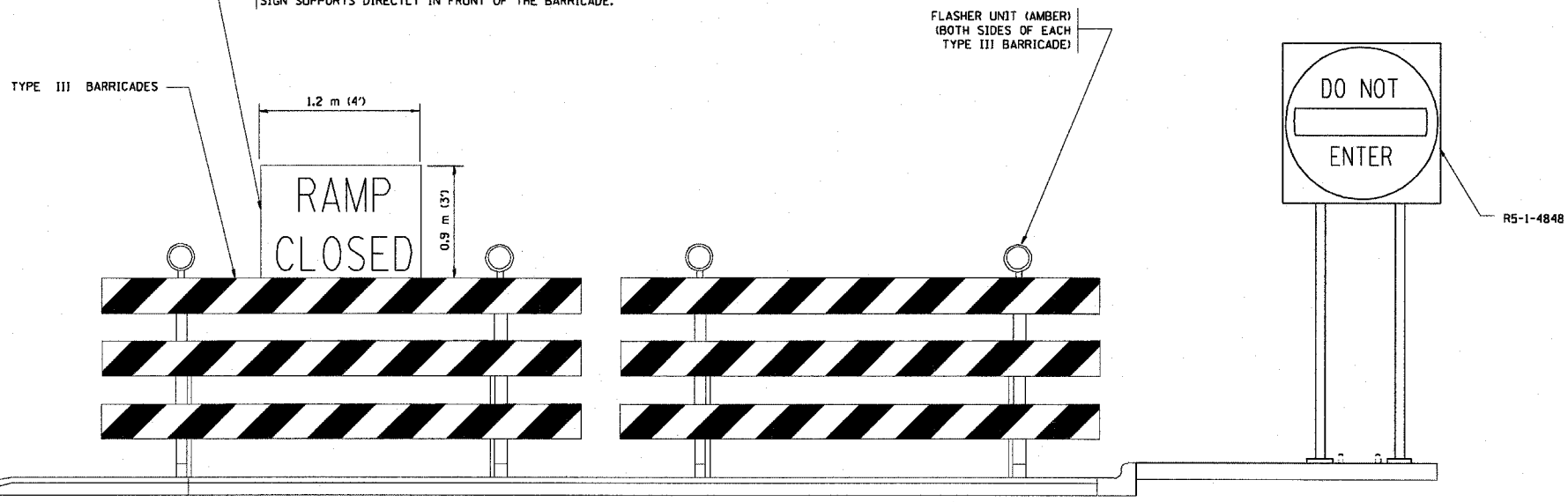
DRAWN BY:
CHECKED BY:
BE-400

REVISION DATE: 09/02/03

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	#	COOK	36	33
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*2005-014L			62937	



THE "RAMP CLOSED" SIGN SHALL BE B/W WITH 200 (8) CAPS. IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON NCHRP 350 TEMPORARY SIGN SUPPORTS DIRECTLY IN FRONT OF THE BARRICADE.



- GENERAL NOTES:
1. CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 700 (28) HIGH.
 2. STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
 3. A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES.
 4. FOR DAYTIME RAMP CLOSURES, LASTING 6 HOURS OR LESS, THE CONTRACTOR MAY ELIMINATE THE ADVANCE WARNING SIGNS ON THE EXIT GUIDE SIGNS.
 5. ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED.
 6. THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE CONSIDERED INCIDENTAL TO TRAFFIC CONTROL AND PROTECTION.
 7. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.

- NOTES:
1. CONES MAY BE SUBSTITUTED FOR TYPE I AND TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28" IN HEIGHT.
 2. STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
 3. THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS.
 4. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED TWENTY-FOUR (24) HOURS IN LENGTH.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
ILLINOIS DEPARTMENT OF TRANSPORTATION

