

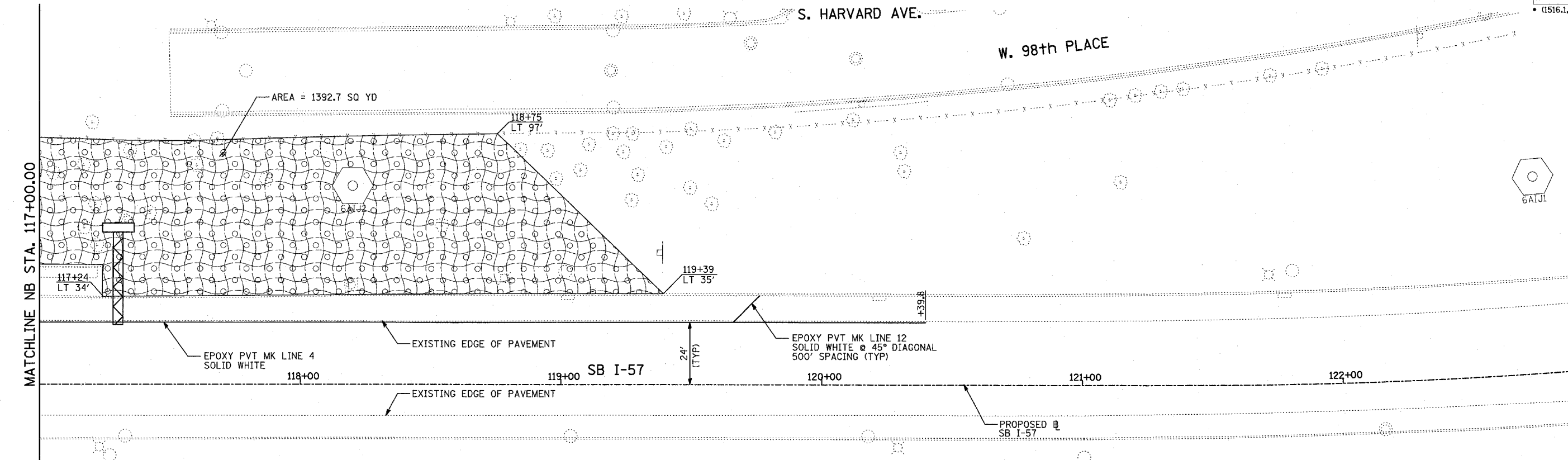
S. HARVARD AVE.

W. 98th PLACE

AREA = 1392.7 SQ YD

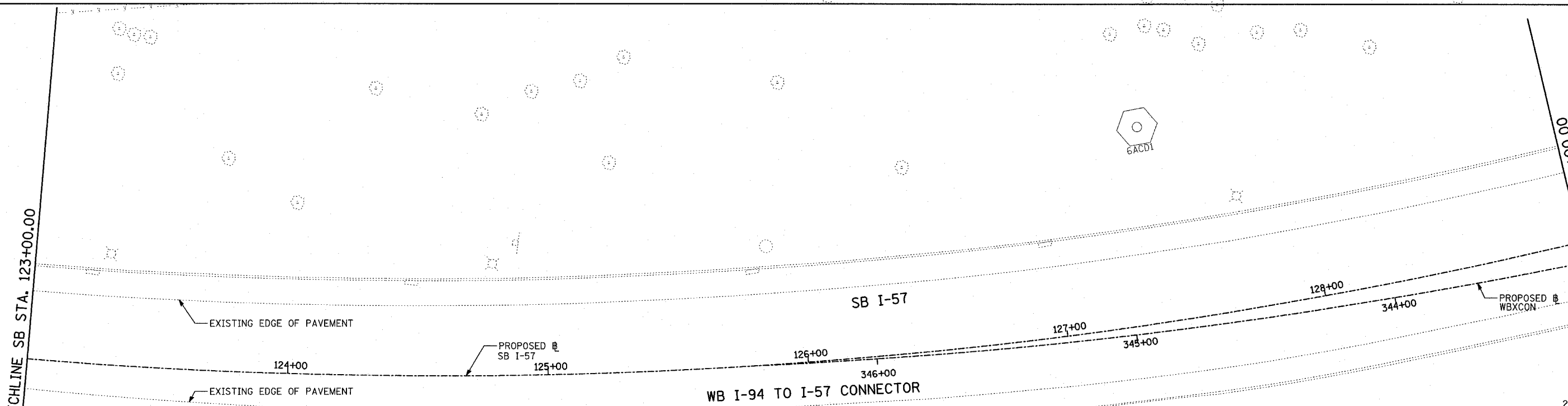
MATCHLINE NB STA. 117+00.00

MATCHLINE SB STA. 123+00.00



MATCHLINE SB STA. 123+00.00

MATCHLINE SB STA. 129+00.00



LEGEND:

EROSION CONTROL BLANKET, SEEDING, CLASS 2A, NITROGEN, PHOSPHORUS, AND POTASSIUM FERTILIZER NUTRIENTS, TOPSOIL FURNISH AND PLACE, 4"

EROSION CONTROL BLANKET, SEEDING, CLASS 2A, NITROGEN, PHOSPHORUS, AND POTASSIUM FERTILIZER NUTRIENTS, TOPSOIL FURNISH AND PLACE, 12" COMPOST FURNISH AND PLACE, 6"

TOPSOIL FURNISH AND PLACE, 12" COMPOST FURNISH AND PLACE, 6" 4" MULCH BED PRE-EMERGENT GRANULAR HERBICIDE

PAVEMENT MARKING NOTES:

- PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH IDOT DISTRICT ONE STANDARD TC-12. RAISED PAVEMENT MARKERS SHALL NOT BE INSTALLED, EXCEPT AS SHOWN ON THE PLANS.
- THE RESIDENT ENGINEER SHALL CONTACT JULIA FOX (847) 705-4151, EXPRESSWAY TRAFFIC CONTROL SUPERVISOR, PRIOR TO PLACING ANY PAVEMENT MARKINGS.

LANDSCAPING GENERAL PLAN NOTES:

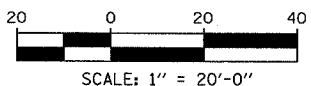
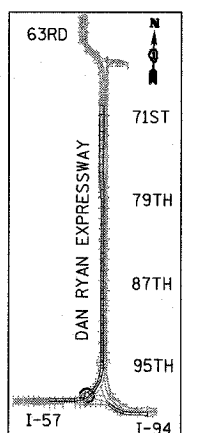
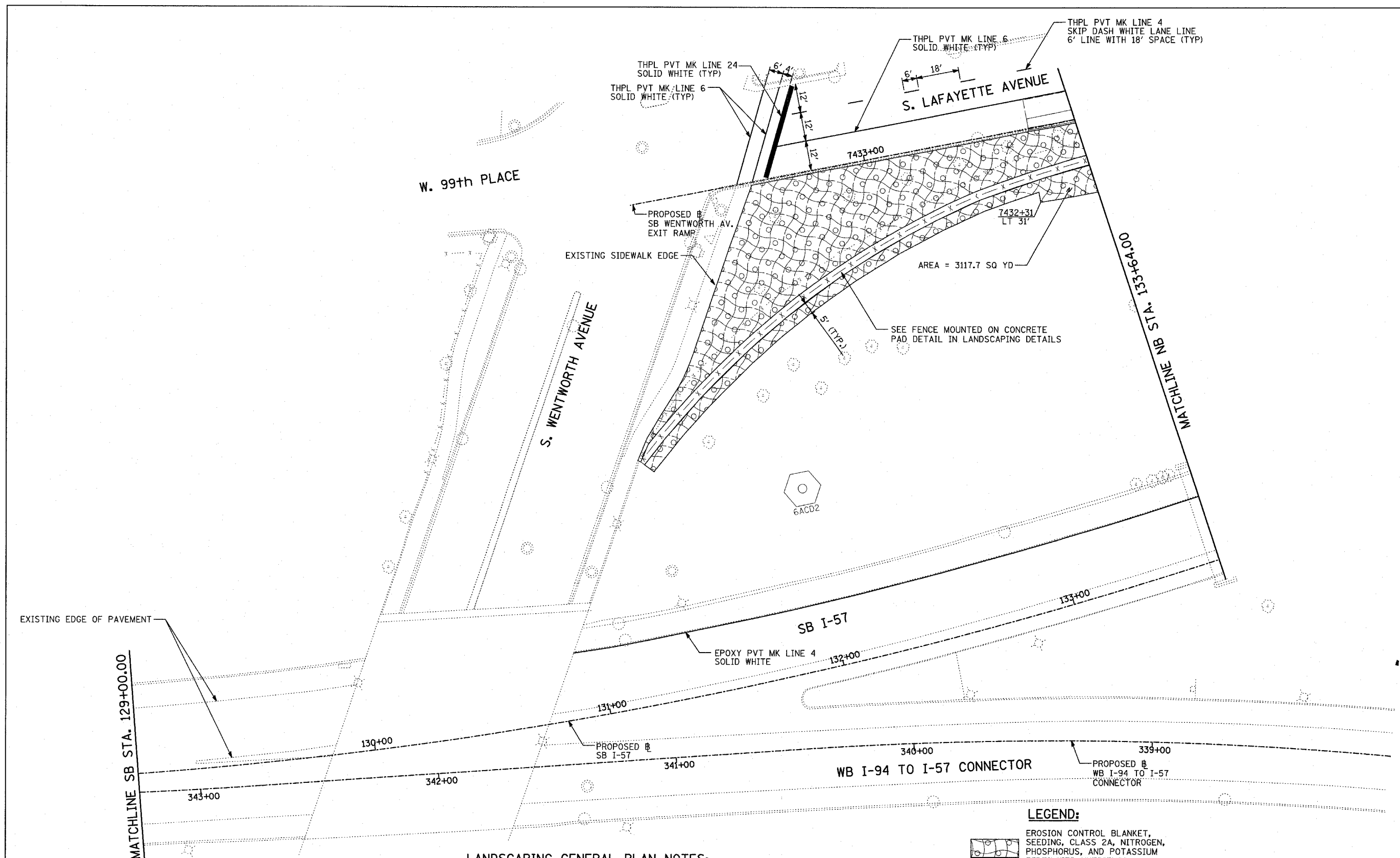
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- NOTE NOT USED
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REVISIONS	
NAME	DATE
REVISOR	05/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
PAVEMENT MARKING AND LANDSCAPING
SB HALSTED STREET EXIT RAMP
SB I-57 STA. 117+00.00 TO 129+00.00
SHEET 3 OF 27

SCALE: 1"=20'
DATE: MARCH 25, 2005
DRAWN BY: JJS, JPA
CHECKED BY: JPM, MAG

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	302
STA. 1200+00.00 TO STA. 1365+00				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
• (1516.1, 1717 & 1818) R-9 62695				



PAVEMENT MARKING NOTES:

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LEGEND:

- EROSION CONTROL BLANKET, SEEDING, CLASS 2A, NITROGEN, PHOSPHORUS, AND POTASSIUM FERTILIZER NUTRIENTS, TOPSOIL FURNISH AND PLACE, 4"
- EROSION CONTROL BLANKET, SEEDING, CLASS 2A, NITROGEN, PHOSPHORUS, AND POTASSIUM FERTILIZER NUTRIENTS, TOPSOIL FURNISH AND PLACE, 12" COMPOST FURNISH AND PLACE, 6"
- TOPSOIL FURNISH AND PLACE, 12" COMPOST FURNISH AND PLACE, 6" 4" MULCH BED PRE-EMERGENT GRANULAR HERBICIDE

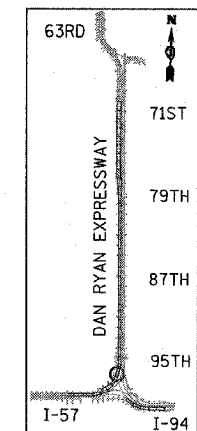
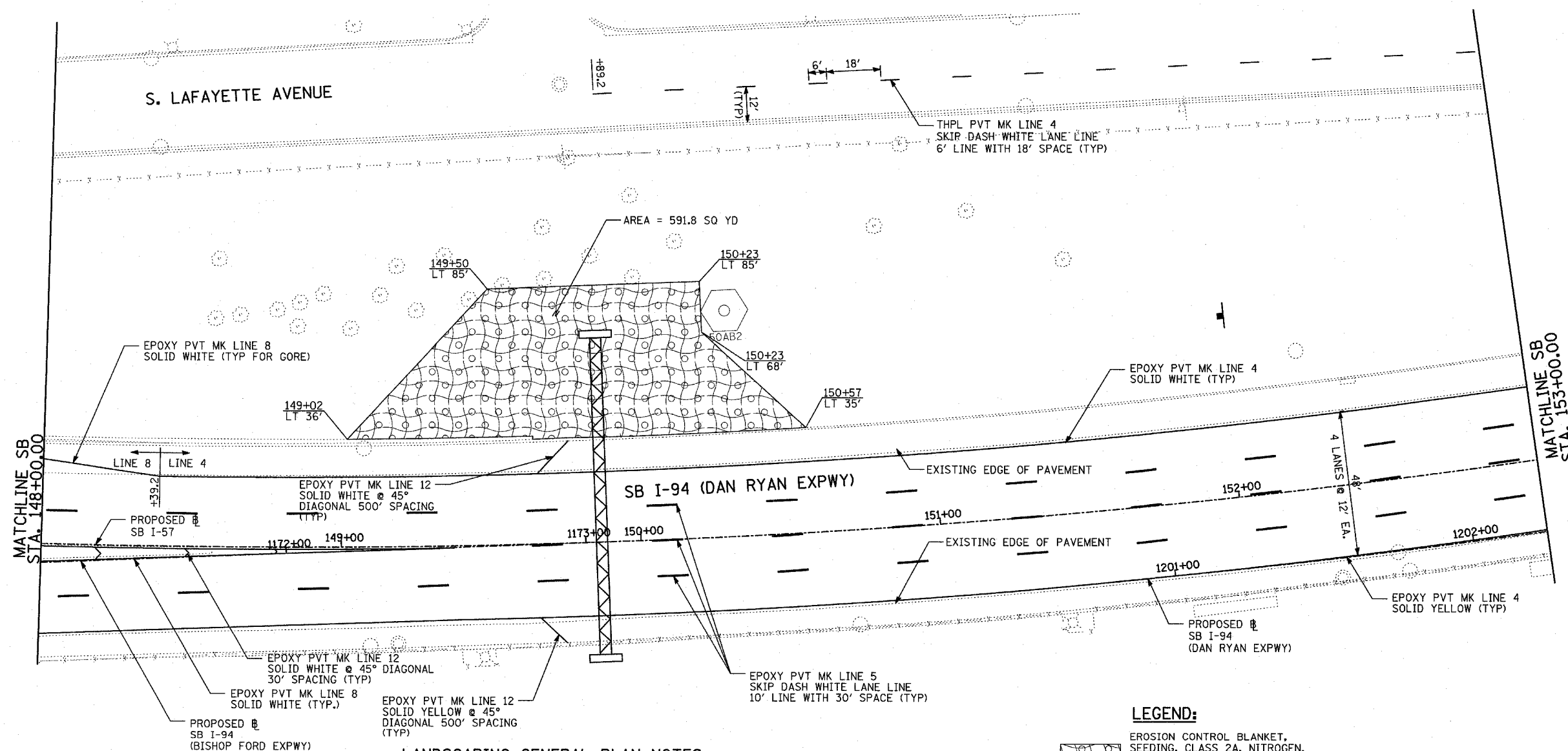
REVISIONS	
NAME	DATE
REVISOR	05/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
PAVEMENT MARKING AND LANDSCAPING
SB WENTWORTH AVENUE EXIT RAMP
SB I-57 STA. 129+00.00 TO 133+64.00
SHEET 4 OF 27

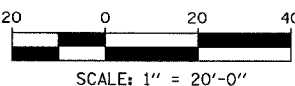
SCALE: 1"=20'
DATE: MARCH 25, 2005
DRAWN BY: JJS, JPA
CHECKED BY: JPM, MAG



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	•	COOK	907	305
STA. 1200+00.00 TO STA. 1365+00		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
• (1516.1, 1717 & 1818) R-9			62695	



LOCATION MAP






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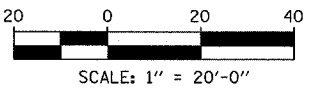
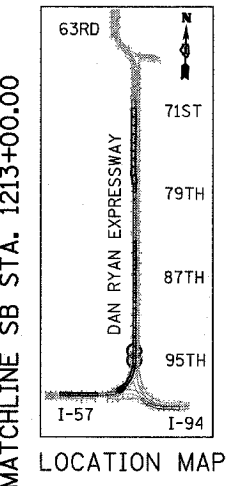
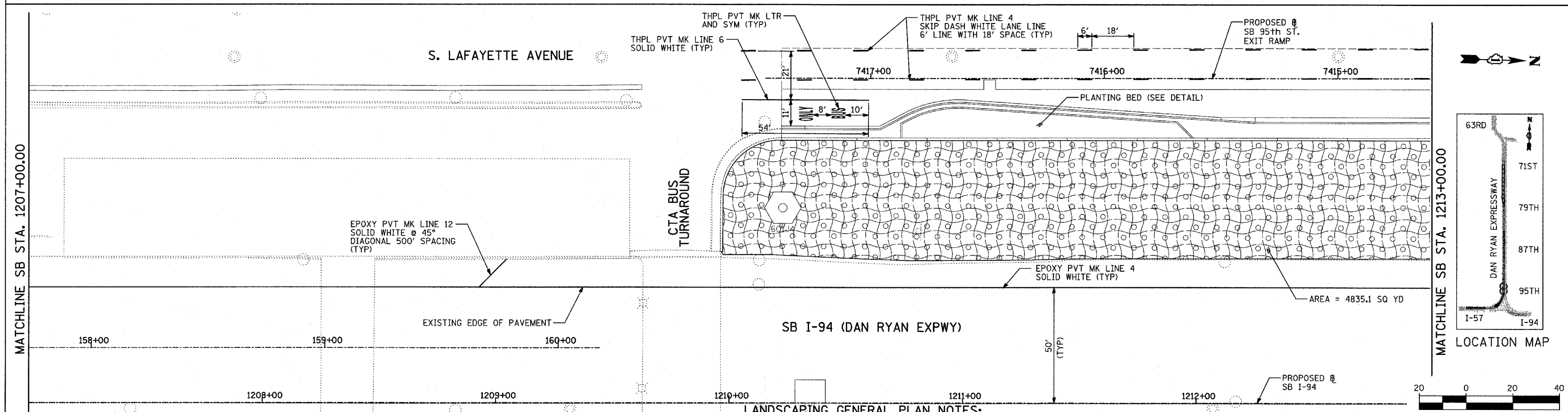
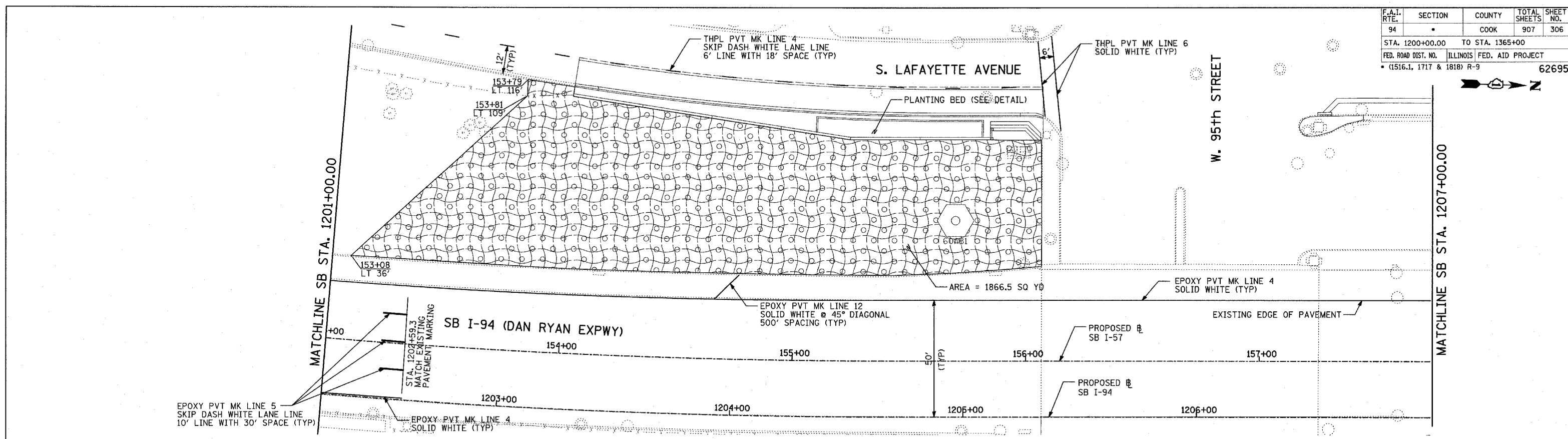
REVISIONS	
NAME	DATE
REVISION	05/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 PAVEMENT MARKING AND LANDSCAPING
 SB WENTWORTH AVENUE EXIT RAMP
 SB I-57 STA. 148+00.00 TO 153+00.00
 SHEET 7 OF 27

SCALE: 1"=20'
 DATE: MARCH 25, 2005
 DRAWN BY: JPA
 CHECKED BY: JPM, MAG

05/06/2005 03:00:47 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	907	306
STA. 1200+00.00		TO STA. 1365+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
(151.1, 1717 & 1818) R-9				62695



LEGEND:

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TYLIN INTERNATIONAL

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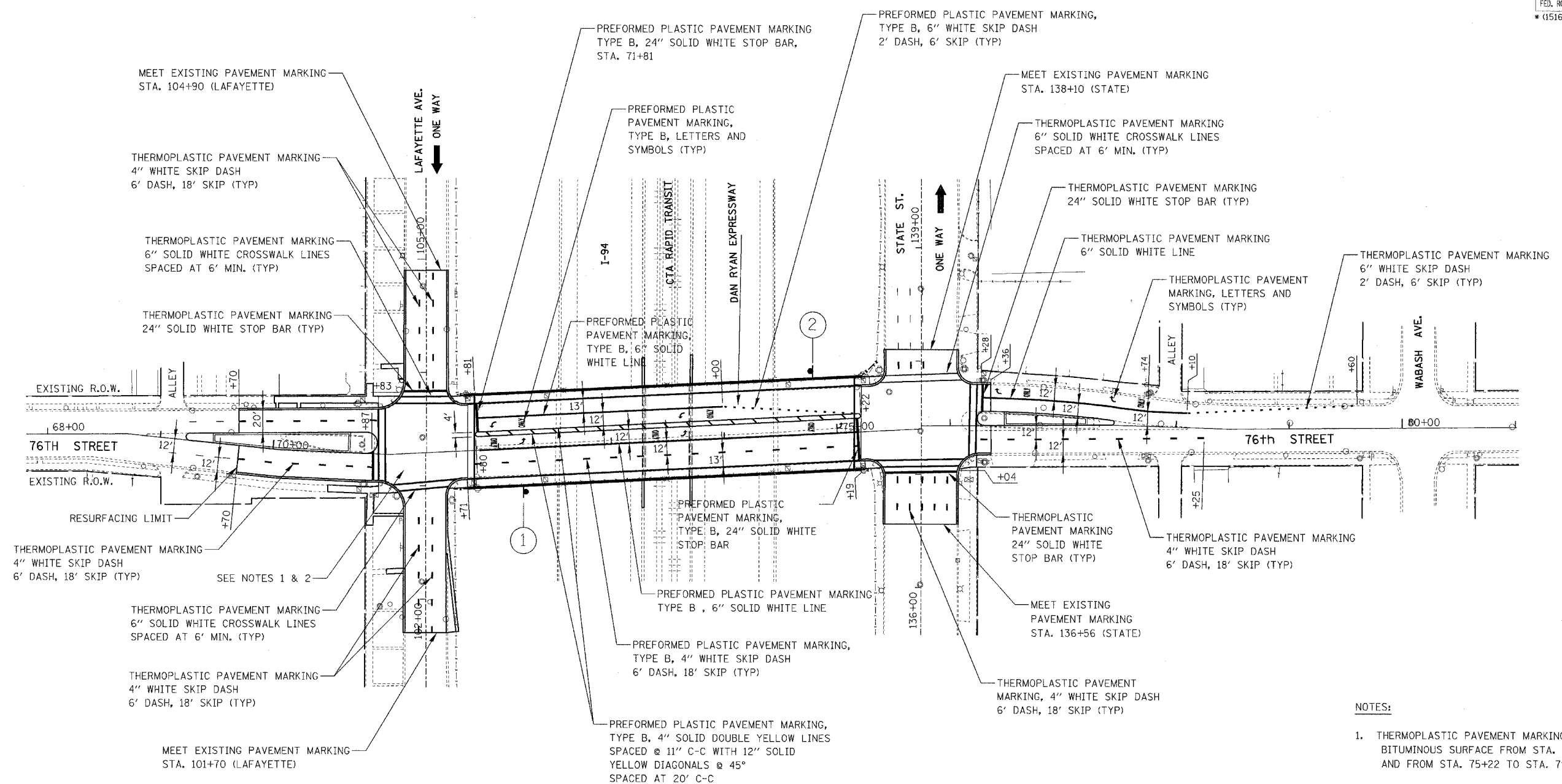
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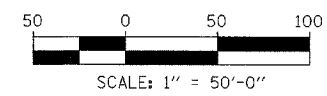
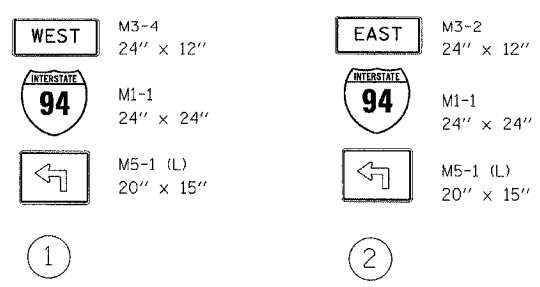
REVISIONS	
NAME	DATE
REVISOR	05/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
PAVEMENT MARKING AND LANDSCAPING
SB 95th STREET EXIT RAMP
SB I-94 STA. 1201+00.00 TO 1213+00.00
SHEET 8 OF 27
SCALE: 1"=20'
DATE: MARCH 25, 2005
DRAWN BY: LWM, JPA
CHECKED BY: JPM, MAG

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	331
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*(1516.1, 1717 & 1818) R-9				



- NOTES:**
1. THERMOPLASTIC PAVEMENT MARKING IS TO BE USED ON BITUMINOUS SURFACE FROM STA. 69+70 TO STA. 71+71 AND FROM STA. 75+22 TO STA. 79+60.
 2. PREFORMED PLASTIC PAVEMENT MARKING IS TO BE USED ON BRIDGE DECK, APPROACH PAVEMENT, AND CONNECTOR PAVEMENT FROM STA. 71+71 TO STA. 75+22.
 3. ALL PAVEMENT MARKINGS SHALL BE APPLIED IN ACCORDANCE WITH THE CITY OF CHICAGO PAVEMENT MARKING STANDARDS.
 4. PROPOSED SIGNS SHALL BE MOUNTED ON PROPOSED LIGHT POLE IN ACCORDANCE WITH IDOT STANDARDS 720001 AND 720006.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
76TH STREET
PAVEMENT MARKING
AND SIGNING PLAN

SCALE: DATE: MARCH 25, 2005 DRAWN BY: REW CHECKED BY: JCM

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	336
STA. --- TO STA. ---		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		
* (1516, 1, 1717 & 1818) R-9		62695		

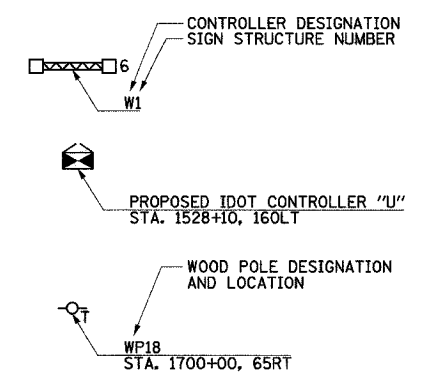
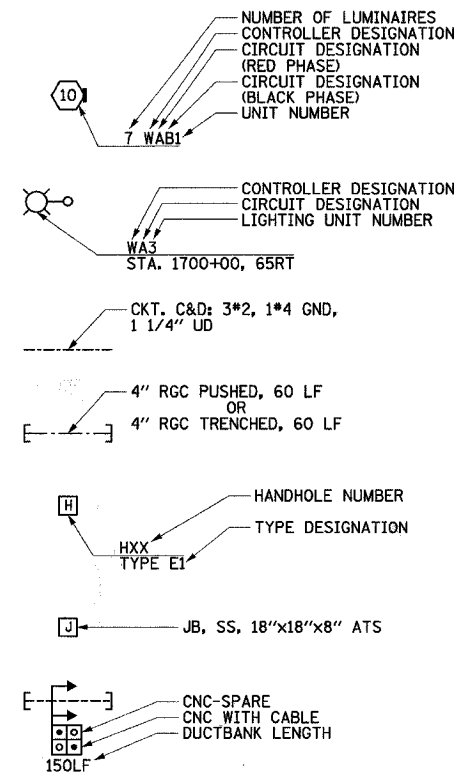
ELECTRICAL SYMBOLS FOR PROPOSED WORK

GENERAL ELECTRICAL CALLOUTS

- LIGHT TOWER FOUNDATION
NUMBER INSIDE HEXAGON INDICATES TOWER TYPE
HANDHOLE LOCATION AS INDICATED
TOWER INSTALLED BY OTHERS,
UNDER A SEPARATE CONTRACT
TYPE - TOWER HEIGHT
10 - 100 FEET
11 - 110 FEET
12 - 120 FEET
- LIGHT POLE FOUNDATION, SINGLE MAST ARM
(POLE AND LUMINAIRE NIC)
- LIGHT POLE FOUNDATION, TWIN MAST ARM
(POLE AND LUMINAIRE NIC)
- TEMPORARY LIGHTING UNIT INCLUDING 60 FOOT
WOOD POLE (CLASS 4), 8'-0" MAST ARM WITH
400 WATT HPS LUMINAIRE
- ELECTRIC HANDHOLE: TYPE AS INDICATED
TYPE E1: PC CONCRETE, 21.5"x21.5"x30"
IDOT STANDARD 814001
TYPE E2: PC CONCRETE-HEAVY DUTY, 22"x22"x30",
IDOT STANDARD 814001
TYPE C1: COMMUNICATIONS VAULT
TYPE S1: PC CONCRETE-HEAVY DUTY, 22"x22"x36"
TYPE S1 (SPECIAL): PC CONCRETE-HEAVY DUTY, 22"x22"x36"
TYPE S2: PC CONCRETE-HEAVY DUTY SPECIAL,
30"x30"x36"
- JUNCTION BOX: TYPE AND SIZE AS INDICATED
ON PLANS
- FIBER OPTIC COMMUNICATIONS HUT
- LIGHTED SIGN STRUCTURE-CANTILEVER TYPE
(NUMBER OF FLUORESCENT FIXTURES AS
INDICATED WITH ASSOCIATED DISCONNECT
SWITCH - TYP.) (N.I.C.)

- LIGHTED SIGN STRUCTURE-TRUSS TYPE (N.I.C.)
- TEMPORARY LIGHTED SIGN STRUCTURE-TRUSS
TYPE, QUANTITY OF LUMINAIRES AS SHOWN
ON SIGNING PLANS
- LIGHTED SIGN STRUCTURE-BRIDGE MOUNT TYPE (N.I.C.)
- DYNAMIC MESSAGE SIGN (N.I.C.)
- FLASHING BEACON SIGN (N.I.C.)
- CLOSED CIRCUIT TELEVISION CAMERA (N.I.C.)
- MICROWAVE DETECTOR (N.I.C.)
- DETECTOR LOOP
- CONTROLLER CABINET FOUNDATION
- CONTROLLER CABINET FOUNDATION: SURVEILLANCE
- CONTROLLER CABINET FOUNDATION: SURVEILLANCE,
TYPE 334
- RAMP METER SIGNAL POLE/HEAD FOUNDATION
- RAMP METER FLASHER FOUNDATION
- TEMPORARY WOOD POLE, 50 FOOT LENGTH
(10 FOOT BURIED, 40 FOOT INSTALLED HEIGHT)
- HIGHWAY ADVISORY RADIO ANTENNA (N.I.C.)
- ELECTRIC UTILITY POLE
- CCTV CAMERA POLE (N.I.C.)

- POLE MOUNTED ELECTRIC UTILITY TRANSFORMER(S)
- PAD MOUNTED ELECTRIC UTILITY TRANSFORMER
- GROUND ROD
- MAIN SERVICE FUSED DISCONNECT SWITCH
(RATING AS INDICATED)
- EXISTING RACEWAY OR CONDUIT RUN
AS INDICATED ON PLANS
- RACEWAY EMBEDDED IN STRUCTURE
- RACEWAY OR DIRECT BURIAL CABLE
UNDERGROUND WITHOUT ENCASEMENT
- RIGID GALVANIZED STEEL CONDUIT
SLEEVE, TRENCHED OR PUSHED
- UNDERGROUND REINFORCED CONCRETE ENCASED
CNC DUCTBANK, UNO. (NUMBER AND SIZE OF
DUCTS AS SHOWN)
- RACEWAY OR CONDUIT IN TRENCH, TYPE AS
INDICATED ON PLANS
- AERIAL CABLE, TYPE AS INDICATED ON PLANS
- CONDUIT TURNED DOWN
- CONDUIT TURNED UP



ELECTRICAL SYMBOLS FOR EXISTING CONDITIONS

- EXISTING LIGHTING UNIT, TWIN LUMINAIRE
- EXISTING LIGHTING UNIT
- EXISTING TEMPORARY LIGHTING UNIT
- EXISTING CDOT LIGHTING UNIT
- EXISTING UNDERPASS LUMINAIRE
- EXISTING ELECTRIC HANDHOLE
- EXISTING JUNCTION BOX
- EXISTING PULL BOX
- EXISTING TELEPHONE CONNECTION
- EXISTING FIBER OPTIC COMMUNICATIONS HUT
- EXISTING ELECTRIC HANDHOLE/MANHOLE

- EXISTING CDOT ELECTRIC HANDHOLE/MANHOLE
- EXISTING LIGHTED SIGN STRUCTURE-CANTILEVER TYPE
- EXISTING LIGHTED SIGN STRUCTURE-TRUSS TYPE
- EXISTING LIGHTED SIGN STRUCTURE-BRIDGE MOUNT TYPE
- EXISTING DYNAMIC MESSAGE SIGN
- EXISTING FLASHING BEACON SIGN
- EXISTING CLOSED CIRCUIT TELEVISION CAMERA
- EXISTING MICROWAVE DETECTOR
- EXISTING DETECTOR LOOP
- EXISTING LIGHTING CONTROLLER, DUPLEX
- EXISTING CONTROLLER CABINET
- EXISTING RAMP METER SIGNAL POLE/HEAD

- EXISTING RAMP METER FLASHER
- EXISTING HIGHWAY ADVISORY RADIO ANTENNA
- EXISTING CCTV CAMERA POLE
- EXISTING UTILITY SERVICE CONNECTION,
POLE MOUNTED
- EXISTING UTILITY SERVICE CONNECTION,
PAD MOUNTED
- EXISTING CONCEALED CONDUIT IN STRUCTURE
- EXISTING EXPOSED CONDUIT
- EXISTING RACEWAY OR DIRECT BURIED CABLE
WITHOUT ENCASEMENT
- EXISTING CONCEALED CONDUIT UNDERGROUND,
TRENCHED OR PUSHED
- EXISTING ELECTRIC CABLE IN CONDUIT

CTE ENGINEERS
CONSOER TOWNSEND ENVIRONMENTAL ENGINEERS, INC.
303 EAST WACKER DRIVE, SUITE 600
CHICAGO, ILLINOIS 60601-5212, PHONE: (312) 938-0300

REVISIONS	
NAME	DATE

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

ELECTRICAL SYMBOLS

SCALE: NOT TO SCALE
DATE: FEB. 25, 2005

DRAWN BY: CJM
CHECKED BY: BMW

17B/EI-100

J:\75\contract\17b\details\el\9002\337

3/24/2005 11:54:49 AM

ABBREVIATIONS

A	AMPERES	E	EXISTING UNIT TO REMAIN	LF	LINEAR FEET	SB	SOUTHBOUND
AC	ALTERNATING CURRENT	EA	EACH	LP	LIGHT POLE	SHT	SHEET
A/C	AERIAL CABLE	EB	EASTBOUND	L SUM	LUMP SUM	SM	SINGLE MODE
AFG	ABOVE FINISHED GRADE	ECA	ELECTRIC CABLE ASSEMBLY	LT	LEFT	SS	STAINLESS STEEL
ANT	ANTENNA	EL	ELEVATION	M	METER	ST	STREET
AOBE	AS ORDERED BY THE ENGINEER	EM	EXISTING UNIT TO BE MODIFIED (e.g. NEW LUMINAIRE, BALLAST, OR MAST ARM)	MA	MAST ARM	STA	STATION
ASPH	ASPHALT	ER	EXISTING RELOCATED UNIT	MD	MICROWAVE DETECTOR	STD	STANDARD
ATS	ATTACHED TO STRUCTURE	ET	EXISTING TEMPORARY UNIT TO REMAIN OR MODIFIED	MM	MULTI-MODE	STL	STEEL
AVE	AVENUE	ETP	EMERGENCY TRAFFIC PATROL	MW	MESSENGER WIRE	STRUCT	STRUCTURE
BHD	BULKHEAD	ETR	EXISTING TEMPORARY RELOCATED UNIT	NB	NORTHBOUND	SURF	SURFACE
BIT	BITUMINOUS	EXCAV	EXCAVATION	NIC	NOT IN CONTRACT	SURV	SURVEILLANCE
BLK	BLOCK	F, FT	FOOT, FEET	NM	NONMETALLIC	SW	SIDEWALK
BR	BRIDGE	FDN	FOUNDATION	NO	NUMBER	T	TEMPORARY
C	CONDUIT, CONDUCTOR	FO	FIBER OPTIC	NTS	NOT TO SCALE	TAN	TANGENT
CAB	CABINET	GM	GROUND MOUNTED	OH	OVERHEAD	TC	TRAY CABLE
CBW	CONCRETE BLOCK WALL	GND, GRD	GROUND	PEC	POLYETHYLENE CONDUIT	TEL	TELEPHONE
CC	COMMUNICATIONS CENTER	GR	GUARD RAIL	PH	PHASE	TS	TRAFFIC SIGNAL
CCTV	CLOSED CIRCUIT TELEVISION	GSC	GALVANIZED STEEL CONDUIT	PIN	PROJECT IDENTIFICATION NUMBER	TSC	TRAFFIC SYSTEMS CENTER
CDOT	CDOT-CHICAGO DEPARTMENT OF TRANSPORTATION	HAR	HIGHWAY ADVISORY RADIO	PL	PROPERTY LINE	TYP	TYPICAL
COMED	COMMONWEALTH EDISON	HD	HEAVY DUTY	PNL	PANEL	UD	UNIT DUCT
CKT	CIRCUIT	HH	HANDHOLE	PROP	PROPOSED	UND	UNDERDRAIN
CLF	CHAIN LINK FENCE	HPS	HIGH PRESSURE SODIUM	PTZ	PAN-TILT-ZOOM	UNO	UNLESS NOTED OTHERWISE
CNC	COILABLE NONMETALLIC CONDUIT	HYD	HYDRANT	PVC	POLYVINYL CHLORIDE	V	VOLT
COMM	COMMUNICATIONS	ID	INNERDUCT	PVCC	POLYVINYL CHLORIDE COATED	W	WATT
CONC	CONCRETE	IDOT	ILLINOIS DEPARTMENT OF TRANSPORTATION	R	EXISTING UNIT TO BE REMOVED (SALVAGED UNO)	WB	WESTBOUND
CONST	CONSTRUCTION	I	INTERSTATE	RC	REINFORCED CONCRETE	WM	WALL MOUNTED
CORR	CORRUGATED	IN	INCHES	RD	ROAD	WP	WOOD POLE
CW	CONCRETE WALL	J, JB	JUNCTION BOX	RGC	RIGID GALVANIZED STEEL CONDUIT	XFMR	TRANSFORMER
CL	CENTERLINE	KVA	KILOVOLT-AMPERE	RM	RAMP METER		
DB	DIRECT BURIED	KW	KILOWATT	ROW	RIGHT OF WAY		
DC	DIRECT CURRENT			RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED		
DF	DARK FIBER			RT	RIGHT		
DIA	DIAMETER			RW	RETAINING WALL		
DMS	DYNAMIC MESSAGE SIGN						
DWG	DRAWING(S)						

17B/EI-101

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

REVISIONS	
NAME	DATE

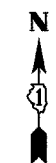
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)

ELECTRICAL ABBREVIATIONS

SCALE: NOT TO SCALE DRAWN BY: CJM
DATE: FEB. 25, 2005 CHECKED BY: BMW

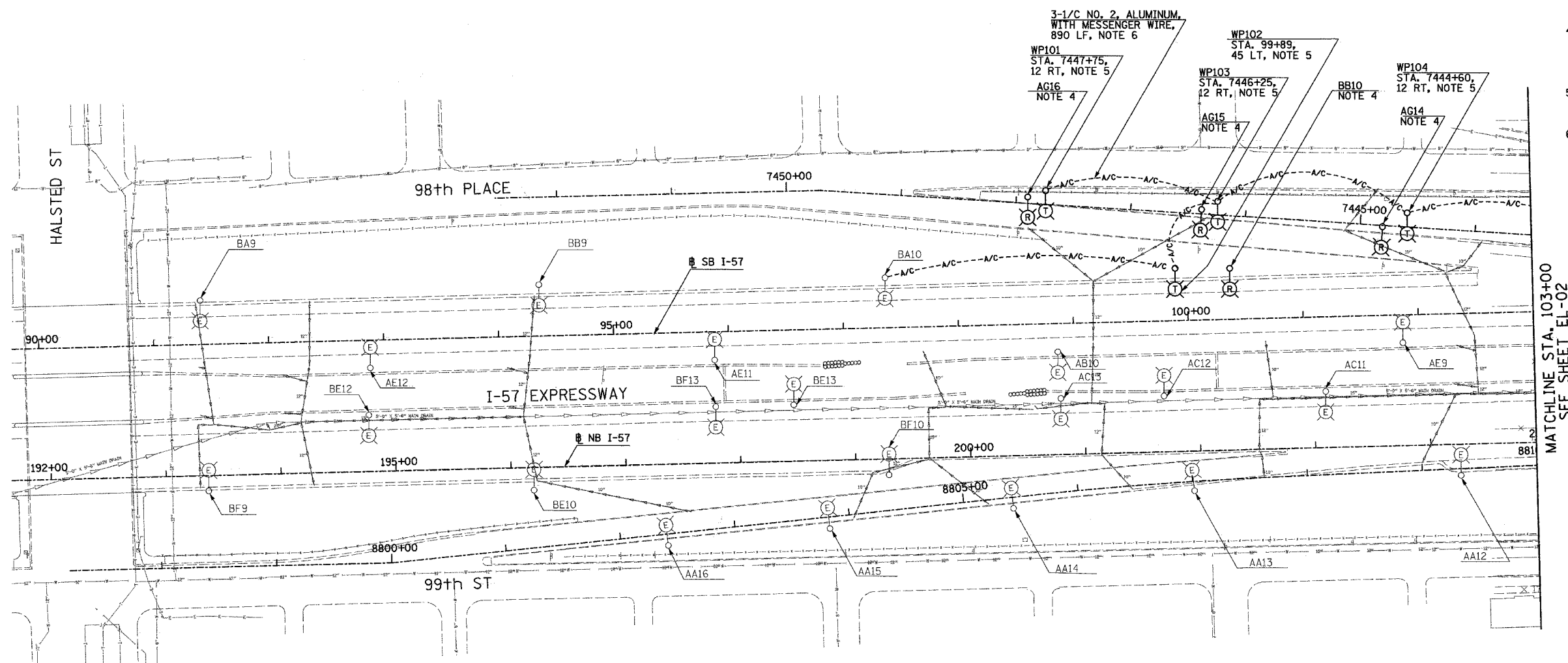
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	338
STA. 91+00.00 TO STA. 103+00.00		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO. (1516.1, 1717 & 1818) R-9		62695		



NOTES:

- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
- UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
- ROADWAY LIGHT POLES SHALL BE REMOVED UNDER CONTRACT 62583. FOUNDATION REMOVAL SHALL BE INCLUDED AS PART OF CONTRACT 62695 FOR FOUR LIGHTING FOUNDATIONS ON THIS SHEET.
- PROVIDE TEMPORARY LIGHTING UNIT INCLUDING 60 FOOT WOOD POLE, 15' MAST ARM, 310 WATT HPS LUMINAIRE.
- REFER SHEET ME-16 FOR TEMPORARY AERIAL CABLE CONNECTION.



17B/EL-01

REVISIONS	
NAME	DATE
REVISED	4/15/05
REVISED	5/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 ROADWAY LIGHTING AND SURVEILLANCE PLANS
 EXISTING CONDITIONS AND DEMOLITION

SCALE: 1"=50' DRAWN BY: VG
 DATE: MARCH 25, 2005 CHECKED BY: TM

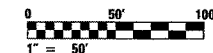
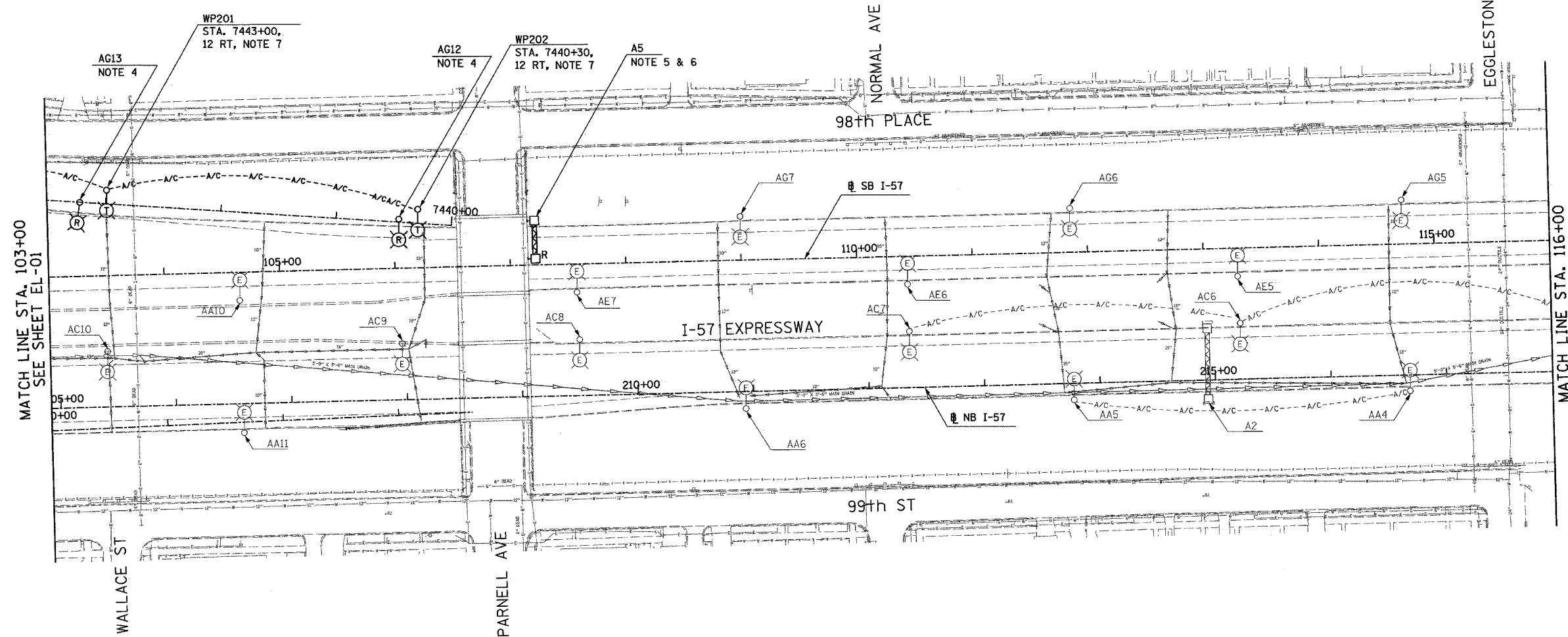
SINGH 300 W. ADAMS ST.
 CHICAGO, IL 60606
 TEL: (312) 629-0240
 SINGH & ASSOCIATES, INC. CONSULTING ENGINEERS FAX: (312) 629-8449

5/16/2005 8:16:40 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	339
STA. 103+00		TO STA. 116+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (1516,1,1717 & 1818) R-9		62695		

NOTES:

- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
- UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
- ROADWAY LIGHT POLES SHALL BE REMOVED UNDER CONTRACT 62583. FOUNDATION REMOVAL SHALL BE INCLUDED AS PART OF CONTRACT 62695 FOR TWO LIGHTING FOUNDATIONS ON THIS SHEET.
- SIGN TO BE DISCONNECTED UNDER CONTRACT 62583. SIGN LUMINAIRE REMOVAL IS PROPOSED WORK FOR CONTRACT 62695.
- SIGN A5 SHALL NOT BE DISCONNECTED UNTIL HALSTED STREET RAMP IS CLOSED.
- PROVIDE TEMPORARY LIGHTING UNIT INCLUDING 60 FOOT WOOD POLE, 15' MAST ARM, 310 WATT HPS LUMINAIRE.