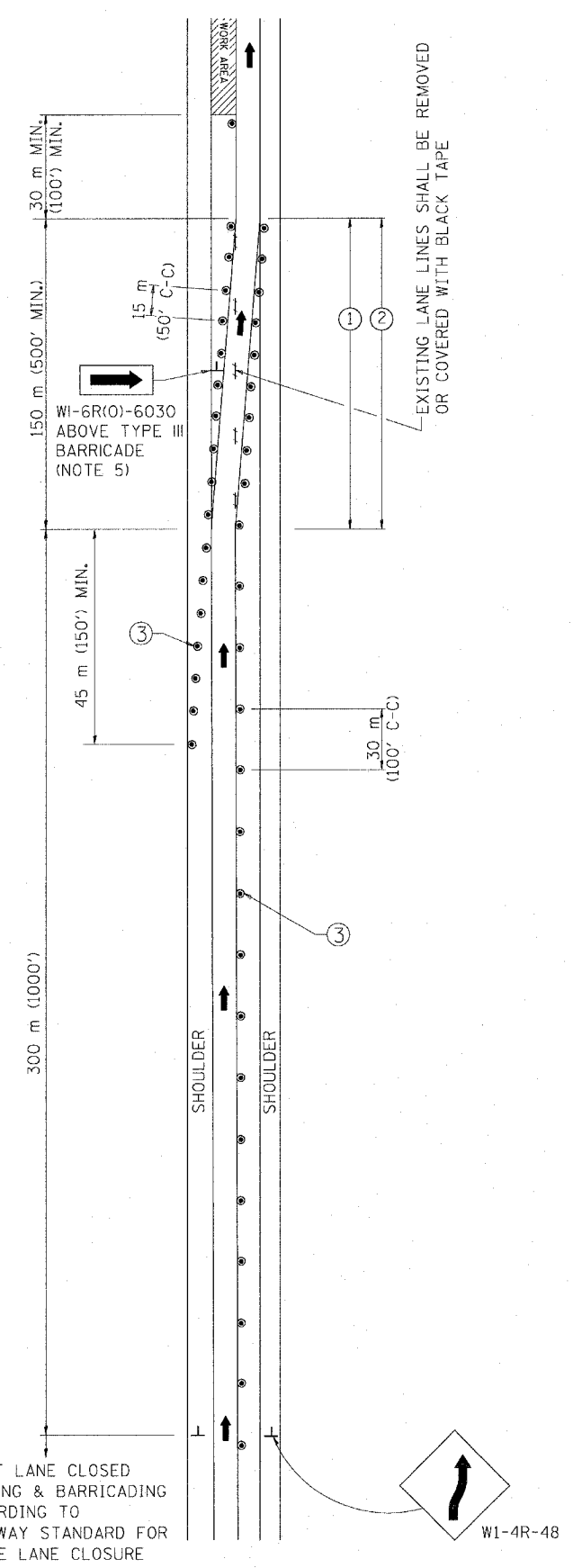
REVISIONS	
NAME	DATE
DWS	2-83
DWS	1/90
DWS	9/94
DWS	12/94
DWS/JAF	12/02
Revise devices to meet NCHRP 350	4/03

FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS

SCALE: NONE
DATE 05/06/2003
DRAWN BY
CHECKED BY TC-8

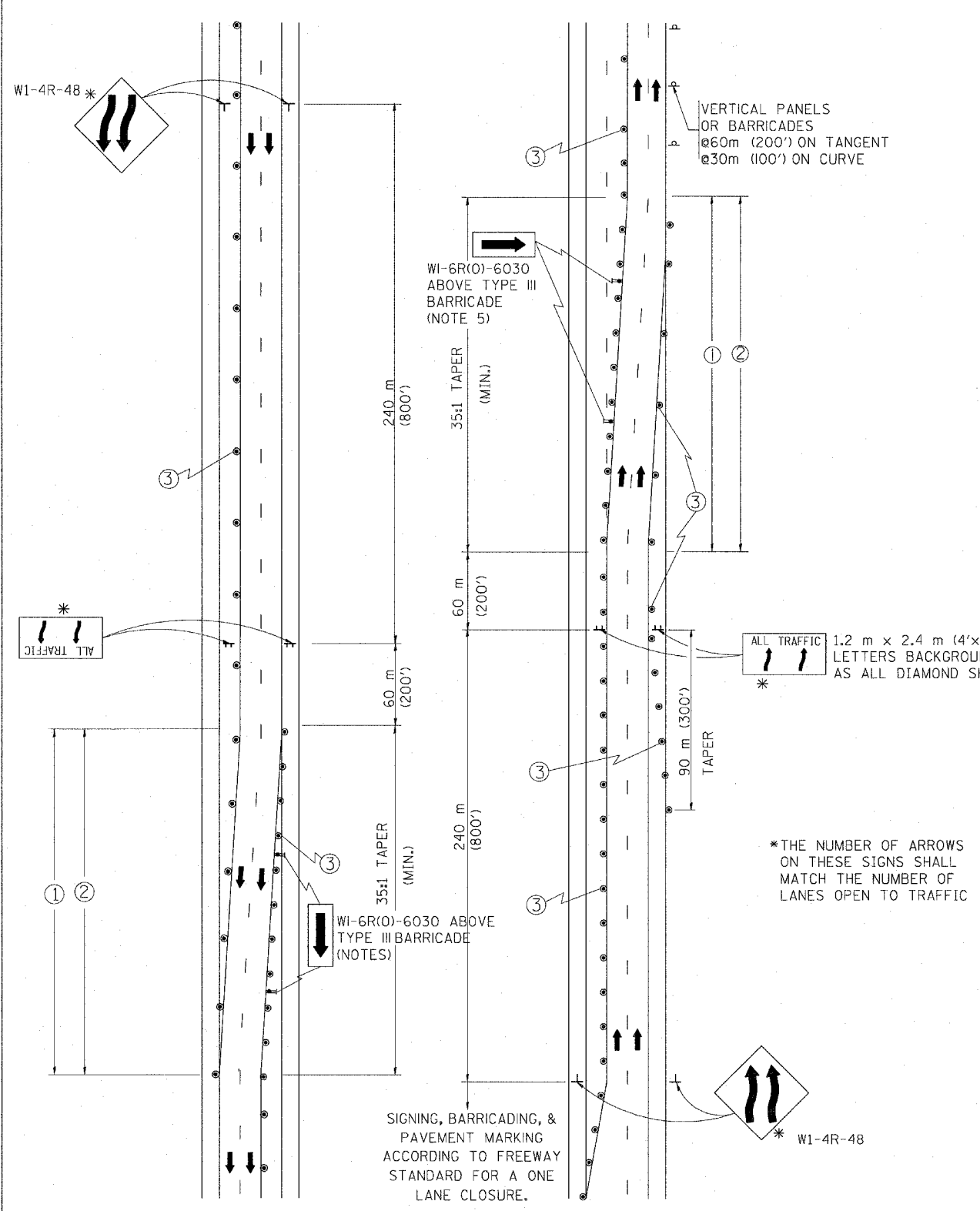
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
99	*	COOK	26	34
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		
*2005-014L		62957		

SINGLE LANE WEAVE



RIGHT LANE CLOSED
SIGNING & BARRICADING
ACCORDING TO
FREEWAY STANDARD FOR
A ONE LANE CLOSURE

MULTI-LANE WEAVE



SIGNING, BARRICADING, &
PAVEMENT MARKING
ACCORDING TO FREEWAY
STANDARD FOR A ONE
LANE CLOSURE.

GENERAL NOTES

- ① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED OR COVERED WITH BLACK TAPE. PAVEMENT MARKING REMOVAL OR BLACK TAPE SHALL NOT BE REQUIRED FOR LANE CLOSURES UNDER 24 HOURS IN DURATION.
- ② CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 90 m (300') ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVE LANE LINES SHALL BE 3 M-9 M (10'-30') SKIP DASH, WHITE.
- ③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 15 m (50') C-C SPACING IN TAPERS AND 30 m (100') C-C SPACING IN TANGENTS.
- ④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ⑤ IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON NCHRP 350 TEMPORARY SIGN SUPPORTS DIRECTLY IN FRONT OF THE BARRICADE.

SYMBOLS

- ↑ DIRECTION OF TRAFFIC
- ▨ WORK AREA
- ┌ SIGN ON PORTABLE OR PERMANENT SUPPORT
- ⊙ DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

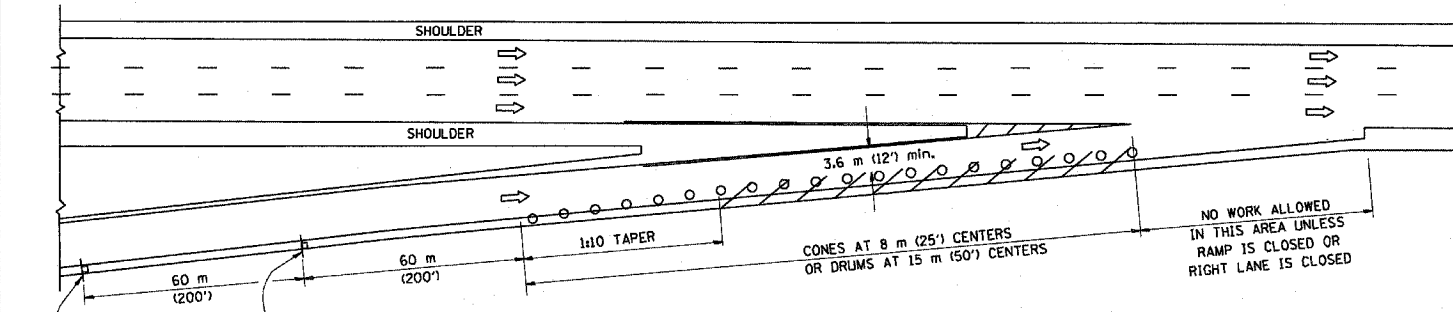
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL DETAILS
FOR FREEWAY
SINGLE & MULTI-LANE WEAVE

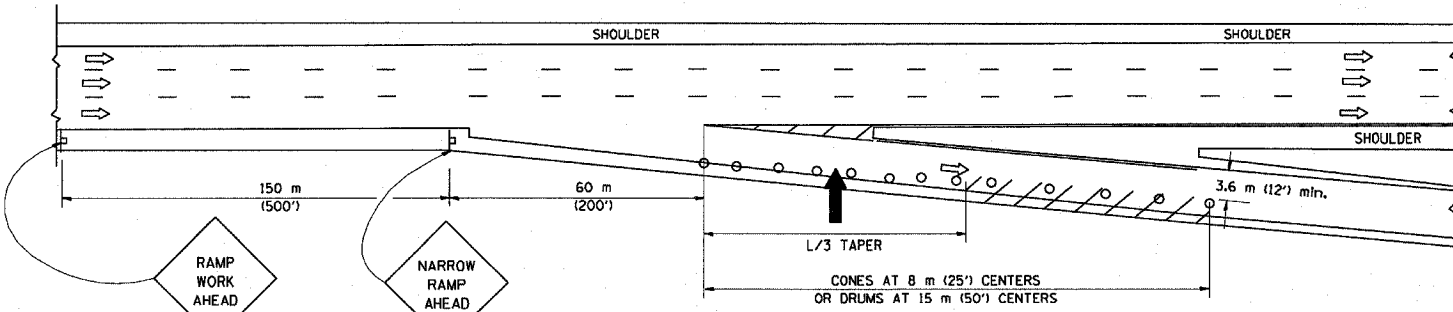
REVISIONS	
NAME	DATE
DWS	2/87
DWS	1/90
DWS	12/27/94
DWS	11/96
JAF	4/03

SCALE: NONE
DATE: 05/12/2003
DRAWN BY R.H.
CHECKED BY TC-9

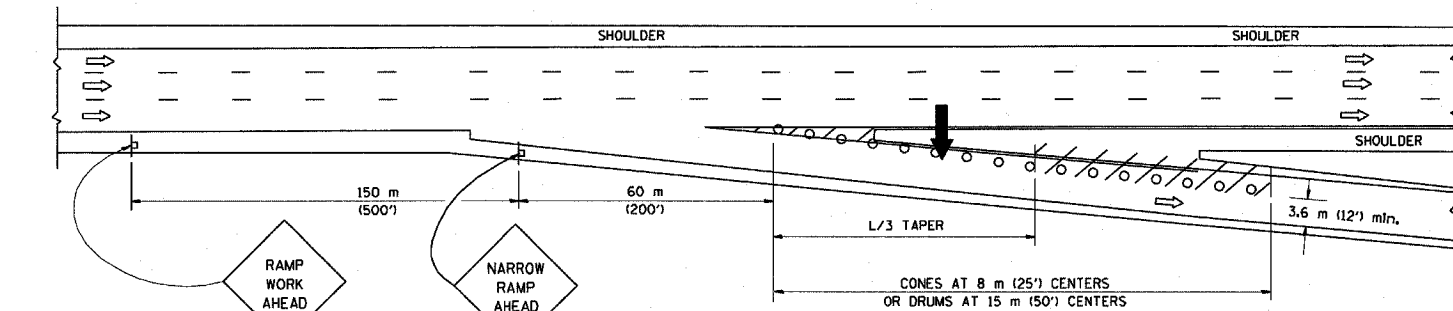
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