17B/EL-02

REVISIONS	
NAME	DATE
REVISED	4/15/05
REVISED	5/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 ROADWAY LIGHTING AND SURVEILLANCE PLANS
 EXISTING CONDITIONS AND DEMOLITION

SCALE: 1"=50' DRAWN BY: VG
 DATE: MARCH 25, 2005 CHECKED BY: TM

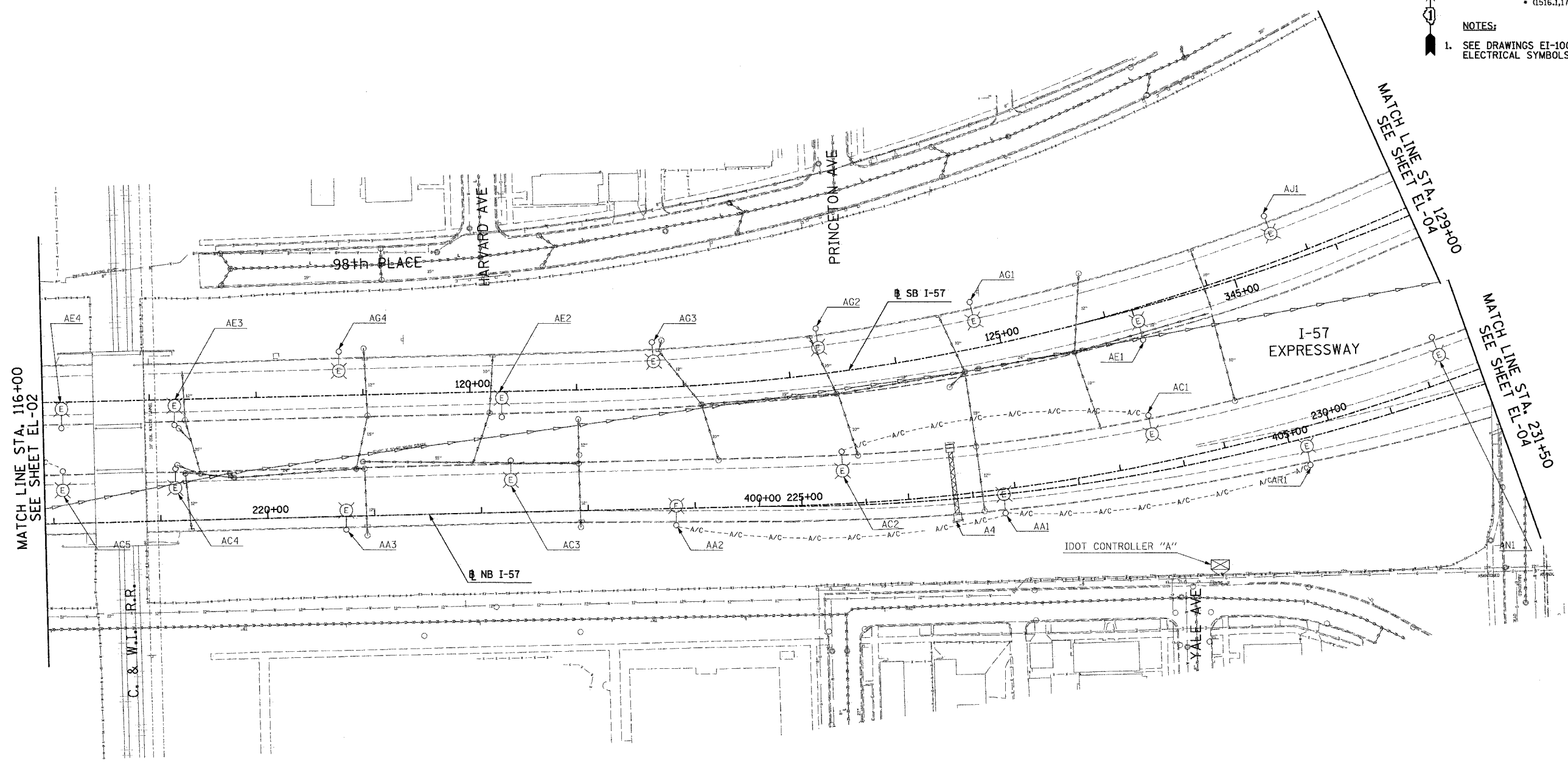
SINGH 300 W. ADAMS ST.
 CHICAGO, IL 60606
 SINGH & ASSOCIATES, INC. TEL: (312) 629-0240
 CONSULTING ENGINEERS FAX: (312) 629-8449

8/28/05 AM 5/6/2005

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	907	340
STA. 116+00.00 TO STA. 129+00.00				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• (1516,1,1717 & 1818) R-9				62695



NOTES:
 1. SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.



MATCH LINE STA: 116+00
SEE SHEET EL-02

MATCH LINE STA: 129+00
SEE SHEET EL-04

MATCH LINE STA: 235+00
SEE SHEET EL-05



17B/EL-03

NO ELECTRICAL WORK ON THIS SHEET
FOR REFERENCE ONLY

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

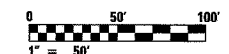
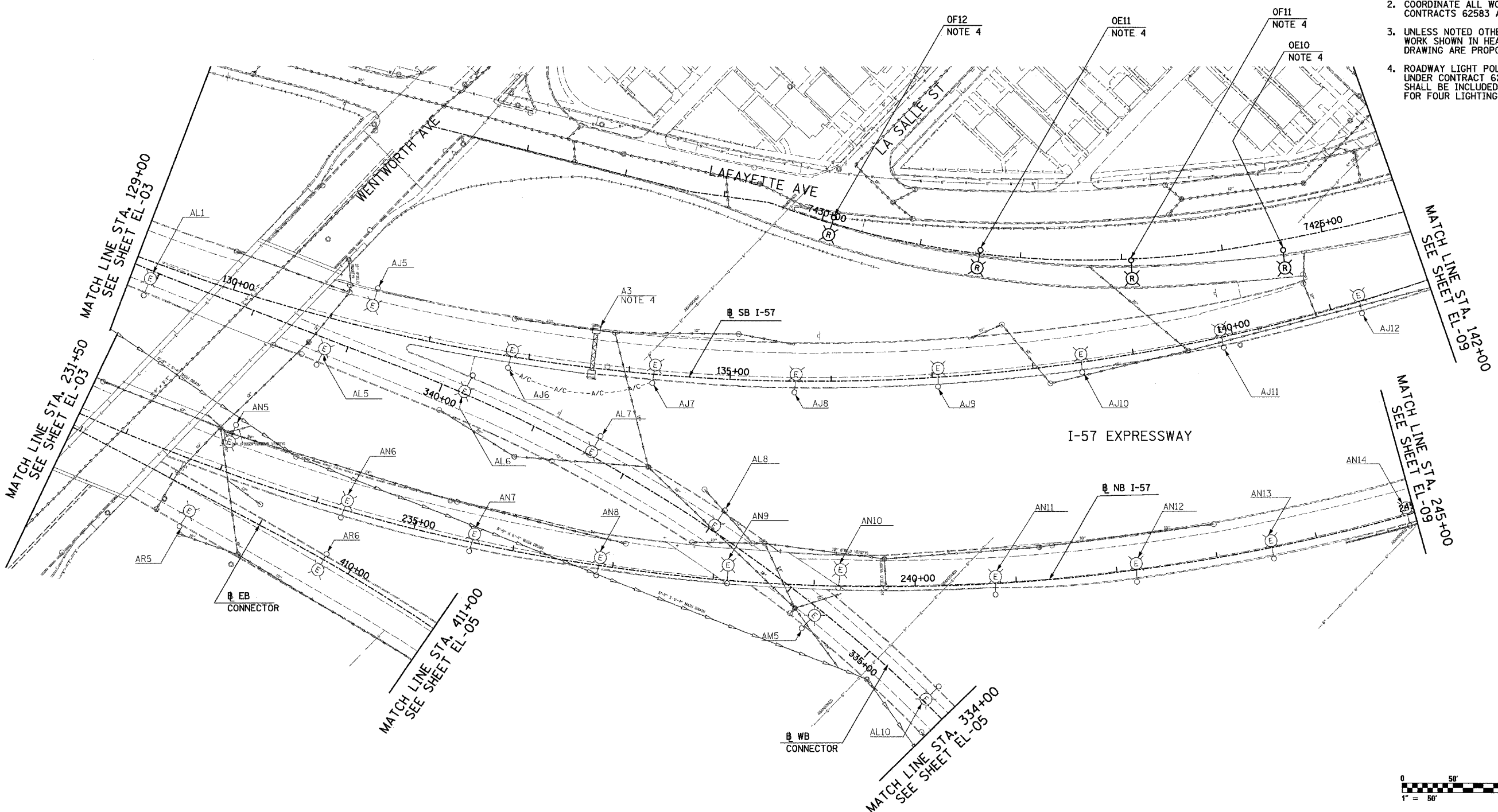
REVISIONS	
NAME	DATE
REVISOR	5/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 ROADWAY LIGHTING AND SURVEILLANCE PLANS
 EXISTING CONDITIONS AND DEMOLITION
 SCALE: 1"=50' DRAWN BY: VG
 DATE: MARCH 25, 2005 CHECKED BY: TM

J:\175\dm\170217\330_603-37.dwg 5/6/2005 8:08:55 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	341
STA. 129+00.00 TO STA. 142+00.00		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO. (1516,1,1717 & 1818) R-9		62695		

- NOTES:
- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 - COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
 - UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
 - ROADWAY LIGHT POLES SHALL BE REMOVED UNDER CONTRACT 62583. FOUNDATION REMOVAL SHALL BE INCLUDED AS PART OF CONTRACT 62695 FOR FOUR LIGHTING FOUNDATIONS ON THIS SHEET.



17B/EL-04

REVISIONS	
NAME	DATE
REVISED	5/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 ROADWAY LIGHTING AND SURVEILLANCE PLANS
 EXISTING CONDITIONS AND DEMOLITION

SCALE: 1"=50' DRAWN BY: VG
 DATE: MARCH 25, 2005 CHECKED BY: TM

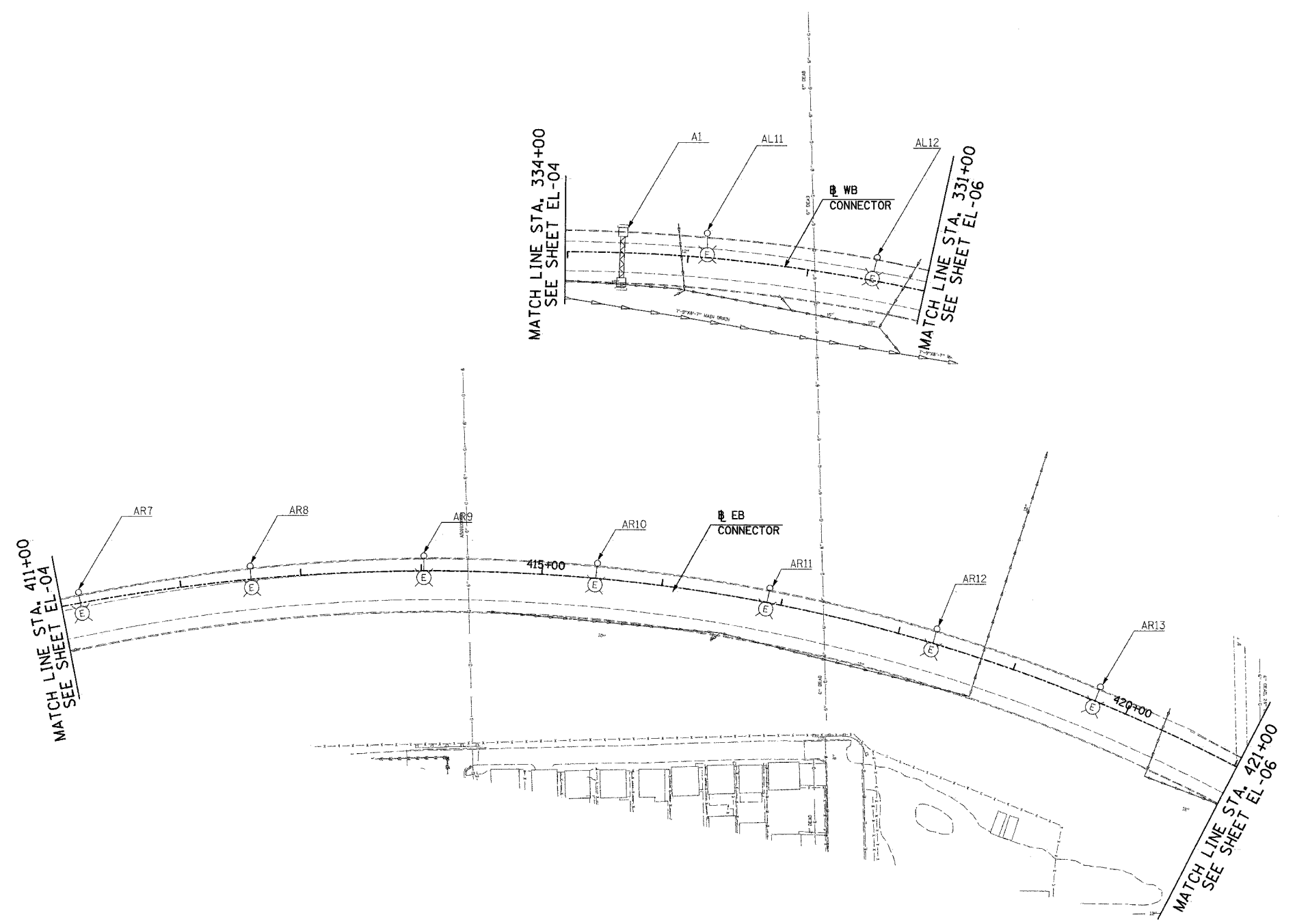
SINGH 300 W. ADAMS ST.
 CHICAGO, IL 60606
 SINGH & ASSOCIATES, INC. TEL: (312) 629-0240
 CONSULTING ENGINEERS FAX: (312) 629-8449

5/16/2005 8:24:30 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	342
STA. 411+00.00		TO STA. 421+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
(1516.1, 1717 & 1818) R-9		62695		



- NOTES:
- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.



NO ELECTRICAL WORK ON THIS SHEET
FOR REFERENCE ONLY



17B/EL-05

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TEL: (312) 629-0240
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REVISIONS	
NAME	DATE
REVISED	5/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
ROADWAY LIGHTING AND SURVEILLANCE PLANS
EXISTING CONDITIONS AND DEMOLITION

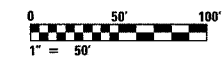
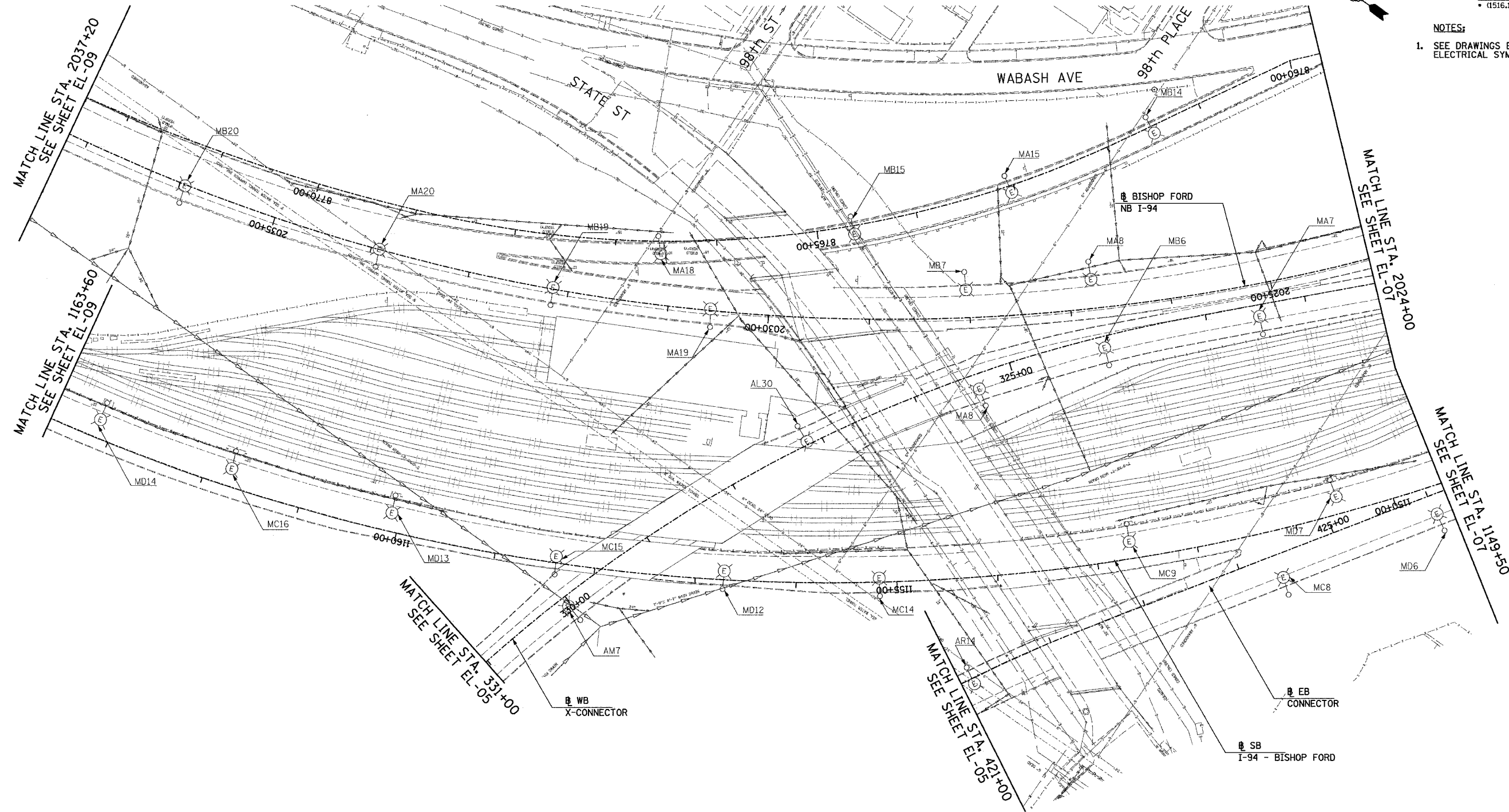
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DATE: MARCH 25, 2005

DRAWN BY: VG
CHECKED BY: TM

5/16/2005 8:24:39 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	343
STA. 2037+20.00		TO STA. 2024+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
(1516,1,1717 & 1818) R-9				62695

- NOTES:
- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.



17B/EL-06

NO ELECTRICAL WORK ON THIS SHEET
FOR REFERENCE ONLY

REVISIONS	
NAME	DATE
REVISED	5/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
ROADWAY LIGHTING AND SURVEILLANCE PLANS
EXISTING CONDITIONS AND DEMOLITION

SCALE: 1"=50' DRAWN BY: VG
DATE: MARCH 25, 2005 CHECKED BY: TM

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

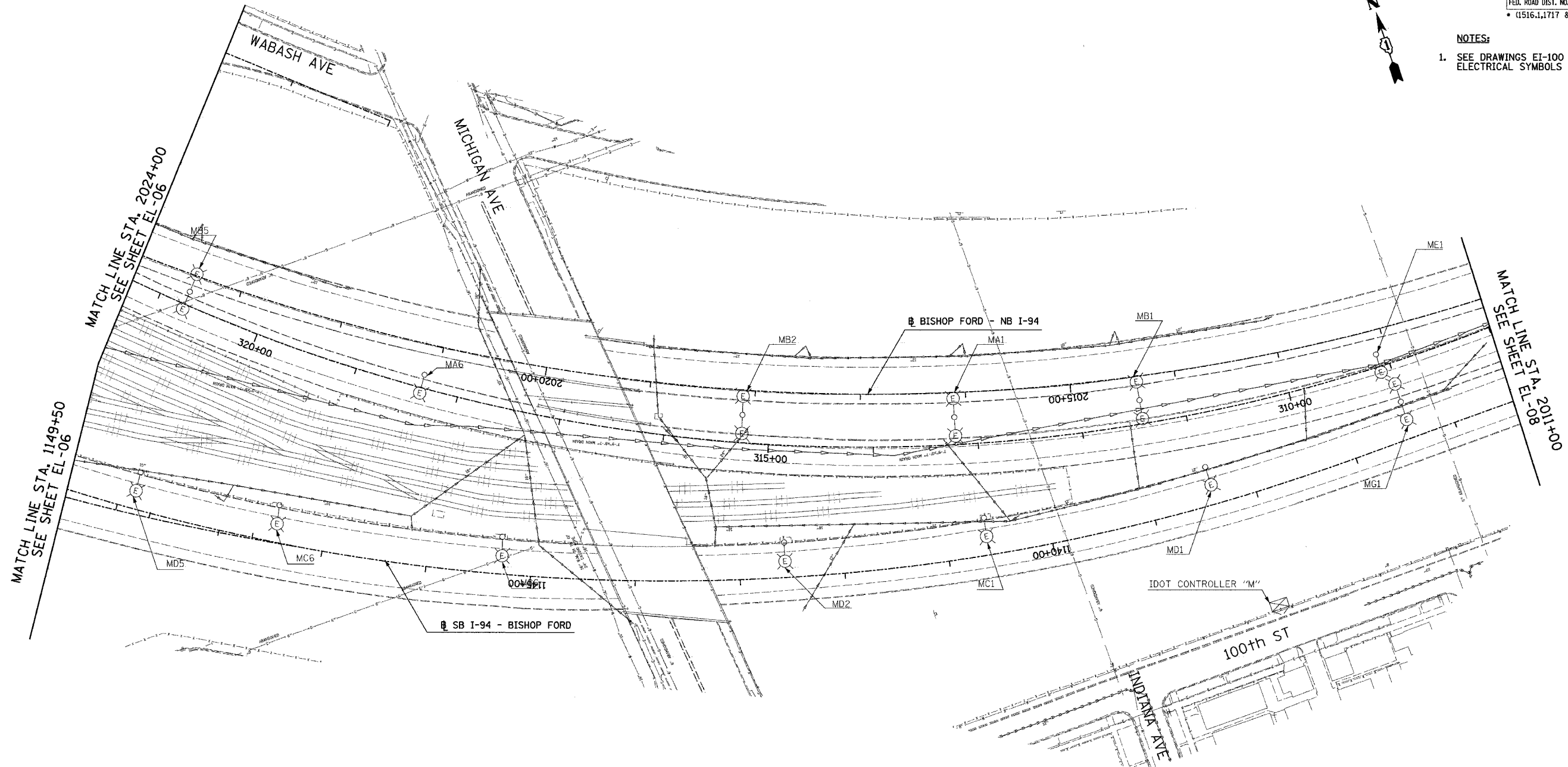
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	344
STA. 2024+00.00		TO STA. 2011+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (1516.1, 1717 & 1818) R-9		62695		

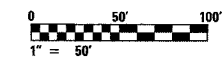


NOTES:

- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.



NO ELECTRICAL WORK ON THIS SHEET
FOR REFERENCE ONLY



17B/EL-07

SINGH
SINGH & ASSOCIATES, INC.
CONSULTING ENGINEERS

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

REVISIONS		
NO.	NAME	DATE
1	REVISED	5/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
ROADWAY LIGHTING AND SURVEILLANCE PLANS
EXISTING CONDITIONS AND DEMOLITION

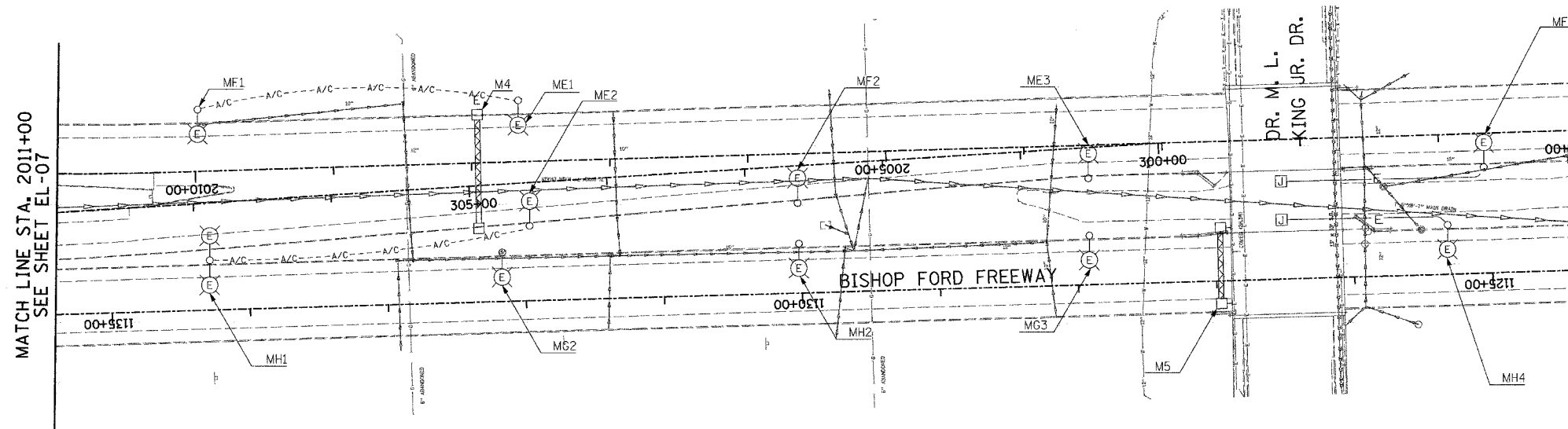
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CHECKED BY: TM

5/16/2005 8:34:45 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	345
STA. 2011+00.00		TO STA. 2000+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• (1516,1,1717 & 1818) R-9		62695		



- NOTES:
- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.