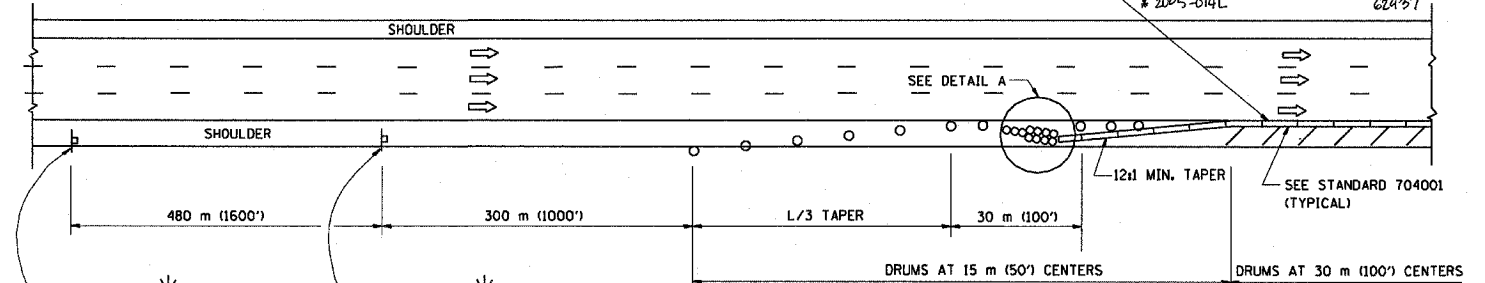
- ARROWBOARD
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- CONES - 700 (28) IN HEIGHT

GENERAL NOTES

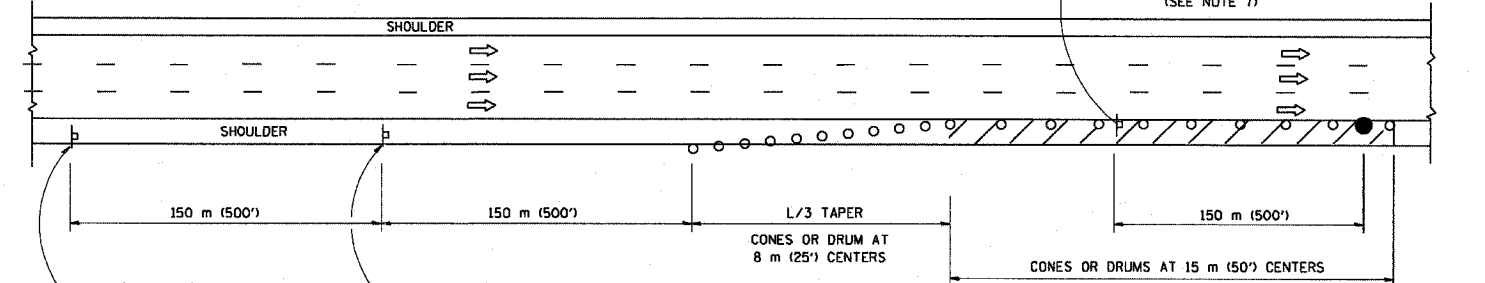
1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
80 km/h (45 mph) OR GREATER:	METRIC $L=0.65(W)S$ ENGLISH $L=(W)S$
W = WIDTH OF OFFSET IN METERS (FEET)	S = NORMAL POSTED SPEED KM/H (MPH)
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS



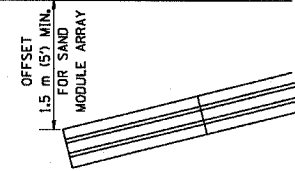
PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
 1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 4.5 m (15') TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.

ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350 COMPLIANT FOR POSTED SPEED.



DETAIL "A"
 IMPACT ATTENUATOR, TEMPORARY
 (SEE NOTE 5)

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS OUTSIDE THE CLEAR ZONE OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE "TRAFFIC BARRIER TERMINAL, TYPE III, TEMPORARY" DEVICE TO MEET NCHRP350 FOR POSTED SPEED.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK AVTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 30 m (100') TO 60 m (200') IN ADVANCE OF THE WORKERS.