MATCH LINE STA. 2011+00
SEE SHEET EL-07



17B/EL-08

NO ELECTRICAL WORK ON THIS SHEET
FOR REFERENCE ONLY

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

REVISIONS	
NAME	DATE
REVISED	5/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
ROADWAY LIGHTING AND SURVEILLANCE PLANS
EXISTING CONDITIONS AND DEMOLITION

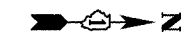
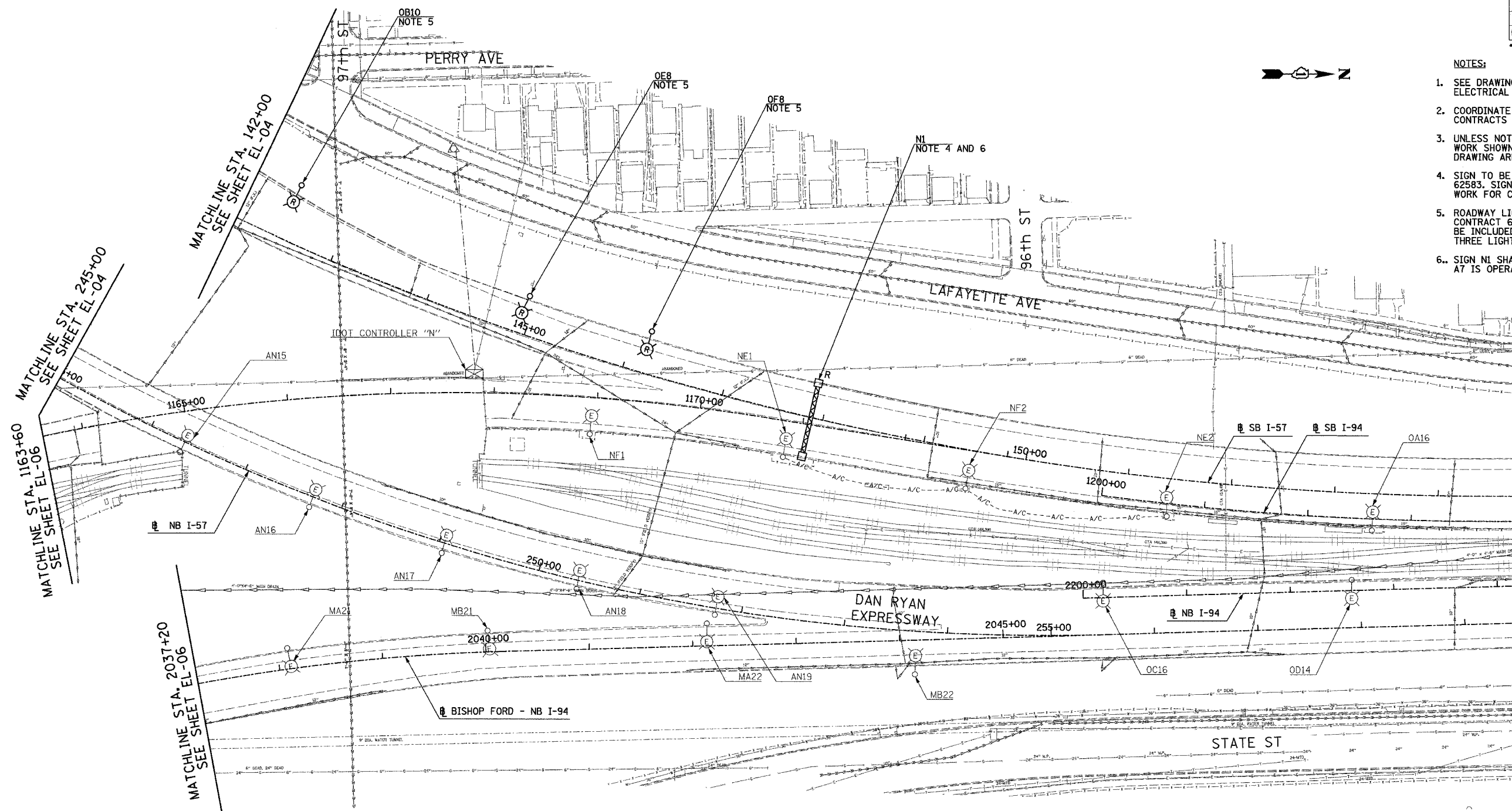
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DATE: MARCH 25, 2005 CHECKED BY: TM

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	907	346
STA. 142+00.00		TO STA. 1204+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
(1516,1,1717 & 1818) R-9		62695		

NOTES:

- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
- UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
- SIGN TO BE DISCONNECTED UNDER CONTRACT 62583. SIGN LUMINAIRE REMOVAL IS PROPOSED WORK FOR CONTRACT 62695.
- ROADWAY LIGHT POLES SHALL BE REMOVED UNDER CONTRACT 62583. FOUNDATION REMOVAL SHALL BE INCLUDED AS PART OF CONTRACT 62695 FOR THREE LIGHTING FOUNDATIONS ON THIS SHEET.
- SIGN N1 SHALL REMAIN LIT UNTIL PROPOSED SIGN A7 IS OPERATIONAL.



17B/EL-09

REVISIONS	
NAME	DATE
REVISED	5/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 ROADWAY LIGHTING AND SURVEILLANCE PLANS
 EXISTING CONDITIONS AND DEMOLITION

SCALE: 1"=50' DRAWN BY: VG
 DATE: MARCH 25, 2005 CHECKED BY: TM

SINGH
 SINGH & ASSOCIATES, INC.
 CONSULTING ENGINEERS

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

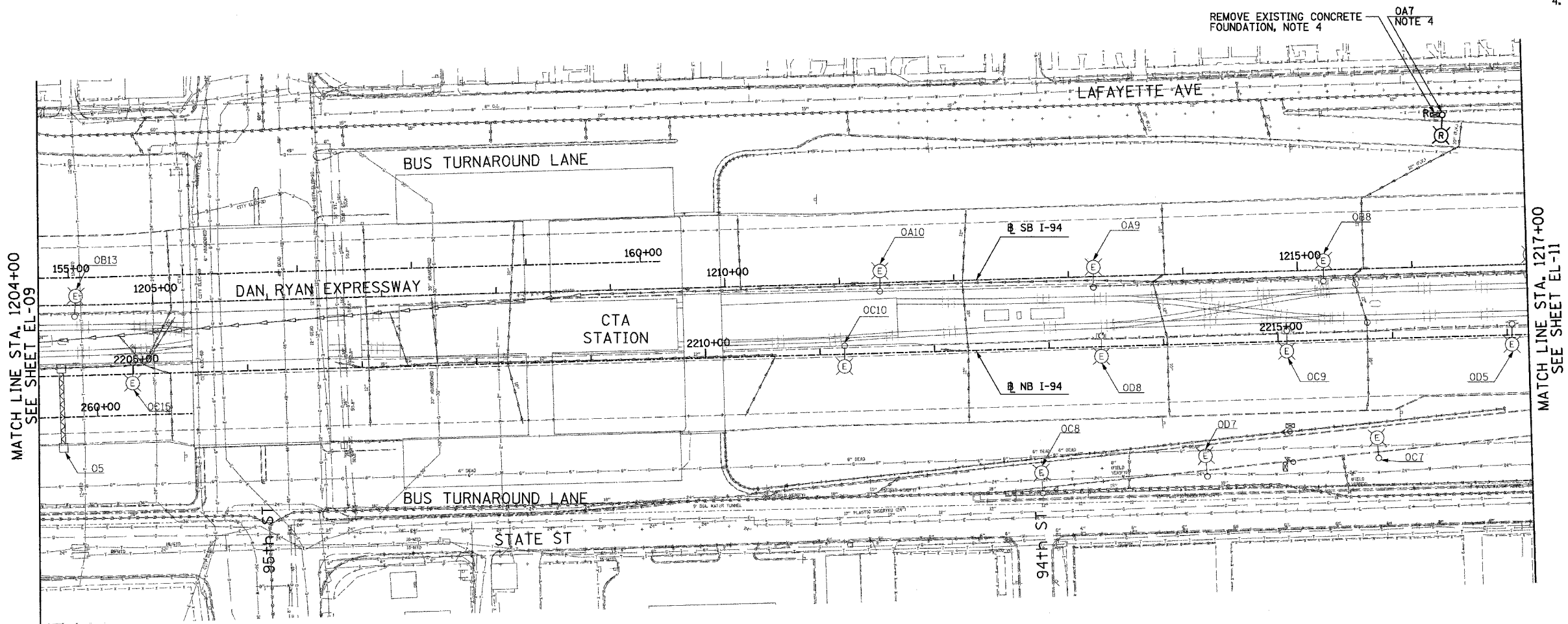
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	907	347
STA. 1204+00.00		TO STA. 1217+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• (1516,1,1717 & 1818) R-9		62695		



NOTES:

- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
- UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
- ROADWAY LIGHT POLES AND SURVEILLANCE EQUIPMENT SHALL BE REMOVED UNDER CONTRACT 62583. FOUNDATION REMOVAL SHALL BE INCLUDED AS PART OF CONTRACT 62695 FOR ONE LIGHTING AND ONE SURVEILLANCE FOUNDATION ON THIS SHEET.



MATCH LINE STA. 1204+00
SEE SHEET EL-09

MATCH LINE STA. 1217+00
SEE SHEET EL-11



17B/EL-10

REVISIONS	
NAME	DATE
REVISED	5/06/05

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

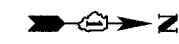
ROADWAY LIGHTING AND SURVEILLANCE PLANS
EXISTING CONDITIONS AND DEMOLITION

SCALE: 1"=50' DRAWN BY: VG
DATE: MARCH 25, 2005 CHECKED BY: TM

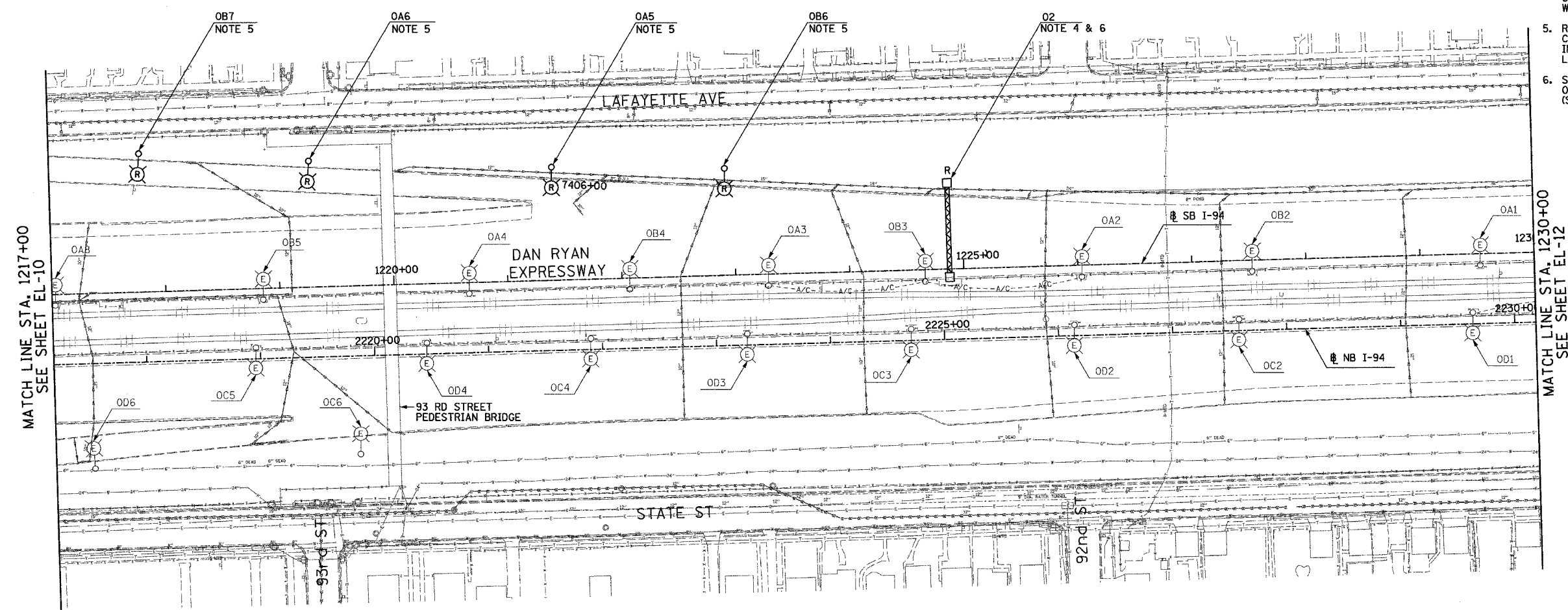
SINGH 300 W. ADAMS ST.
CHICAGO, IL 60606
SINGH & ASSOCIATES, INC. TEL: (312) 629-0240
CONSULTING ENGINEERS FAX: (312) 629-8449

11:25:19 AM
5/7/2005

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	348
STA. 1217+00.00		TO STA. 1230+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (1516,1,1717 & 1818) R-9				62695



- NOTES:**
- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 - COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
 - UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
 - SIGN TO BE DISCONNECTED UNDER CONTRACT 62583. SIGN LUMINAIRE REMOVAL IS PROPOSED WORK FOR CONTRACT 62695.
 - ROADWAY LIGHT POLES SHALL BE REMOVED UNDER CONTRACT 62583. FOUNDATION REMOVAL SHALL BE INCLUDED AS PART OF CONTRACT 62695 FOR FOUR LIGHTING FOUNDATIONS ON THIS SHEET.
 - SIGN O2 SHALL REMAIN LIT UNTIL PROPOSED SIGN O2 (STA. 1224+00) AND PROPOSED SIGN O1 (STA. 1227+50) ARE OPERATIONAL



MATCH LINE STA. 1217+00
SEE SHEET EL-10

MATCH LINE STA. 1230+00
SEE SHEET EL-12



17B/EL-11

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

REVISIONS	
NAME	DATE
REVISOR	5/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
ROADWAY LIGHTING AND SURVEILLANCE PLANS
EXISTING CONDITIONS AND DEMOLITION

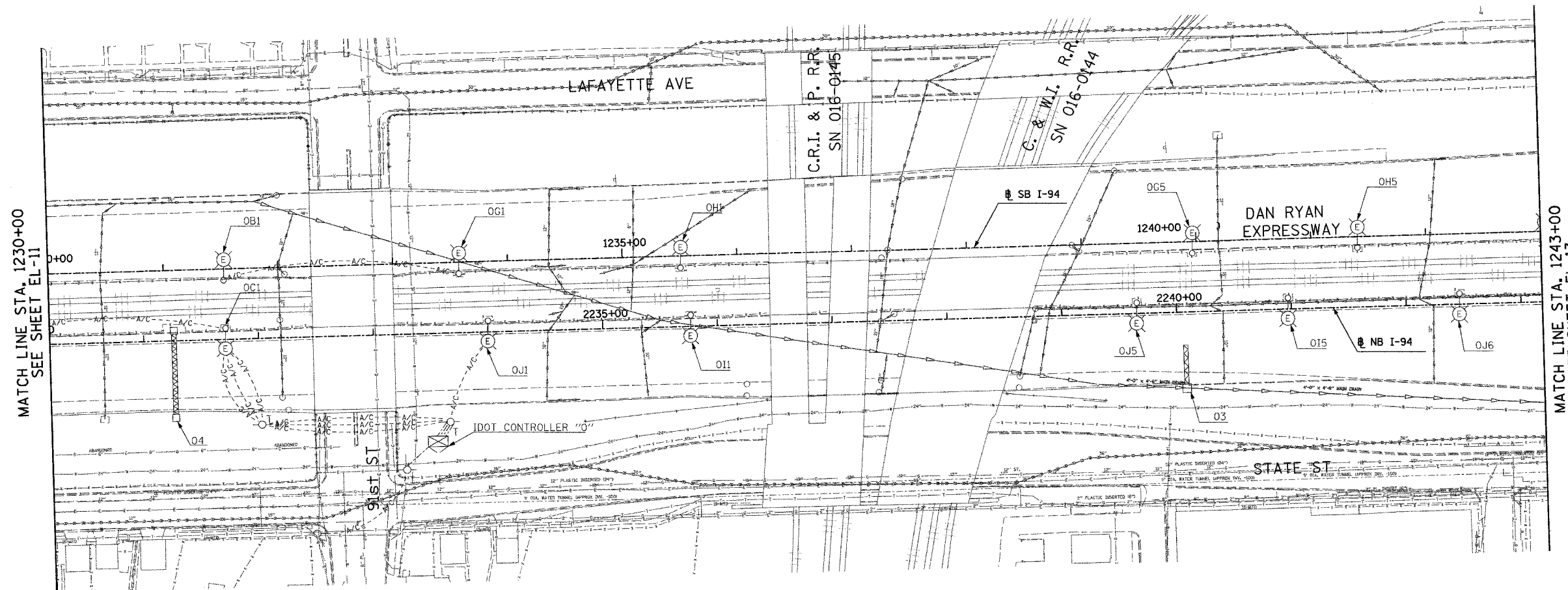
SCALE: 1"=50' DRAWN BY: VG
DATE: MARCH 25, 2005 CHECKED BY: TM

5/6/2005 11:25:23 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	349
STA. 12030+00.00 TO STA. 1243+00.00		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (1516.1,1717 & 1818) R-9		62695		



- NOTES:
- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.



MATCH LINE STA. 1230+00
SEE SHEET EL-11

MATCH LINE STA. 1243+00
SEE SHEET EL-13

NO ELECTRICAL WORK ON THIS SHEET
FOR REFERENCE ONLY



17B/EL-12

REVISIONS	
NAME	DATE
REVISED	5/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
ROADWAY LIGHTING AND SURVEILLANCE PLANS
EXISTING CONDITIONS AND DEMOLITION

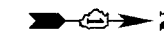
SCALE: 1"=50' DRAWN BY: VG
DATE: MARCH 25, 2005 CHECKED BY: TM

SINGH
SINGH & ASSOCIATES, INC.
CONSULTING ENGINEERS

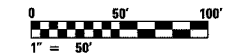
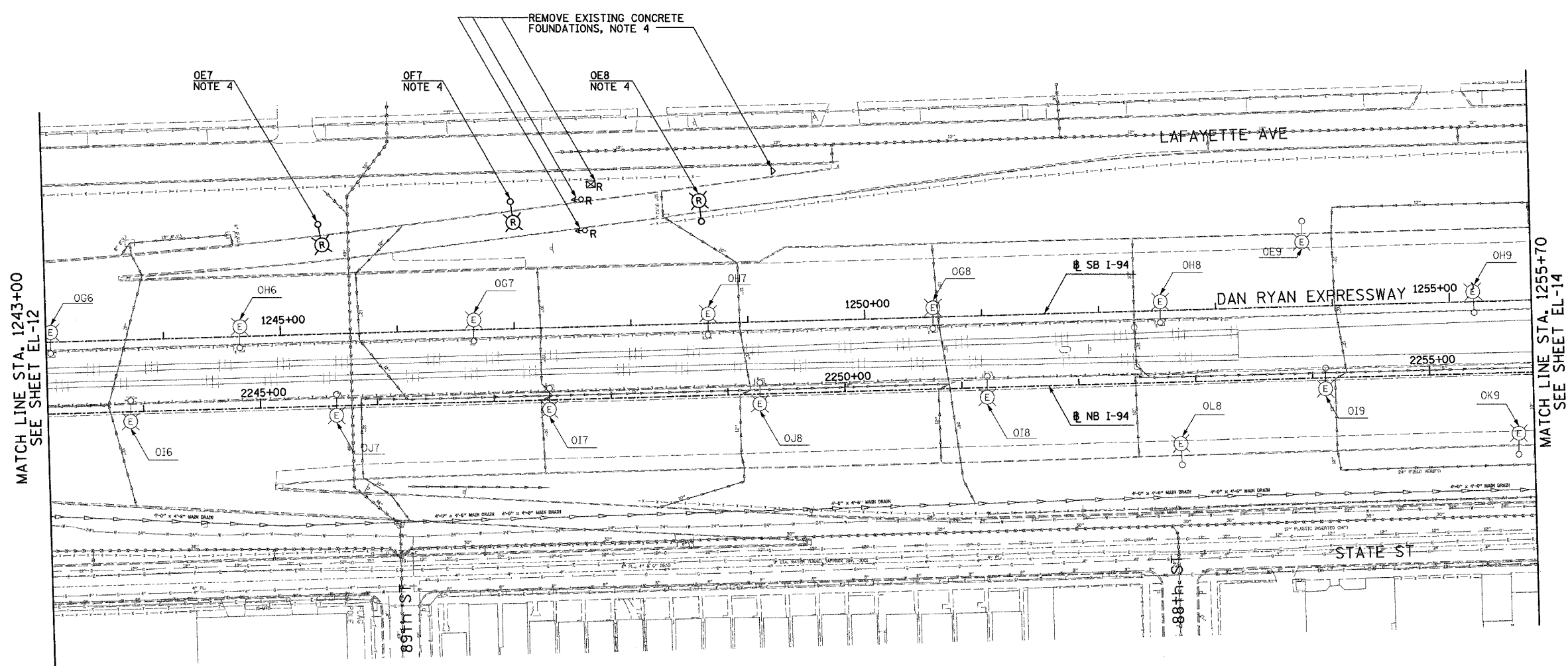
300 W. ADAMS ST.
CHICAGO, IL 60606
TEL: (312) 629-0240
FAX: (312) 629-8449

J:\15\dgm\102753b_012-01a.dwg 5/16/2005 11:25:27 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	907	350
STA. 1243+00.00		TO STA. 1255+70.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
(1516.1, 1717 & 1818) R-9		62695		



- NOTES:**
- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 - COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
 - UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
 - ROADWAY LIGHT POLES AND SURVEILLANCE EQUIPMENT SHALL BE REMOVED UNDER CONTRACT 62583. FOUNDATION REMOVAL SHALL BE INCLUDED AS PART OF CONTRACT 62695 FOR THREE LIGHTING AND FOUR SURVEILLANCE FOUNDATIONS ON THIS SHEET.



17B/EL-13

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 AND SURVEILLANCE PLANS
 EXISTING CONDITIONS AND DEMOLITION
 SCALE: 1"=50'
 DATE: MARCH 25, 2005
 DRAWN BY: VG
 CHECKED BY: TM

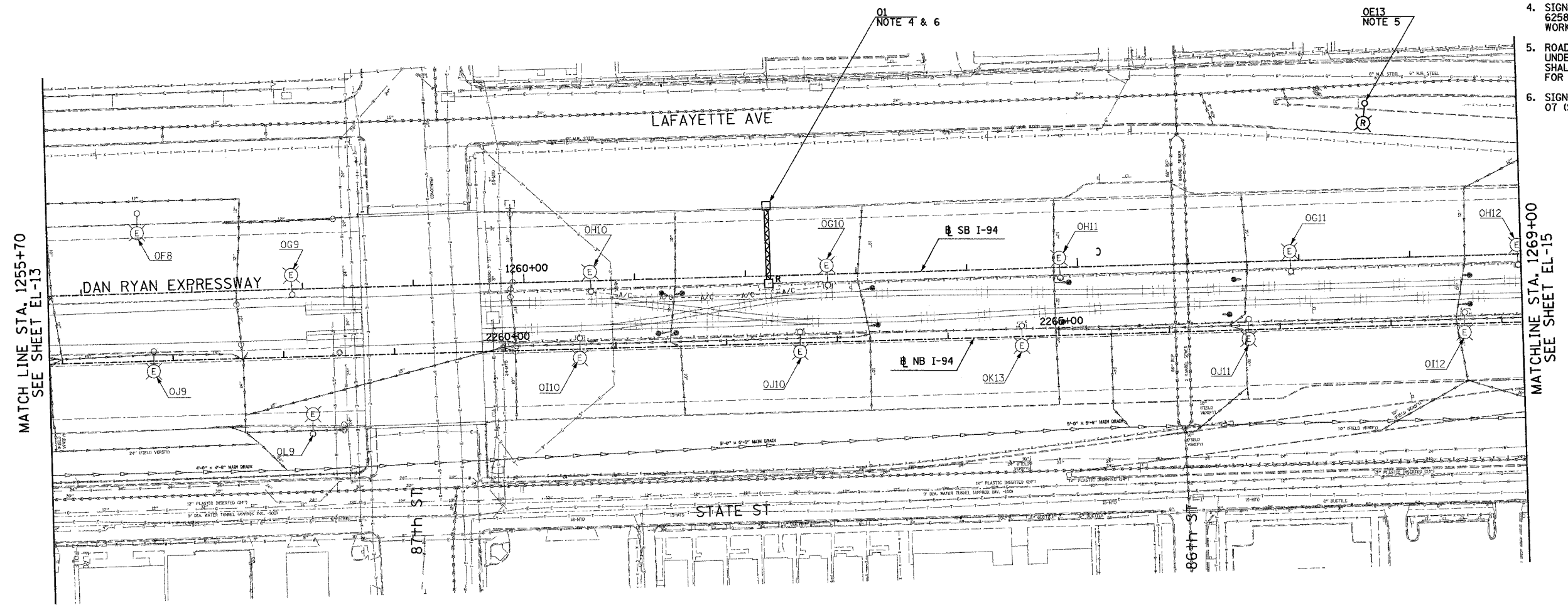
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	907	351
STA. 1255+70.00		TO STA. 1269+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
(1516.1, 1717 & 1818) R-9		62695		



NOTES:

- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
- UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
- SIGN TO BE DISCONNECTED UNDER CONTRACT 62583. SIGN LUMINAIRE REMOVAL IS PROPOSED WORK FOR CONTRACT 62695.
- ROADWAY LIGHT POLES SHALL BE REMOVED UNDER CONTRACT 62583. FOUNDATION REMOVAL SHALL BE INCLUDED AS PART OF CONTRACT 62695 FOR ONE LIGHTING FOUNDATION ON THIS SHEET.
- SIGN 01 SHALL REMAIN LIT UNTIL PROPOSED SIGN 07 (STA. 1251+43) IS OPERATIONAL.



MATCH LINE STA. 1255+70
SEE SHEET EL-13

MATCHLINE STA. 1269+00
SEE SHEET EL-15



17B/EL-14

REVISIONS	
NAME	DATE
REVISED	5/06/05

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

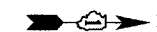
ROADWAY LIGHTING AND SURVEILLANCE PLANS
EXISTING CONDITIONS AND DEMOLITION

SCALE: 1"=50' DRAWN BY: VG
DATE: MARCH 25, 2005 CHECKED BY: TM

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

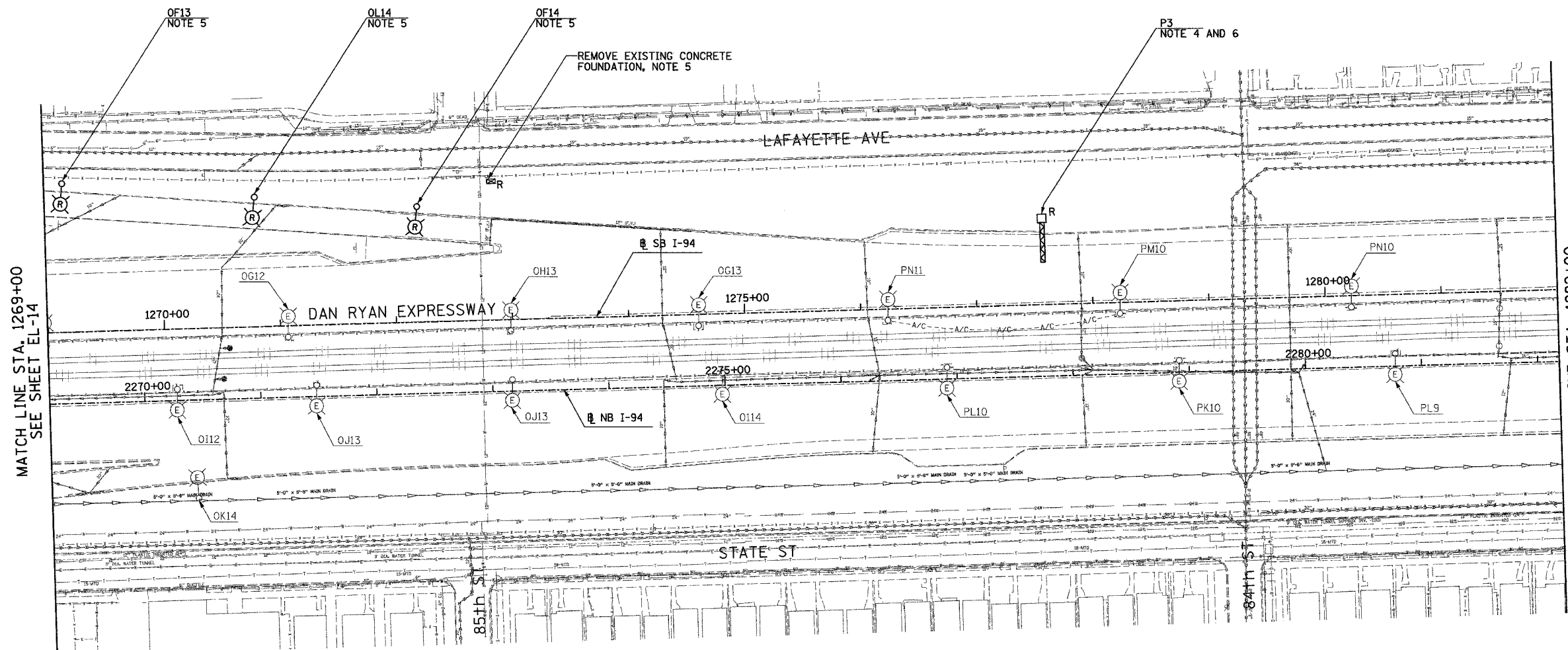
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	352
STA. 1269+00.00		TO STA. 1282+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (1516,1,1717 & 1818) R-9				62695



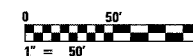
NOTES:

- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
- UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
- SIGN TO BE DISCONNECTED UNDER CONTRACT 62583. SIGN LUMINAIRE REMOVAL IS PROPOSED WORK FOR CONTRACT 62695.
- ROADWAY LIGHT POLES AND SURVEILLANCE EQUIPMENT SHALL BE REMOVED UNDER CONTRACT 62583. FOUNDATION REMOVAL SHALL BE INCLUDED AS PART OF CONTRACT 62695 FOR THREE LIGHTING AND ONE SURVEILLANCE FOUNDATION ON THIS SHEET
- SIGN P3 SHALL REMAIN LIT UNTIL PROPOSED SIGN P2 (STA. 1276+67) IS OPERATIONAL.



MATCH LINE STA. 1269+00
SEE SHEET EL-14

MATCH LINE STA. 1282+00
SEE SHEET EL-16



17B/EL-15

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REVISIONS	
NAME	DATE
REVISOR	5/06/05

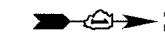
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)

ROADWAY LIGHTING AND SURVEILLANCE PLANS
EXISTING CONDITIONS AND DEMOLITION

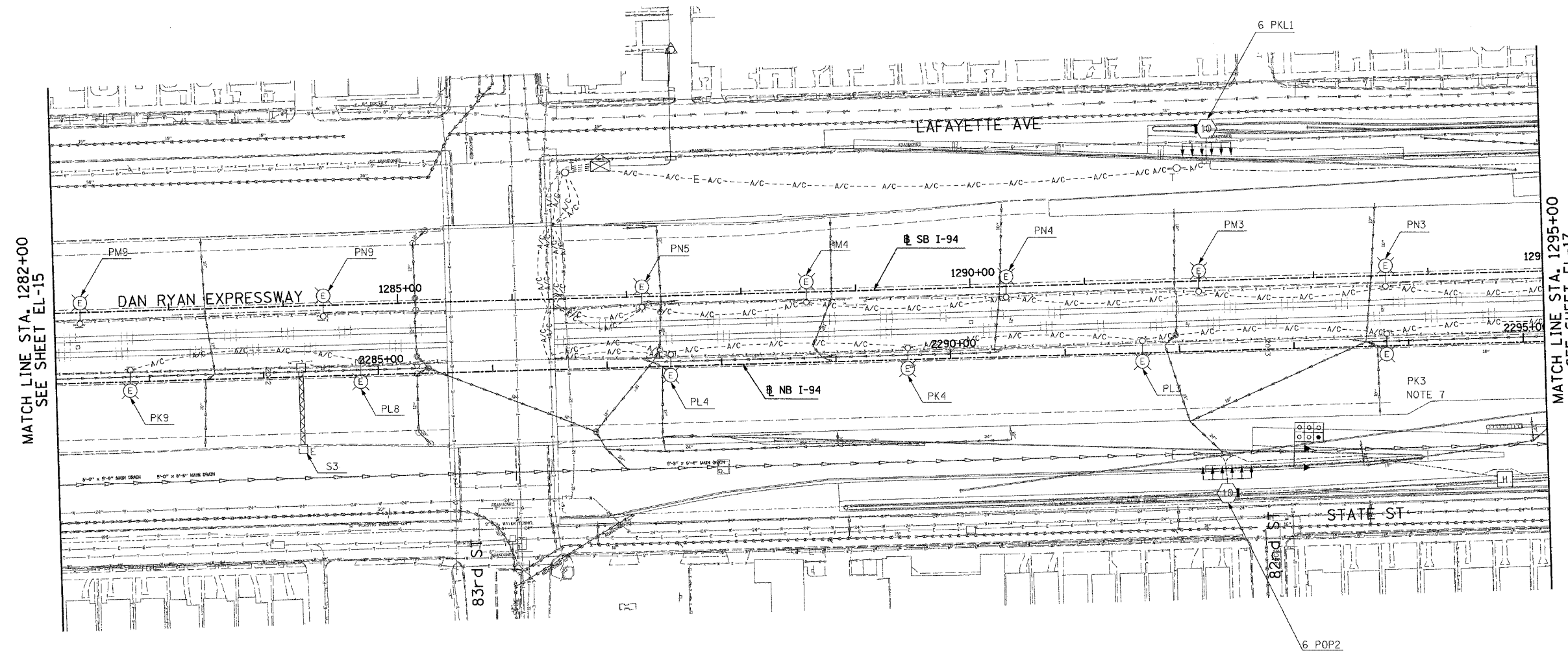
SCALE: 1"=50' DRAWN BY: VG
DATE: MARCH 25, 2005 CHECKED BY: TM

5/6/2005 11:02:32 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	907	353
STA. 1282+00.00		TO STA. 1295+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
(1516.1, 1717 & 1818) R-9		62695		



- NOTES:
- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.



MATCH LINE STA. 1282+00
SEE SHEET EL-15

MATCH LINE STA. 1295+00
SEE SHEET EL-17



17B/EL-16

NO ELECTRICAL WORK ON THIS SHEET
FOR REFERENCE ONLY

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NAME	DATE
REVISOR	5/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
ROADWAY LIGHTING AND SURVEILLANCE PLANS
EXISTING CONDITIONS AND DEMOLITION
SCALE: 1"=50'
DATE: MARCH 25, 2005
DRAWN BY: VG
CHECKED BY: TM

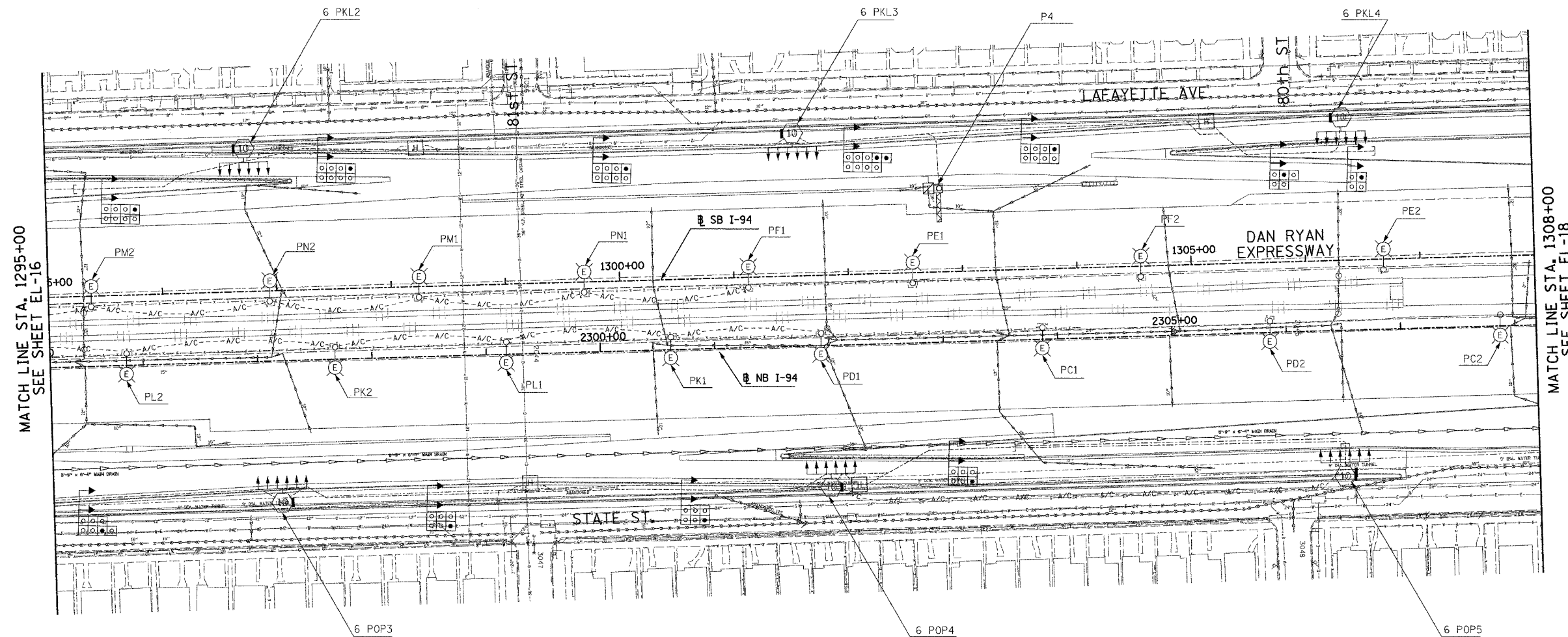
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	354
STA. 1295+00.00		TO STA. 1308+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (1516, 1, 1717 & 1818) R-9		62695		



NOTES:

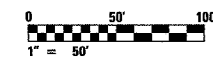
- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.



MATCH LINE STA. 1295+00
SEE SHEET EL-16

MATCH LINE STA. 1308+00
SEE SHEET EL-18

NO ELECTRICAL WORK ON THIS SHEET
FOR REFERENCE ONLY



17B/EL-17

REVISIONS	
NAME	DATE
REVISOR	5/06/05

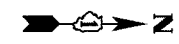
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
ROADWAY LIGHTING AND SURVEILLANCE PLANS
EXISTING CONDITIONS AND DEMOLITION

SCALE: 1"=50' DRAWN BY: VG
DATE: MARCH 25, 2005 CHECKED BY: TM

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

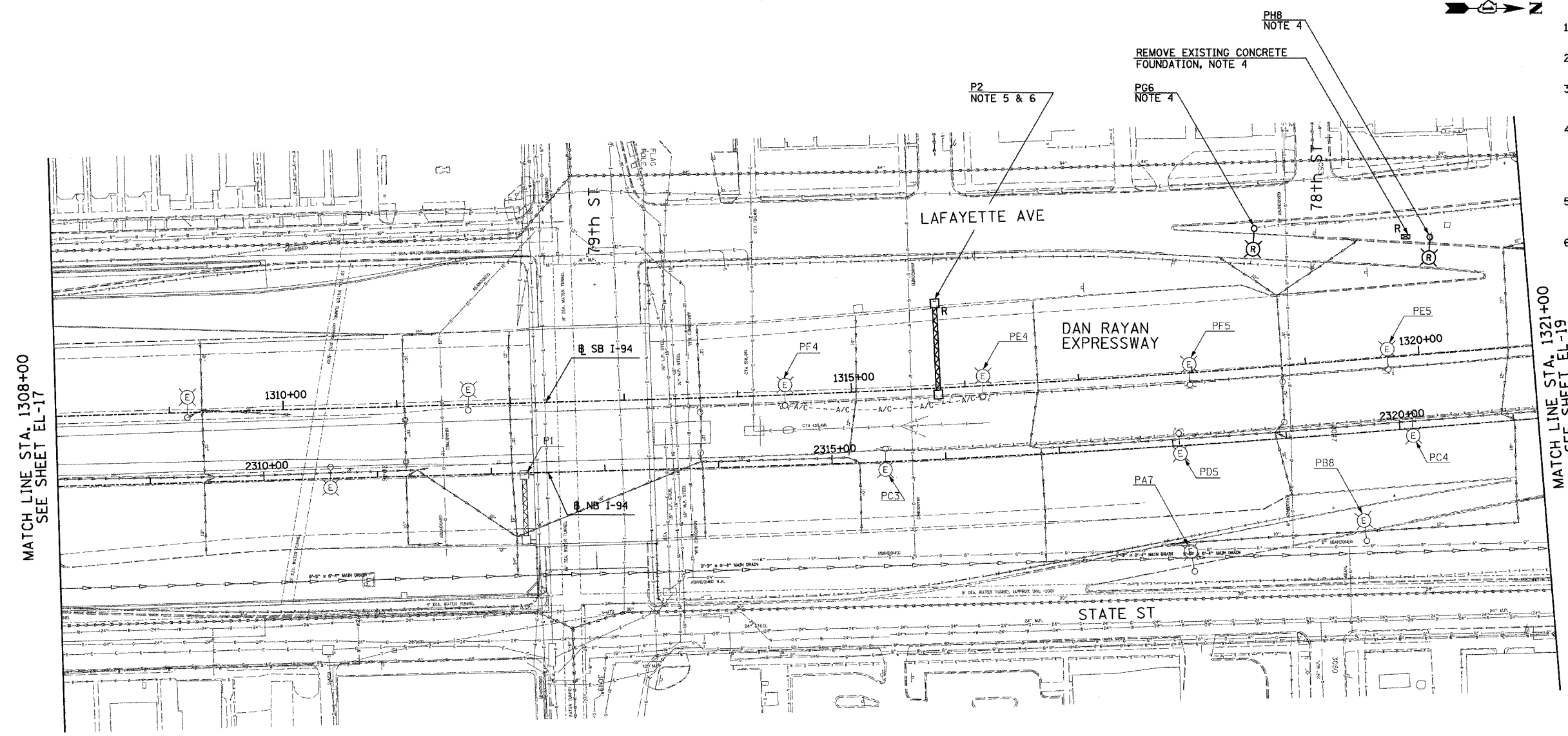
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5/6/2005

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	907	355
STA. 1308+00.00		TO STA. 1321+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (1516.1, 1717 & 1818) R-9				62695



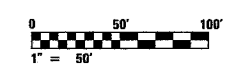
NOTES:

- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
- UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
- ROADWAY LIGHT POLES AND SURVEILLANCE EQUIPMENT SHALL BE REMOVED UNDER CONTRACT 62583. FOUNDATION REMOVAL SHALL BE INCLUDED AS PART OF CONTRACT 62695 FOR TWO LIGHTING AND ONE SURVEILLANCE FOUNDATION ON THIS SHEET.
- SIGN TO BE DISCONNECTED UNDER CONTRACT 62583. SIGN LUMIAIRE REMOVAL IS PROPOSED WORK FOR CONTRACT 62695.
- SIGN P2 SHALL REMAIN LIT UNTIL PROPOSED SIGN P5 (STA. 1313+24) IS OPERATIONAL.



MATCH LINE STA. 1308+00
SEE SHEET EL-17

MATCH LINE STA. 1321+00
SEE SHEET EL-19



17B/EL-18

SINGH 300 W. ADAMS ST.
CHICAGO, IL 60606
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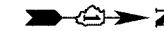
REVISIONS	
NAME	DATE
REVISED	5/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
ROADWAY LIGHTING AND SURVEILLANCE PLANS
EXISTING CONDITIONS AND DEMOLITION

SCALE: 1"=50' DRAWN BY: VG
DATE: MARCH 25, 2005 CHECKED BY: TM

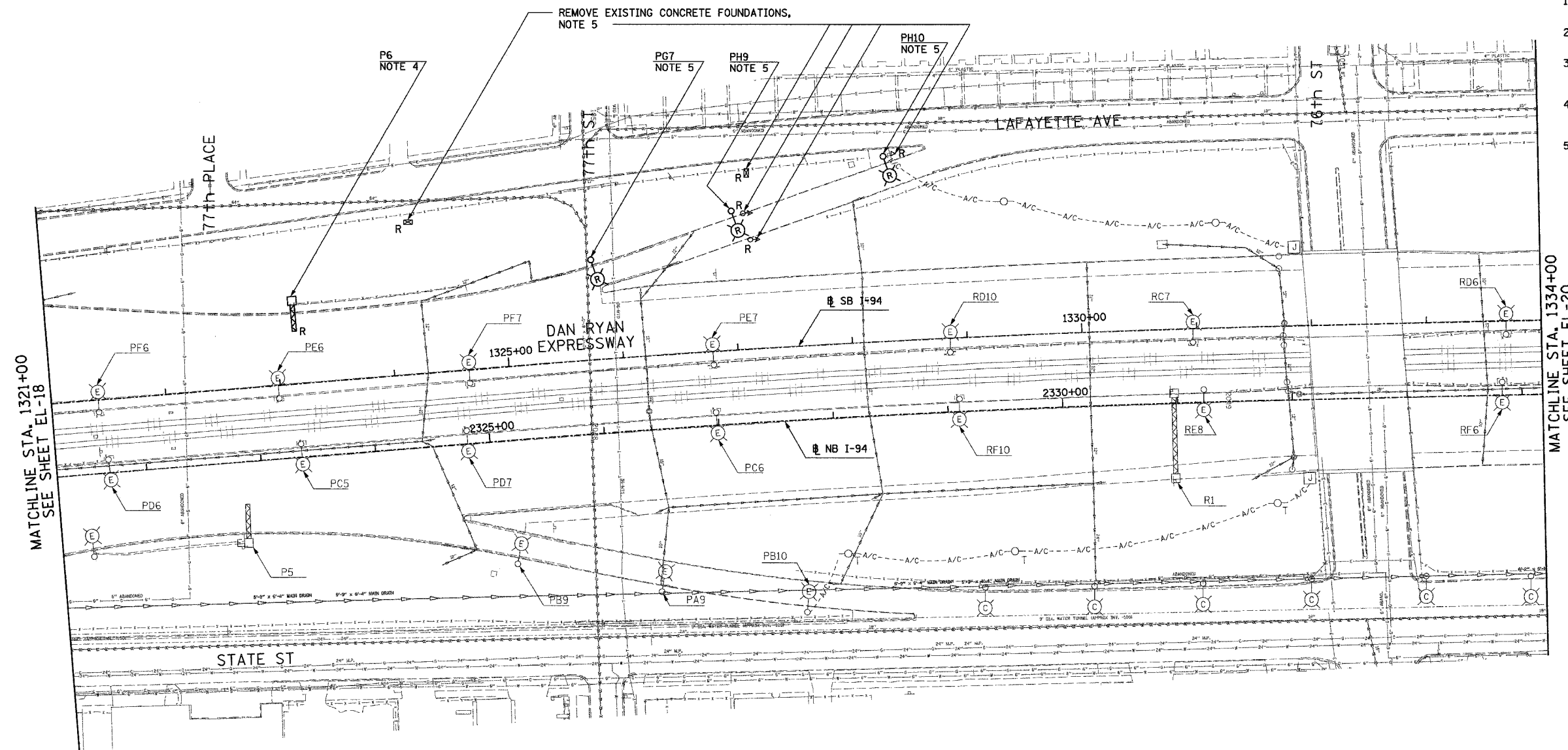
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	356
STA. 1321+00.00		TO STA. 1334+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (1516,1,1717 & 1818) R-9		62695		



NOTES:

- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
- UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
- SIGN TO BE DISCONNECTED UNDER CONTRACT 62583. SIGN LUMINAIRE REMOVAL IS PROPOSED WORK FOR CONTRACT 62695.
- ROADWAY LIGHT POLES, AERIAL CABLE, AND SURVEILLANCE EQUIPMENT SHALL BE REMOVED UNDER CONTRACT 62583. FOUNDATION REMOVAL SHALL BE INCLUDED AS PART OF CONTRACT 62695 FOR THREE LIGHTING AND FIVE SURVEILLANCE FOUNDATIONS ON THIS SHEET.



MATCHLINE STA. 1321+00
SEE SHEET EL-18

MATCHLINE STA. 1334+00
SEE SHEET EL-20



17B/EL-19

REVISIONS		
NO.	NAME	DATE
1	REVISION	5/06/05

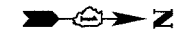
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
ROADWAY LIGHTING AND SURVEILLANCE PLANS
EXISTING CONDITIONS AND DEMOLITION

SCALE: 1"=50' DRAWN BY: VG
DATE: MARCH 25, 2005 CHECKED BY: TM

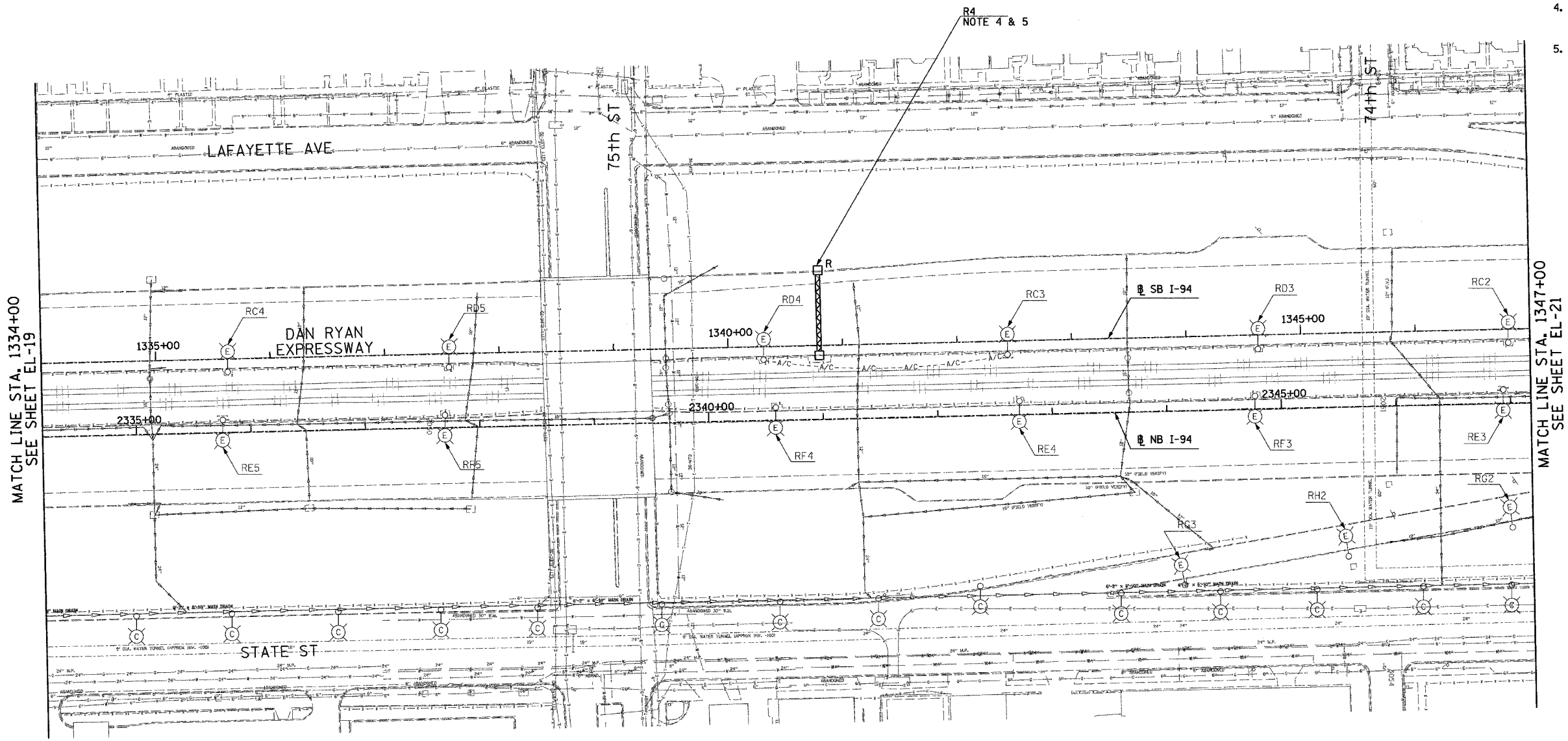
SINGH 300 W. ADAMS ST.
CHICAGO, IL 60606
SINGH & ASSOCIATES, INC. TEL: (312) 629-0240
CONSULTING ENGINEERS FAX: (312) 629-8449

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	907	357
STA. 1334+00.00		TO STA. 1347+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
(1516.1, 1717 & 1818) R-9				62695

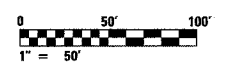


- NOTES:**
- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 - COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
 - UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
 - SIGN TO BE DISCONNECTED UNDER CONTRACT 62583. SIGN LUMINAIRE REMOVAL IS PROPOSED WORK FOR CONTRACT 62695.
 - SIGN R4 SHALL REMAIN LIT UNTIL PROPOSED BRIDGE MOUNTED SIGN R1 (STA. 1339+32) IS OPERATIONAL.



MATCH LINE STA. 1334+00
SEE SHEET EL-19

MATCH LINE STA. 1347+00
SEE SHEET EL-21



17B/EL-20

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SINGH & ASSOCIATES, INC.
CONSULTING ENGINEERS

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

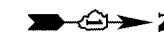
REVISIONS	
NAME	DATE
REVISED	5/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
ROADWAY LIGHTING AND SURVEILLANCE PLANS
EXISTING CONDITIONS AND DEMOLITION

SCALE: 1"=50'
DATE: MARCH 25, 2005
DRAWN BY: VG
CHECKED BY: TM

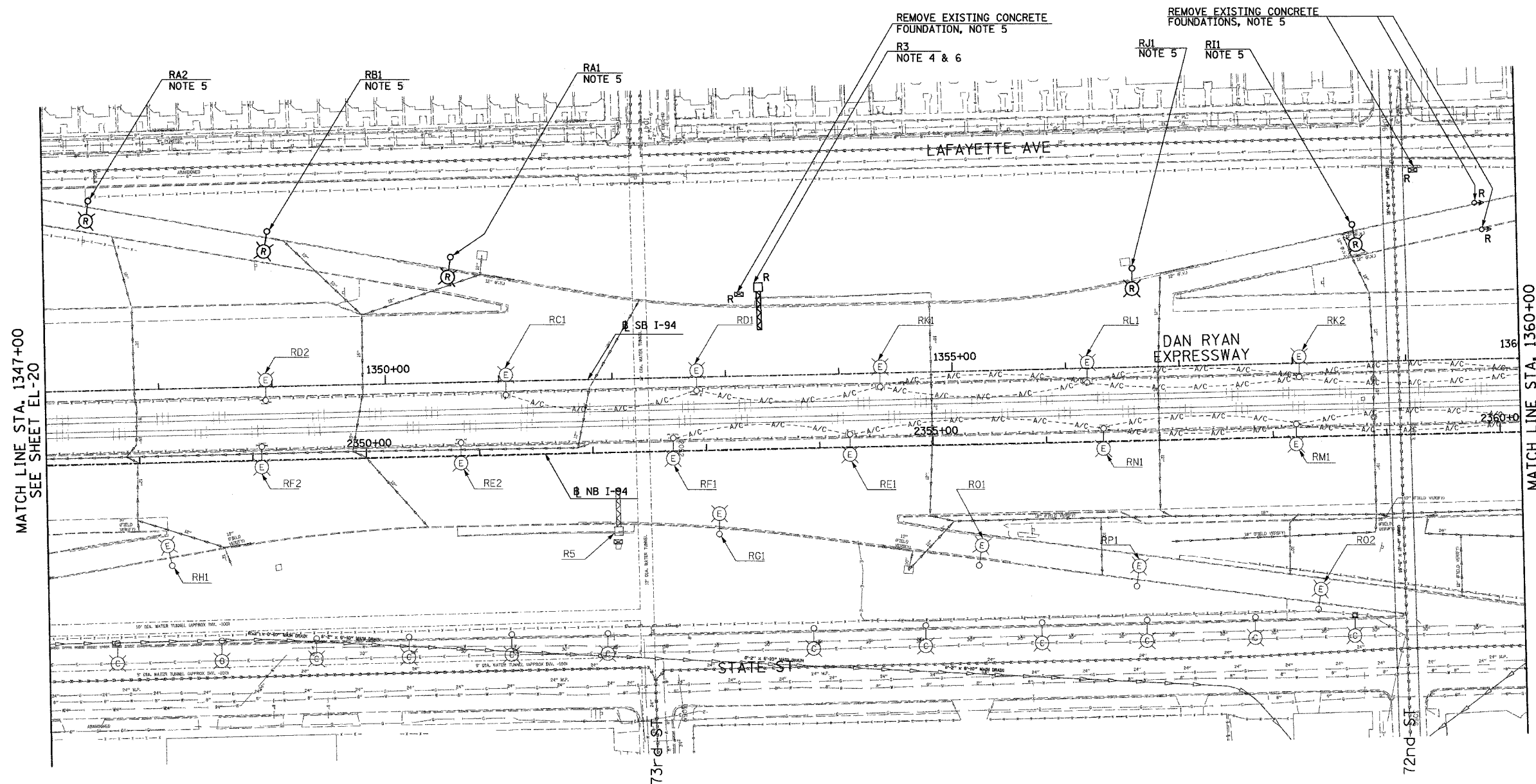
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	907	358
STA. 1347+00.00		TO STA. 1360+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
(1516.1, 1717 & 1818) R-9				62695



NOTES:

- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
- UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
- SIGN TO BE DISCONNECTED UNDER CONTRACT 62583. SIGN LUMINAIRE REMOVAL IS PROPOSED WORK FOR CONTRACT 62695.
- ROADWAY LIGHT POLES AND SURVEILLANCE EQUIPMENT SHALL BE REMOVED UNDER CONTRACT 62583. FOUNDATION REMOVAL SHALL BE INCLUDED AS PART OF CONTRACT 62695 FOR FIVE LIGHTING AND FOUR SURVEILLANCE FOUNDATIONS ON THIS SHEET.
- SIGN R3 SHALL REMAIN LIT UNTIL PROPOSED SIGN R3 (STA. 1365+87) IS OPERATIONAL.



MATCH LINE STA. 1347+00
SEE SHEET EL-20

MATCH LINE STA. 1360+00
SEE SHEET EL-22



17B/EL-21

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CONSULTING ENGINEERS

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

REVISIONS	
NAME	DATE
REVISOR	5/06/05

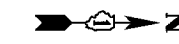
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
ROADWAY LIGHTING AND SURVEILLANCE PLANS
EXISTING CONDITIONS AND DEMOLITION

SCALE: 1"=50'
DATE: MARCH 25, 2005

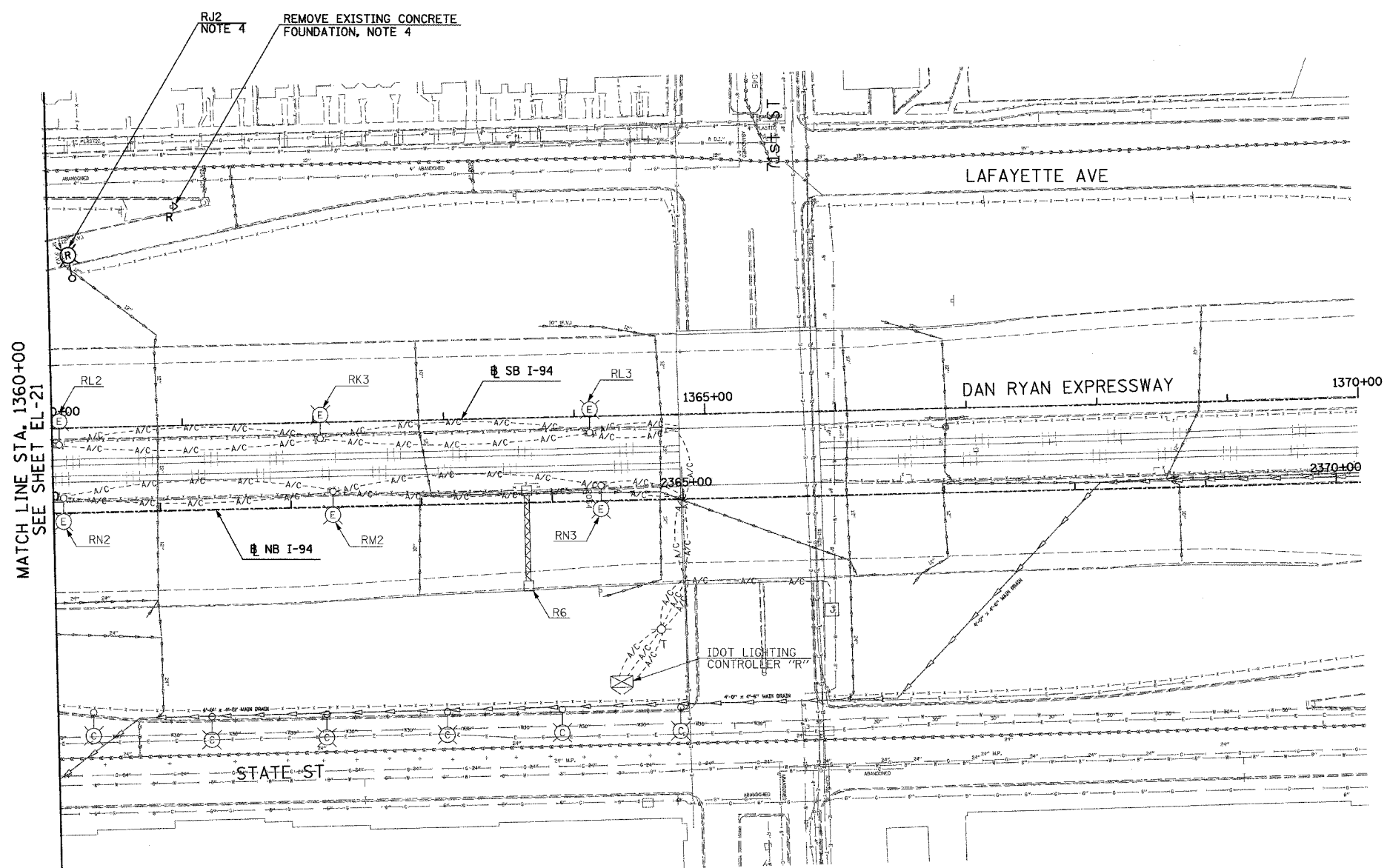
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CHECKED BY: TM

11/08/05 5/16/2005

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	359
STA. 1360+00.00		TO STA. 1370+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (1516.1, 1717 & 1818) R-9				62695



- NOTES:**
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 - COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
 - UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
 - ROADWAY LIGHT POLES AND SURVEILLANCE EQUIPMENT SHALL BE REMOVED UNDER CONTRACT 62583. FOUNDATION REMOVAL SHALL BE INCLUDED AS PART OF CONTRACT 62695 FOR ONE LIGHTING AND ONE SURVEILLANCE FOUNDATION ON THIS SHEET.



MATCH LINE STA. 1360+00
SEE SHEET EL-21



17B/EL-22

REVISIONS	
NAME	DATE
REVISED	5/06/05

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

ROADWAY LIGHTING AND SURVEILLANCE PLANS
EXISTING CONDITIONS AND DEMOLITION

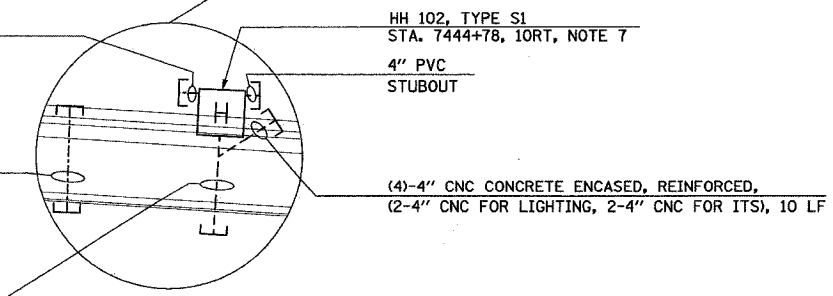
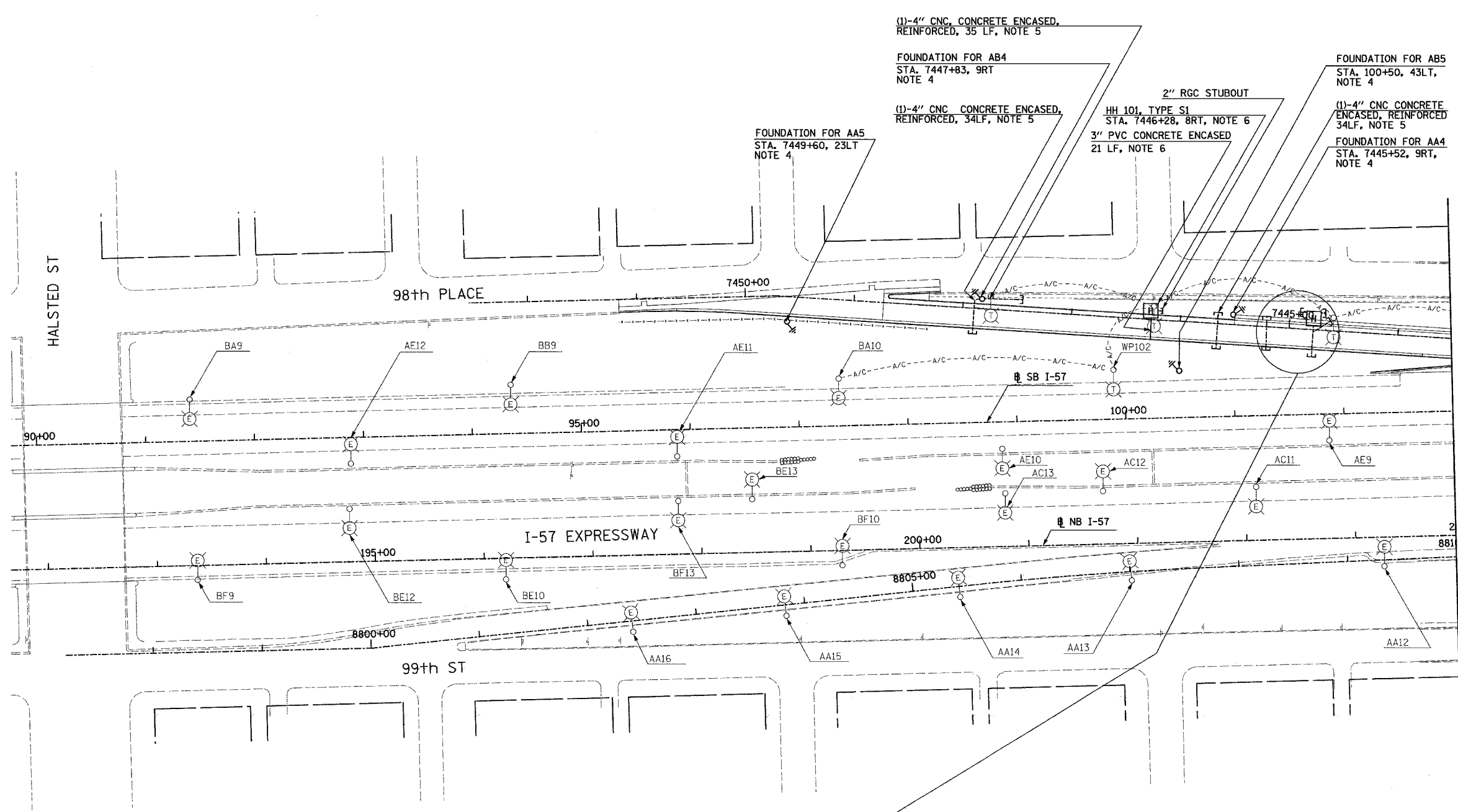
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DATE: MARCH 25, 2005 CHECKED BY: TM

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

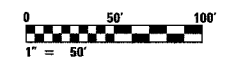
JAN/5/05/1021/536/122-01/AST 11/08/05 AM 5/16/2005

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	907	360
STA. 90+00.00		TO STA. 103+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• (1516, 1, 1717 & 1818) R-9		62695		

- NOTES:**
- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 - COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
 - UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
 - PROVIDE FOUNDATIONS FOR CONVENTIONAL LIGHT POLES AS SHOWN ON SHEET E-301. POLES AND WIRING SHALL BE FURNISHED AND INSTALLED BY OTHERS UNDER CONTRACT 62583.
 - REFER SHEET EI-102 AND ME-04 FOR DUCTBANK INSTALLATION DETAILS.
 - REFER TO SHEETS EI-106 AND EI-110 FOR DETAILS.
 - REFER TO SHEETS EI-103, EI-106 AND EI-110 FOR HANDHOLE DETAILS.



- 2" RGC STUBOUT
- HH 102, TYPE S1
STA. 7444+78, 10RT, NOTE 7
- 4" PVC STUBOUT
- (4)-3" RGC, IN TRENCH
34 LF
- (4)-4" CNC CONCRETE ENCASED, REINFORCED,
(2)-4" CNC FOR LIGHTING, 2-4" CNC FOR ITS, 10 LF
- (5)-4" CNC AND (1)-2" CNC,
CONCRETE ENCASED, REINFORCED,
34 LF, NOTE 5



17B/EI-01

REVISIONS		
NO.	NAME	DATE
1	REVISED	5/06/05

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

ELECTRICAL INFRASTRUCTURE PLANS
PROPOSED IMPROVEMENTS

SCALE: 1"=50' DRAWN BY: VG
DATE: MARCH 25, 2005 CHECKED BY: TM

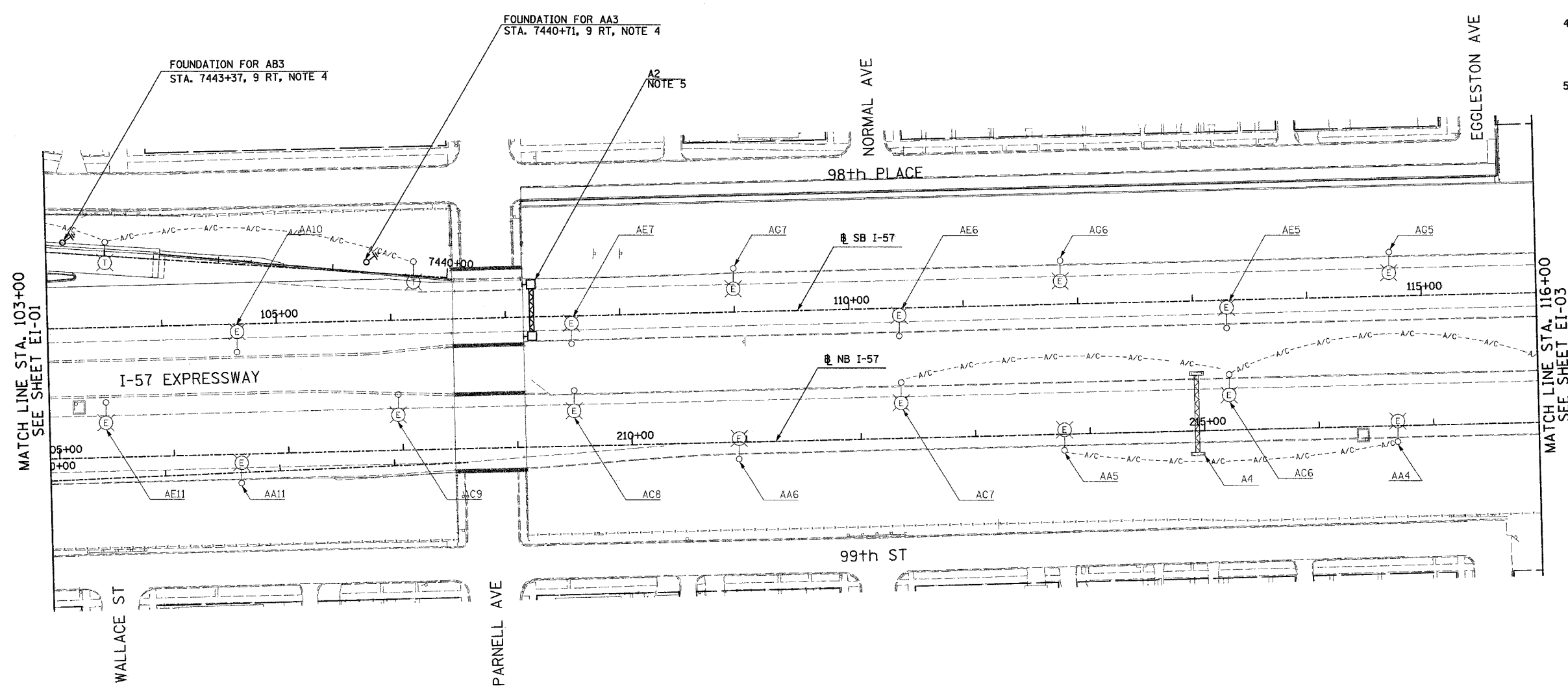
SINGH 300 W. ADAMS ST.
CHICAGO, IL 60606
SINGH & ASSOCIATES, INC. TEL: (312) 629-0240
CONSULTING ENGINEERS FAX: (312) 629-8449

5/6/2005 9:46:55 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	361
STA. 103+00.00		TO STA. 116+00.00		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		62695	
(1516.1, 1717 & 1818) R-9				

NOTES:

- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
- UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
- PROVIDE FOUNDATIONS FOR CONVENTIONAL LIGHT POLES AS SHOWN ON SHEET E-301. POLES AND WIRING SHALL BE FURNISHED AND INSTALLED BY OTHERS UNDER CONTRACT 62583.
- SIGN STRUCTURE SHALL BE PROVIDED UNDER THIS CONTRACT. SIGN LUMINAIRES, DISCONNECT SWITCH, WIRING AND CONNECTIONS SHALL BE PROVIDED UNDER CONTRACT 62583. PROPOSED SIGN SHALL BE LIT BEFORE HALSTED STREET RAMP IS OPENED.



17B/EI-02

REVISIONS	
NAME	DATE
REVISOR	5/06/05

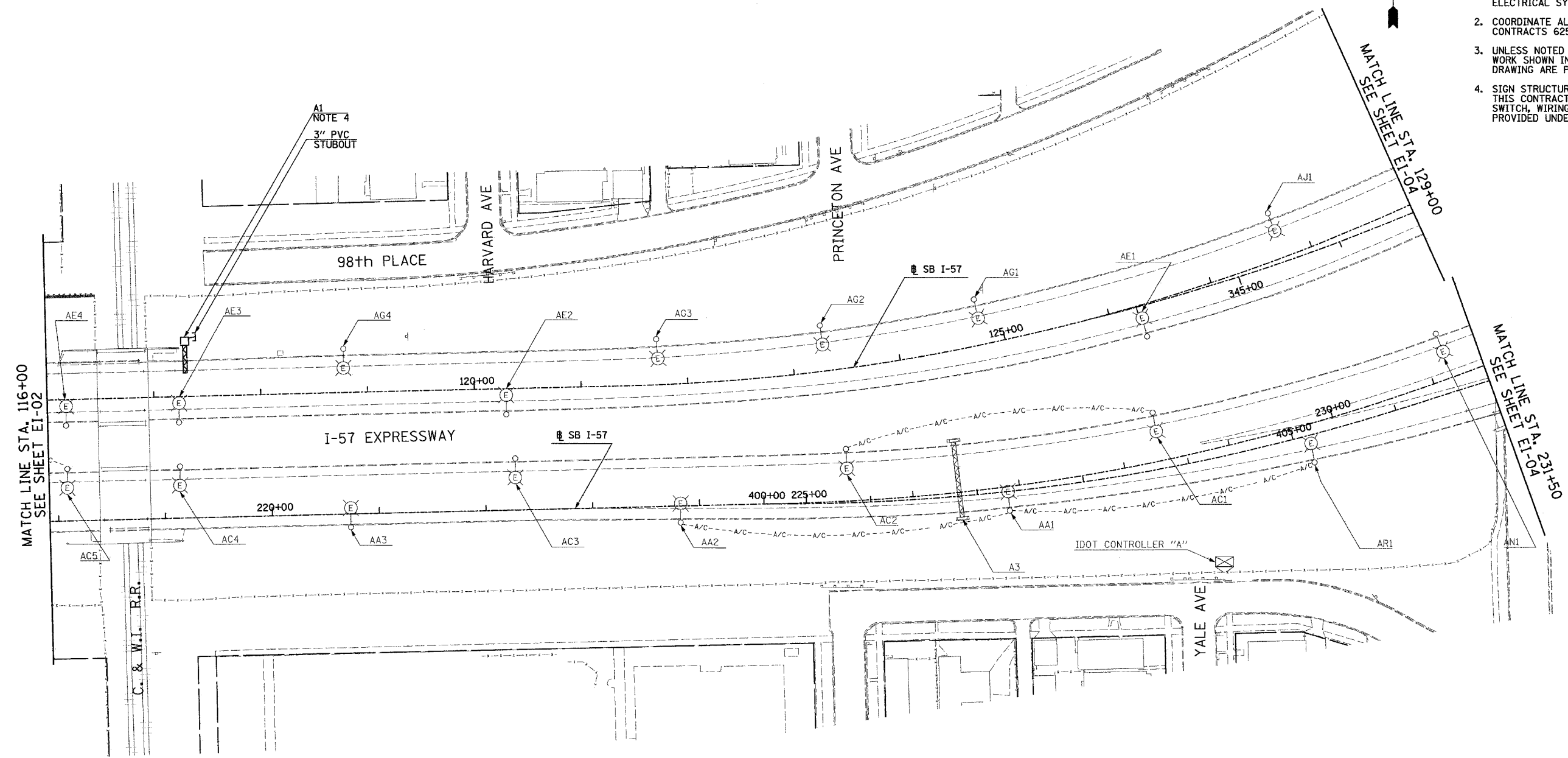
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 ELECTRICAL INFRASTRUCTURE PLANS
 PROPOSED IMPROVEMENTS
 SCALE: 1"=50' DRAWN BY: VG
 DATE: MARCH 25, 2005 CHECKED BY: TM

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

5/16/2005 9:54:56 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	362
STA. 116+00.00		TO STA. 129+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (1516, 1, 1717 & 1818) R-9		62695		

- NOTES:**
- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 - COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
 - UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
 - SIGN STRUCTURE SHALL BE PROVIDED UNDER THIS CONTRACT. SIGN LUMINAIRES, DISCONNECT SWITCH, WIRING AND CONNECTIONS SHALL BE PROVIDED UNDER CONTRACT 62583.



17B/EI-03

REVISIONS	
NAME	DATE
REVISD	5/06/05

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

ELECTRICAL INFRASTRUCTURE PLANS
PROPOSED IMPROVEMENTS

SCALE: 1"=50' DRAWN BY: VG
DATE: MARCH 25, 2005 CHECKED BY: TM

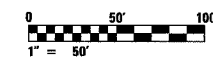
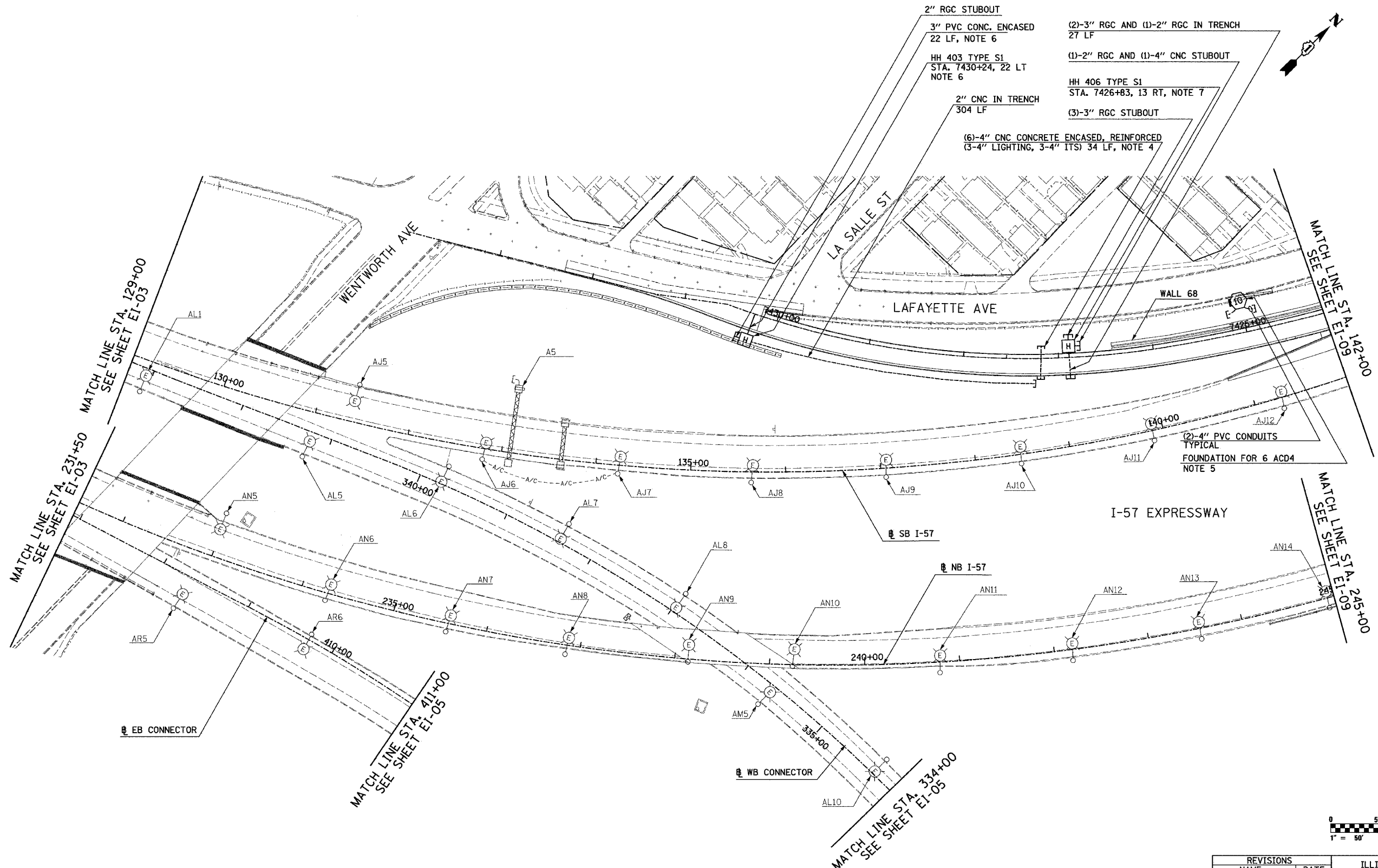
SINGH 300 W. ADAMS ST.
CHICAGO, IL 60606
SINGH & ASSOCIATES, INC. TEL: (312) 629-0240
CONSULTING ENGINEERS FAX: (312) 629-8449

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	907	363

STA. 129+00.00 TO STA. 142+00.00
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 * (1516, 1, 1717 & 1818) R-9 62695

- NOTES:**
- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 - COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
 - UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
 - REFER SHEET EI-102 AND ME-04 FOR DUCTBANK INSTALLATION DETAILS.
 - SEE STRUCTURAL DRAWINGS AND EI-104 FOR CONDUIT INSTALLATION DETAILS FOR LIGHT TOWER FOUNDATIONS MOUNTED ON WALL.
 - REFER TO SHEETS EI-106 AND EI-110 FOR DETAILS.
 - REFER TO SHEETS EI-103, EI-106 AND EI-110 FOR HANDHOLE DETAILS.



17B/EI-04

REVISIONS	
NAME	DATE
REVISED	5/06/05

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

ELECTRICAL INFRASTRUCTURE PLANS
 PROPOSED IMPROVEMENTS

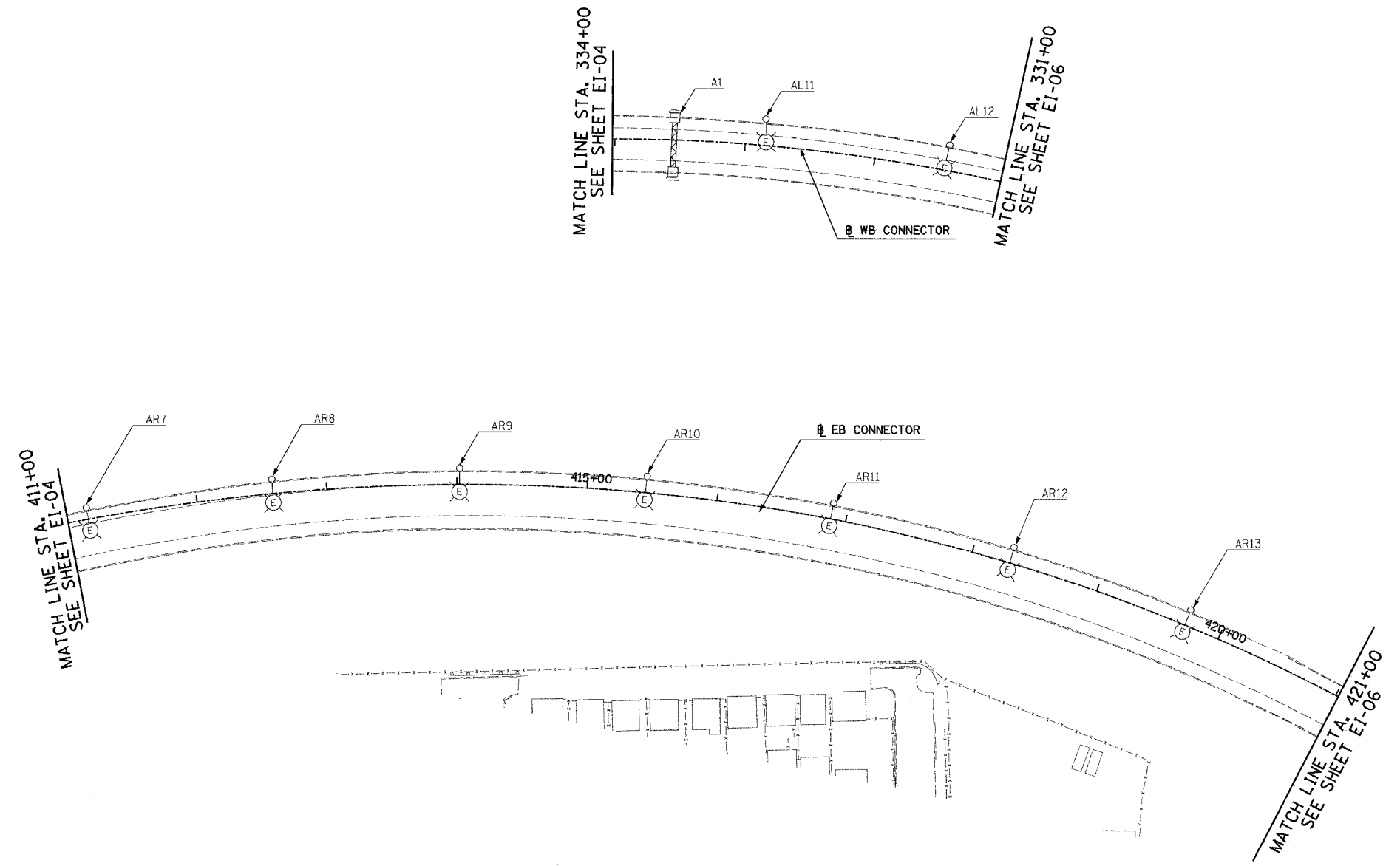
SCALE: 1"=50' DRAWN BY: VG
 DATE: MARCH 25, 2005 CHECKED BY: TM

SINGH 300 W. ADAMS ST.
 CHICAGO, IL 60606
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	364
STA. 411+00.00		TO STA. 421+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
(1516.1, 1717 & 1818) R-9		62695		

- NOTES:
- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.



NO ELECTRICAL WORK ON THIS SHEET FOR REFERENCE ONLY



17B/EI-05

SINGH
SINGH & ASSOCIATES, INC.
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300 W. ADAMS ST.
CHICAGO, IL 60606
TEL: (312) 629-0240
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REVISIONS	
NAME	DATE
REVISED	5/06/05

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

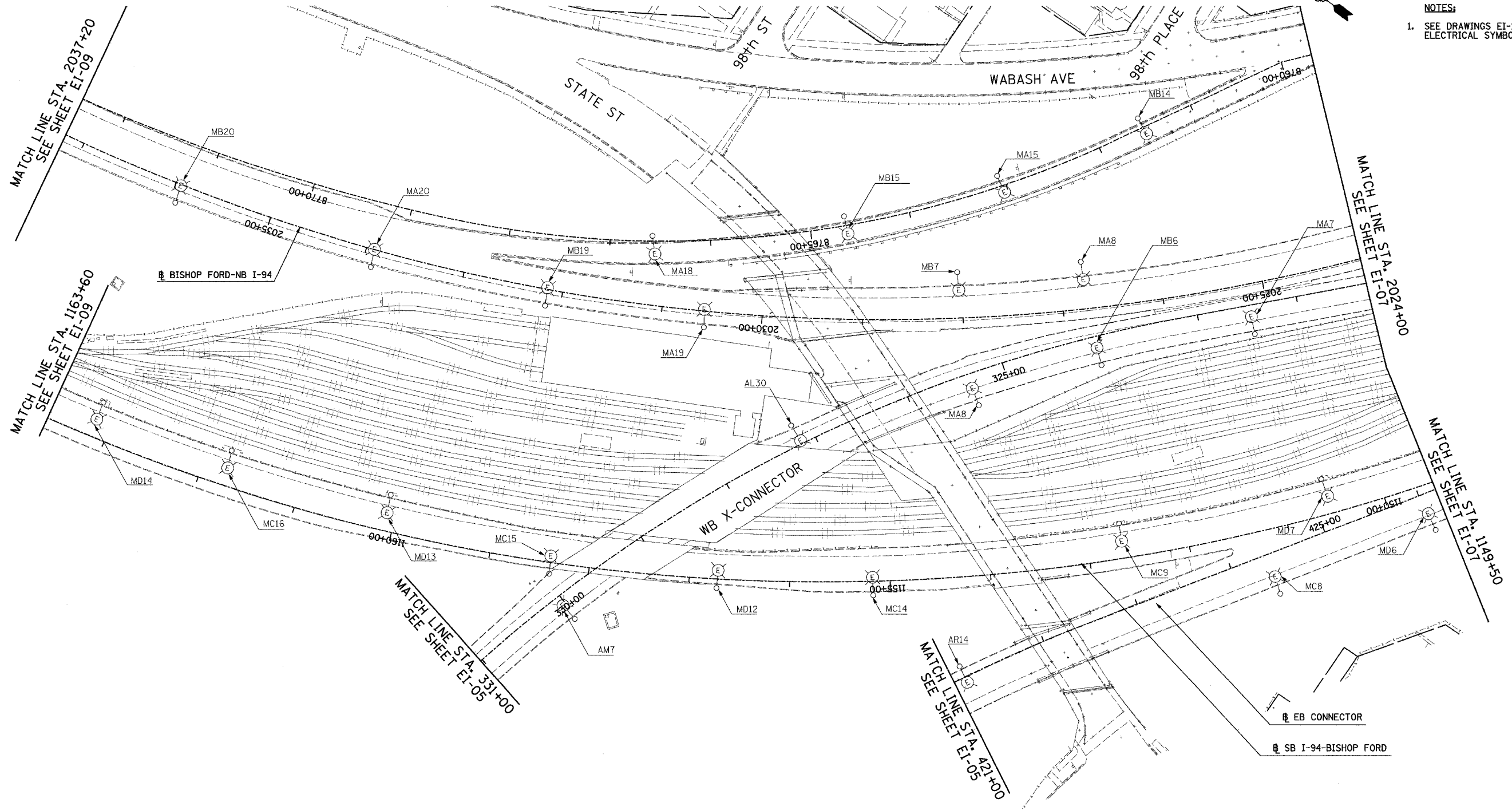
ELECTRICAL INFRASTRUCTURE PLANS
PROPOSED IMPROVEMENTS

SCALE: 1"=50' DRAWN BY: VG
DATE: MARCH 25, 2005 CHECKED BY: TM

5/16/2005 10:02:33 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	365
STA. 2037+20.00		TO STA. 2024+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* (1516.1,1717 & 1818) R-9				62695

NOTES:
 1. SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.



NO ELECTRICAL WORK ON THIS SHEET FOR REFERENCE ONLY

SINGH 300 W. ADAMS ST.
 CHICAGO, IL 60606
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REVISIONS	
NAME	DATE
REVISED	5/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 ELECTRICAL INFRASTRUCTURE PLANS
 PROPOSED IMPROVEMENTS
 SCALE: 1"=50' DRAWN BY: VG
 DATE: MARCH 25, 2005 CHECKED BY: TM



17B/EI-06

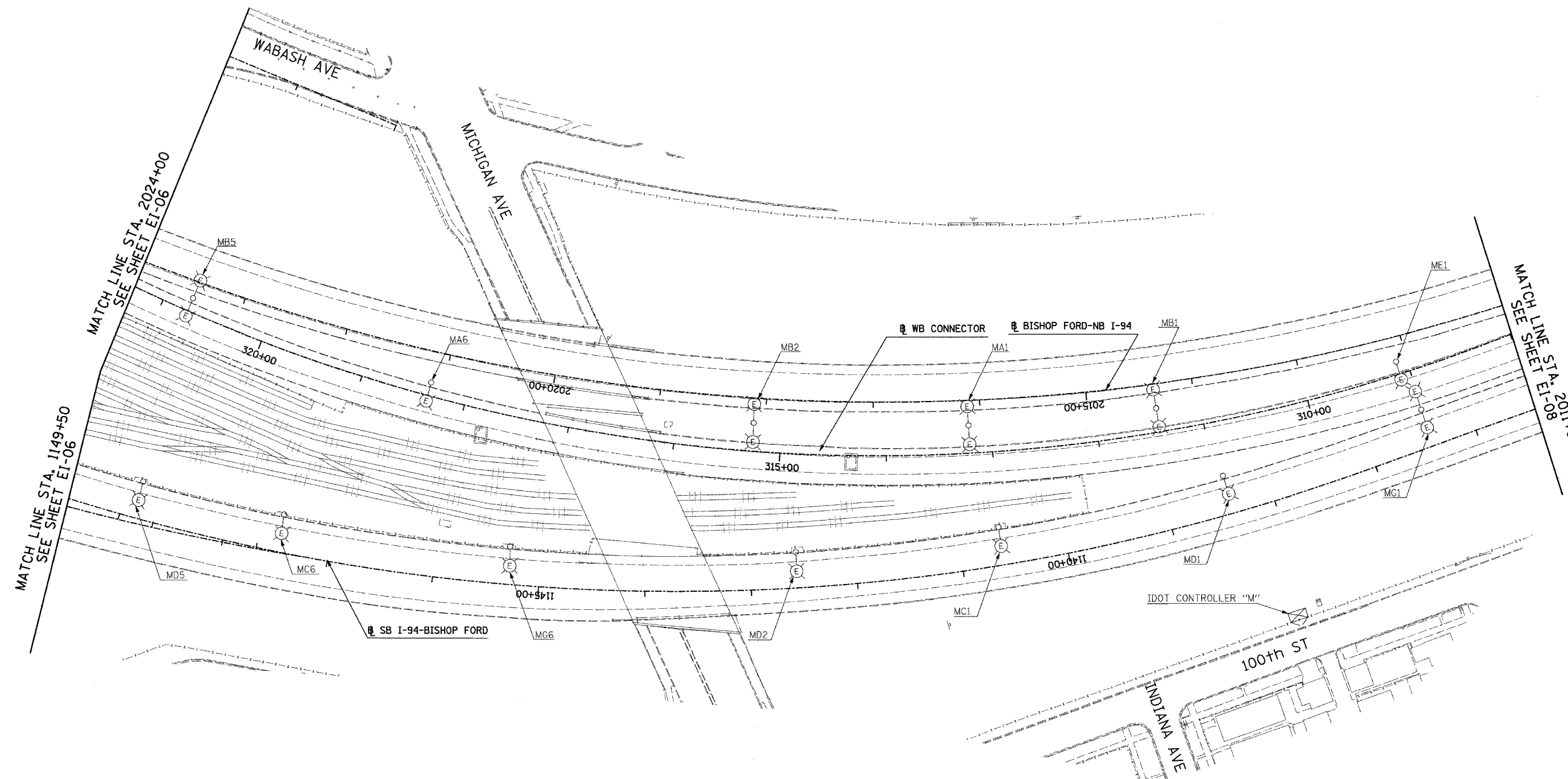
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	366
STA. 2024+00.00		TO STA. 2011+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (1516.1,1717 & 1818) R-9		62695		

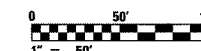


NOTES:

- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.



NO ELECTRICAL WORK ON THIS SHEET
FOR REFERENCE ONLY



17B/EI-07

SINGH
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CONSULTING ENGINEERS

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

REVISIONS	
NAME	DATE
REVISD	5/06/05

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

ELECTRICAL INFRASTRUCTURE PLANS
PROPOSED IMPROVEMENTS

SCALE: 1"=50'
DATE: MARCH 25, 2005

DRAWN BY: VG
CHECKED BY: TM

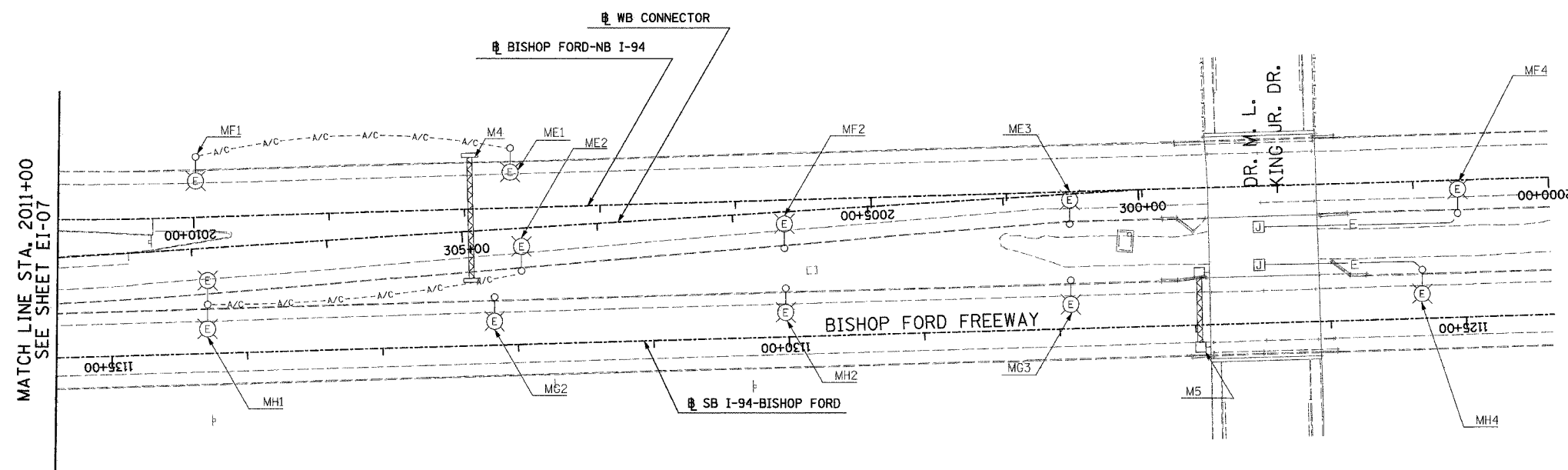
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	367
STA. 2011+00.00		TO STA. 2000+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (1516.1,1717 & 1818) R-9		62695		

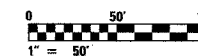


NOTES:

- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.



MATCH LINE STA. 2011+00
SEE SHEET EI-07



17B/EI-08

NO ELECTRICAL WORK ON THIS SHEET
FOR REFERENCE ONLY

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

REVISIONS	
NAME	DATE
REVISED	5/06/05

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

ELECTRICAL INFRASTRUCTURE PLANS
PROPOSED IMPROVEMENTS

SCALE: 1"=50'
DATE: MARCH 25, 2005

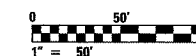
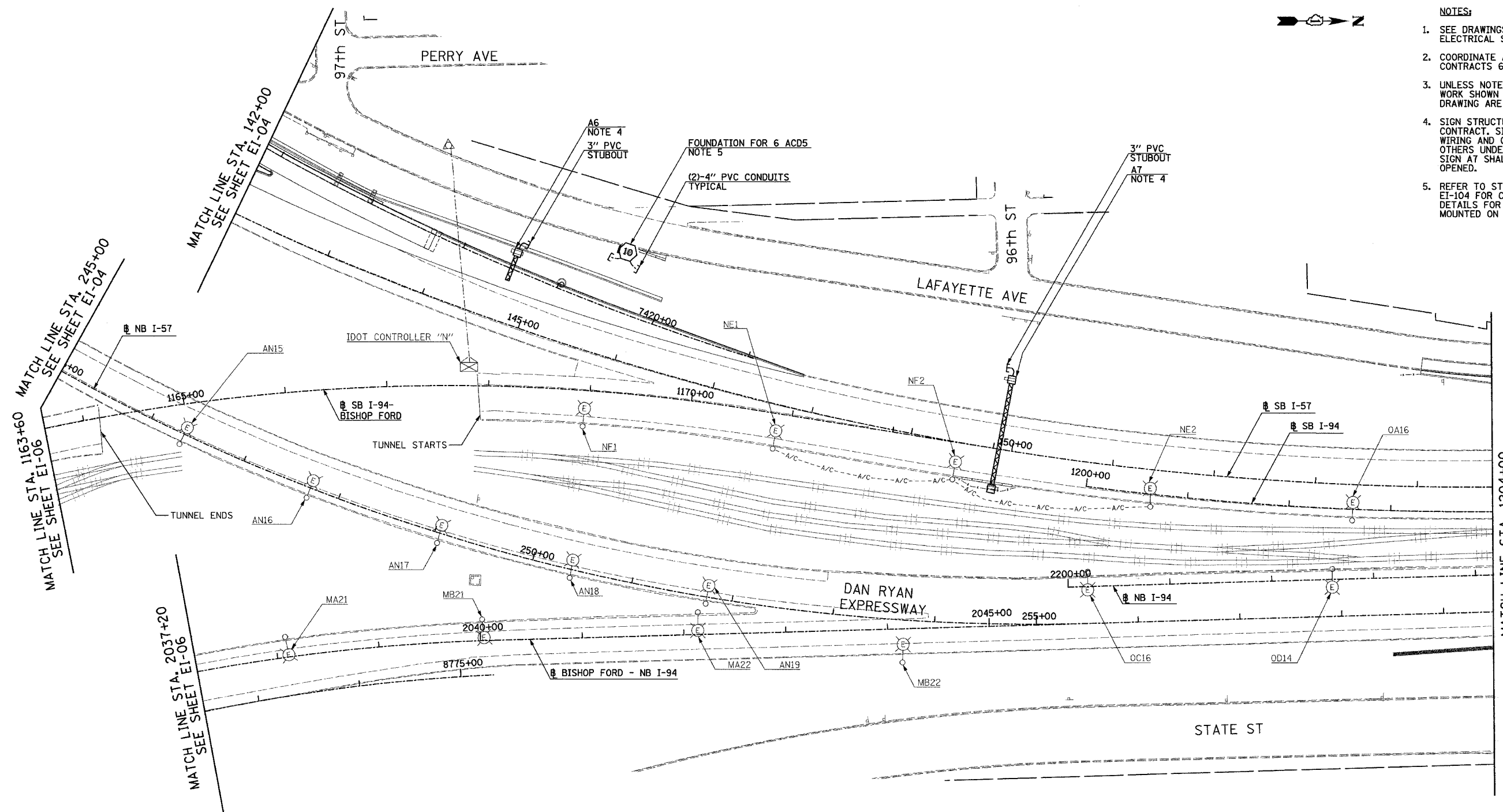
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CHECKED BY: TM

5/16/2005 10:58:55 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	368
STA. 142+00.00 TO STA. 1204+00.00				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (1516.1, 1717 & 1818) R-9		62695		

NOTES:

- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
- UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
- SIGN STRUCTURE SHALL BE PROVIDED UNDER THIS CONTRACT. SIGN LUMINAIRES, DISCONNECT SWITCH, WIRING AND CONNECTIONS SHALL BE PROVIDED BY OTHERS UNDER CONTRACT 62583. SIGN A7 SHALL BE LIT BEFORE WENTWORTH RAMP IS OPENED.
- REFER TO STRUCTURAL DRAWINGS AND EI-104 FOR CONDUIT INSTALLATION DETAILS FOR LIGHT TOWER FOUNDATIONS MOUNTED ON WALL.



17B/EI-09

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

ELECTRICAL INFRASTRUCTURE PLANS
PROPOSED IMPROVEMENTS

SCALE: 1"=50'
DATE: MARCH 25, 2005

DRAWN BY: VG
CHECKED BY: TM

SINGH
SINGH & ASSOCIATES, INC.
CONSULTING ENGINEERS

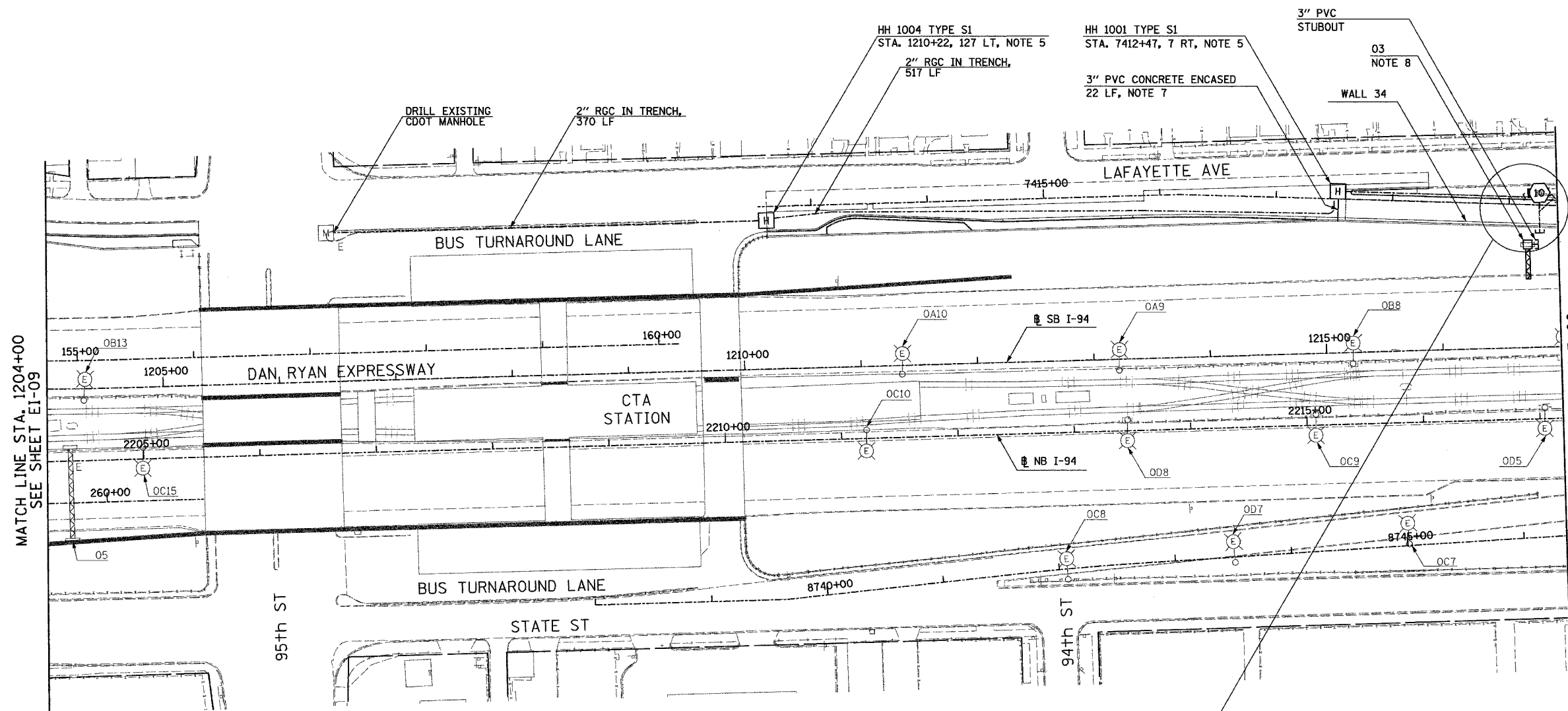
300 W. ADAMS ST.
CHICAGO, IL 60606
TEL: (312) 629-0240
FAX: (312) 629-8449

5/16/2005 12:17:35 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	907	369
STA. 1204+00.00		TO STA. 1217+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
(1516.1, 1717 & 1818) R-9		62695		

NOTES:

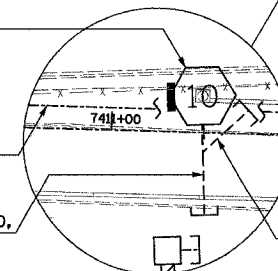
- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
- UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
- REFER TO STRUCTURAL DRAWINGS AND EI-104 FOR CONDUIT INSTALLATION DETAILS FOR LIGHT TOWER FOUNDATION MOUNTED ON WALL.
- REFER TO SHEETS EI-103, EI-106 AND EI-110 FOR HANDHOLE DETAILS.
- REFER TO SHEETS EI-102 AND ME-04 FOR DUCTBANK INSTALLATION DETAILS.
- REFER TO SHEETS EI-106 AND EI-110 FOR DETAILS.
- SIGN STRUCTURE SHALL BE PROVIDED UNDER THIS CONTRACT. SIGN LUMINAIRES, DISCONNECT SWITCH, WIRING AND CONNECTIONS SHALL BE PROVIDED BY OTHERS UNDER CONTRACT 62583.



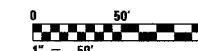
FOUNDATION FOR 6 OIJ3
NOTE 4

2" CNC IN TRENCH,
537 LF

(6)-4" CNC CONCRETE ENCASED,
REINFORCED 30 LF, NOTE 6



(2)-4" CNC CONCRETE ENCASED,
REINFORCED 10 LF, ITS



17B/EI-10

REVISIONS		
NAME	DATE	
REVISOR	5/06/05	

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

ELECTRICAL INFRASTRUCTURE PLANS
PROPOSED IMPROVEMENTS

SCALE: 1"=50'
DATE: MARCH 25, 2005

DRAWN BY: VG
CHECKED BY: TM

SINGH 300 W. ADAMS ST.
CHICAGO, IL 60606
SINGH & ASSOCIATES, INC. TEL: (312) 629-0240
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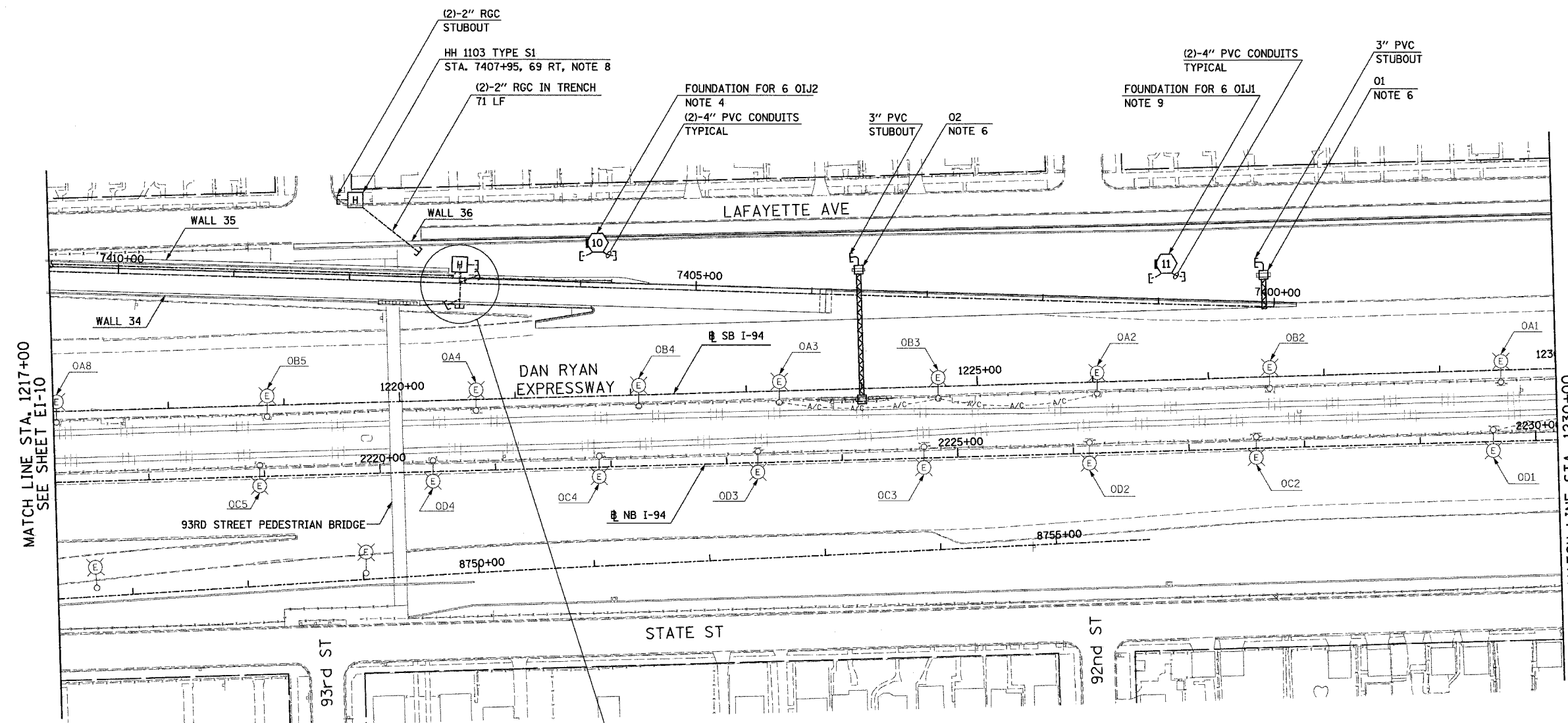
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	370
STA. 1217+00.00		TO STA. 1230+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* (1516, 1, 1717 & 1818) R-9		62695		



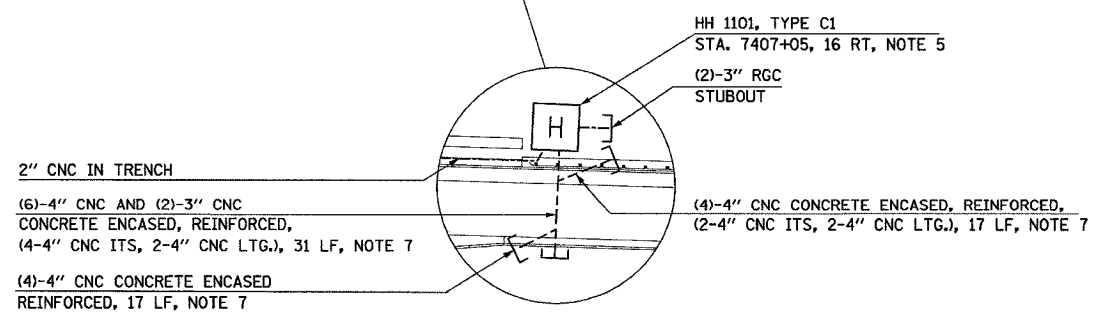
NOTES:

- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
- UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
- REFER TO STRUCTURAL DRAWINGS AND EI-104 FOR CONDUIT INSTALLATION DETAILS FOR LIGHT TOWER FOUNDATION MOUNTED ON WALL.
- REFER TO SHEET EI-107 FOR COMMUNICATIONS VAULT CI DETAILS.
- SIGN STRUCTURE SHALL BE PROVIDED UNDER THIS CONTRACT. SIGN LUMINAIRES, DISCONNECT SWITCH, WIRING AND CONNECTIONS SHALL BE PROVIDED BY OTHERS UNDER CONTRACT 62583. SIGN O1 SHALL BE LIT BEFORE RAMP AT 95th STREET IS OPEN.
- REFER TO SHEETS EI-102 AND ME-04 FOR DUCTBANK INSTALLATION DETAILS.
- REFER TO SHEETS EI-103, EI-106 AND EI-110 FOR HANDHOLE DETAILS.
- REFER TO BE-501 FOR GROUND MOUNTED TOWER FOUNDATION DETAILS. LIGHTING TOWER AND LUMINAIRES SHALL BE PROVIDED UNDER CONTRACT 62583.
- SIGN STRUCTURE SHALL BE PROVIDED UNDER THIS CONTRACT. SIGN LUMINAIRES, DISCONNECT SWITCH, WIRING AND CONNECTIONS SHALL BE PROVIDED BY OTHERS UNDER CONTRACT 62583. SIGN O2 SHALL BE LIT BEFORE EXISTING SIGN O2 IS DISCONNECTED



MATCH LINE STA. 1217+00
SEE SHEET EI-10

MATCH LINE STA. 1230+00
SEE SHEET EI-12



17B/EI-11

SINGH 300 W. ADAMS ST.
CHICAGO, IL 60606
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REVISIONS	
NAME	DATE
REVISOR	5/06/05

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

ELECTRICAL INFRASTRUCTURE PLANS
PROPOSED IMPROVEMENTS

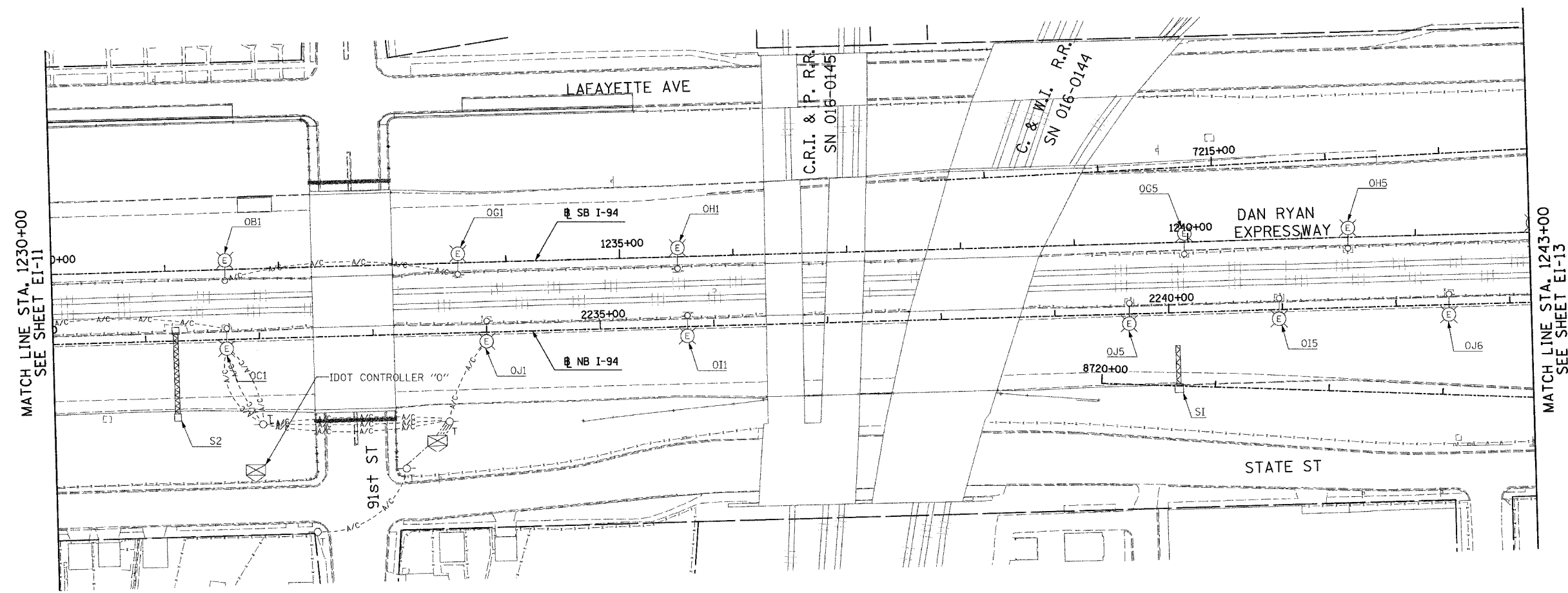
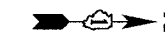
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DATE: MARCH 25, 2005 CHECKED BY: TM

10:30:26 AM 5/6/2005

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	371
STA. 1230+00.00 TO STA. 1243+00.00		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		(1516, 11717 & 1818) R-9		
				62695

NOTES:

- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.



MATCH LINE STA. 1230+00
SEE SHEET EI-11

MATCH LINE STA. 1243+00
SEE SHEET EI-13



17B/EI-12

NO ELECTRICAL WORK ON THIS SHEET
FOR REFERENCE ONLY

SINGH 300 W. ADAMS ST.
CHICAGO, IL 60606
SINGH & ASSOCIATES, INC. TEL: (312) 629-0240
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REVISIONS	
NAME	DATE
REVISED	5/06/05

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

ELECTRICAL INFRASTRUCTURE PLANS
PROPOSED IMPROVEMENTS

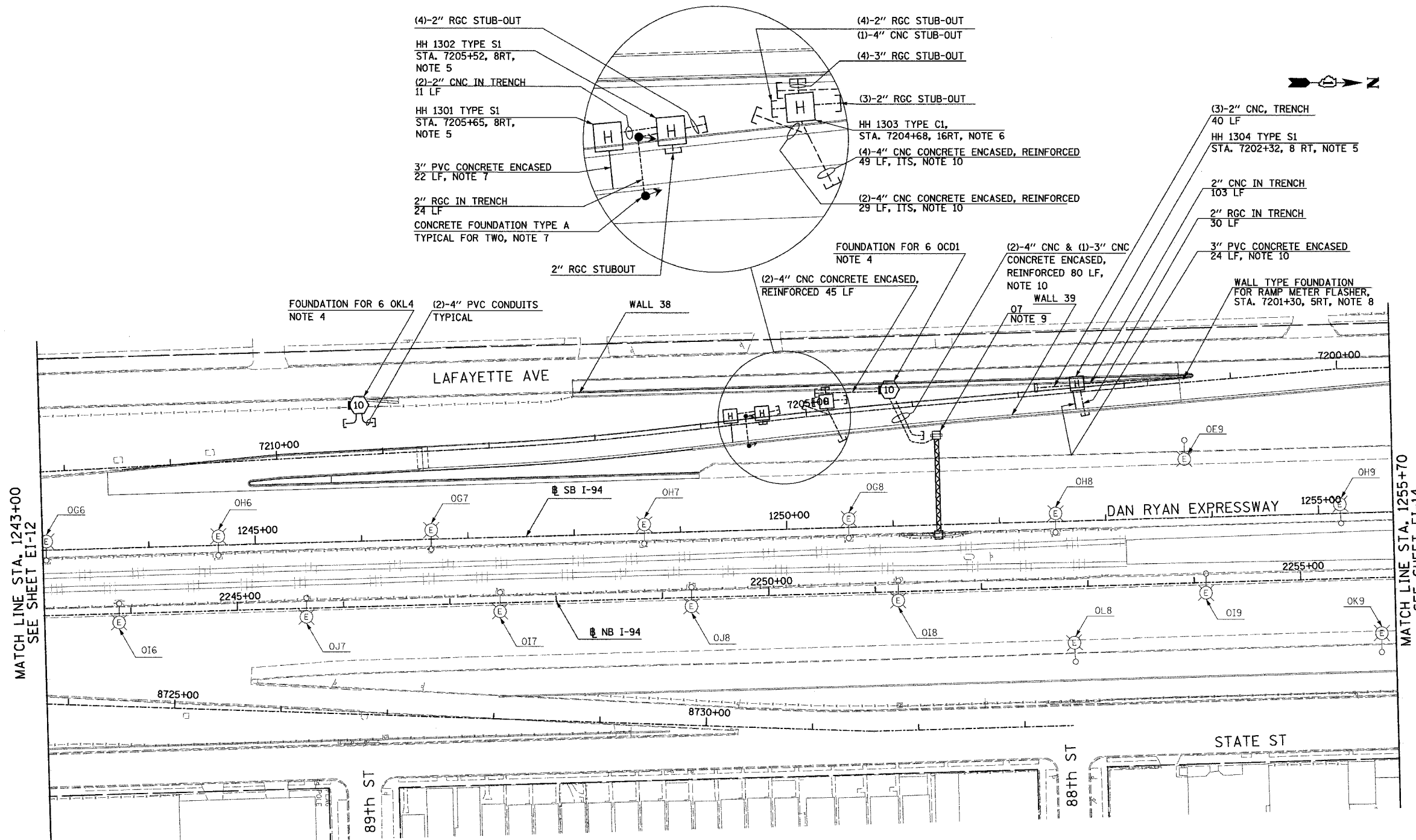
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DATE: MARCH 25, 2005 CHECKED BY: TM

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	907	372
STA. 1243+00.00 TO STA. 1255+70.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
• (1516.1,1717 & 1818) R-9			62695	

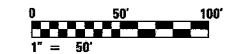
NOTES:

- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
- UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
- REFER TO STRUCTURAL DRAWINGS AND EI-104 FOR CONDUIT INSTALLATION DETAILS FOR LIGHT TOWER FOUNDATION MOUNTED ON WALL.
- REFER TO SHEETS EI-103, EI-106 AND EI-110 FOR HANDHOLE DETAILS.
- REFER TO SHEET EI-107 FOR COMMUNICATIONS VAULT C1 DETAILS.
- REFER TO SHEETS EI-106, EI-110 AND EI-114 FOR RAMP METERING DETAILS.
- REFER TO SHEET EI-XX FOR FLASHER WALL TYPE FOUNDATION DETAIL.
- SIGN STRUCTURE SHALL BE PROVIDED UNDER THIS CONTRACT. SIGN LUMINAIRES, DISCONNECT SWITCH, WIRING AND CONNECTIONS SHALL BE PROVIDED UNDER CONTRACT 62583.
- REFER TO SHEETS EI-102 AND ME-04 FOR DUCTBANK INSTALLATION DETAILS.



MATCH LINE STA. 1243+00
SEE SHEET EI-12

MATCH LINE STA. 1255+70
SEE SHEET EI-14



17B/EI-13

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

REVISIONS	
NAME	DATE
REVISED	5/06/05

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

ELECTRICAL INFRASTRUCTURE PLANS
PROPOSED IMPROVEMENTS

SCALE: 1"=50' DRAWN BY: VG
DATE: MARCH 25