F.A. RTE. 94	SECTION #	COUNTY COOK	TOTAL SHEETS 36	SHEET NO. 35
STA. #	TO STA. #			
FED. ROAD DIST. NO. # 2005-014L	ILLINOIS FED. AID PROJECT # 62A97			

REVISIONS	
NAME	DATE
DWS	11/96
JAF	12/02
NCHRP 350	04/03

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

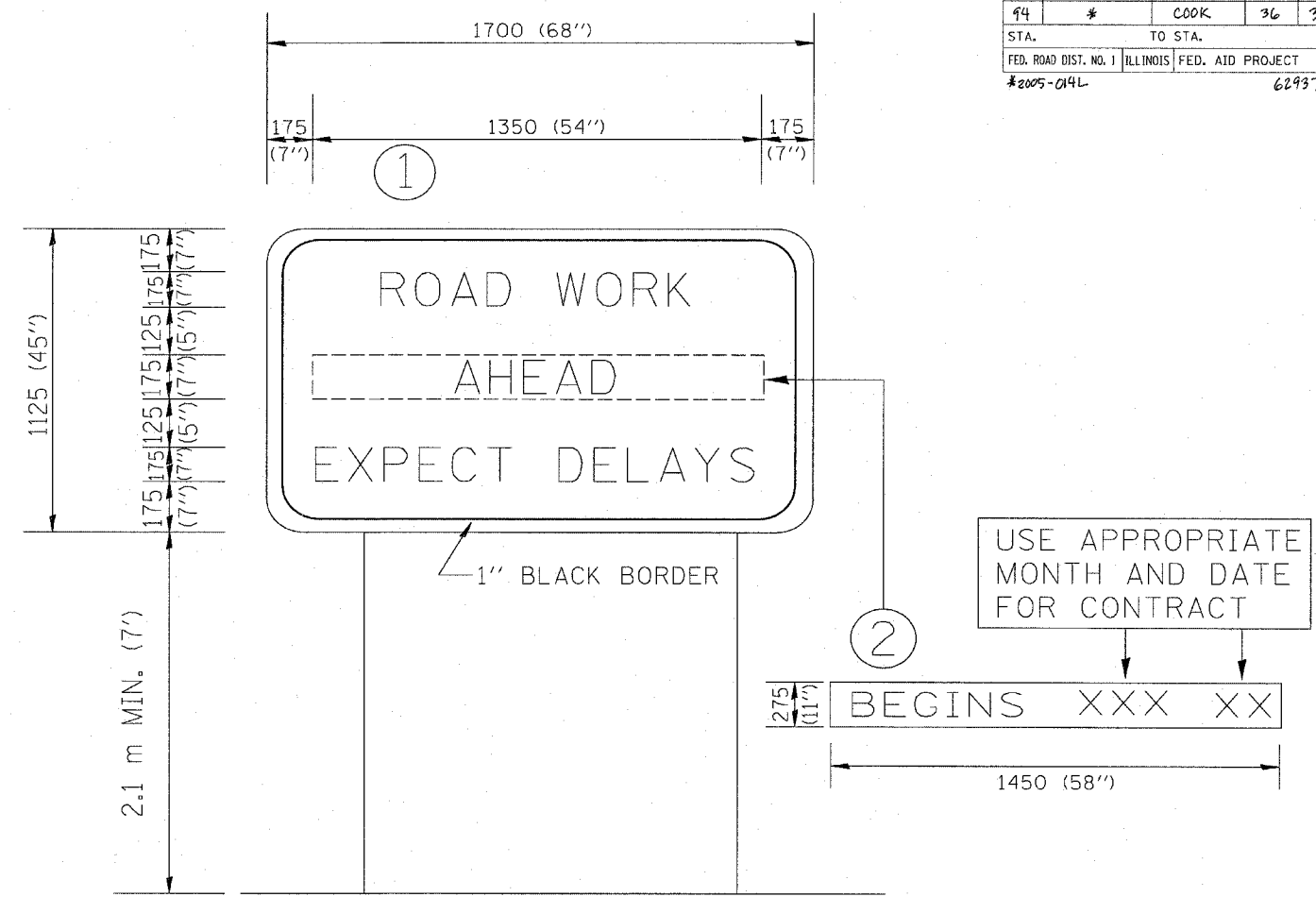
ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES PARTIAL RAMP CLOSURES

SCALE: NONE
 DATE: 05/06/2003

DRAWN BY: DWS
 DESIGNED BY: DWS
 CHECKED BY: TC-17

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14	#	COOK	36	36
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
#2005-04L		62937		



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 2.3 SQ. M. (25.70 SQ. FT.)

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

REVISIONS	
NAME	DATE
R. MIRS	9-15-97
R. MIRS	12-11-97
T. RAMMACHER	2-2-99

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY INFORMATION SIGNING

SCALE: DATE 10/18/2002
 DRAWN BY: BUR. OF DESIGN
 CHECKED BY: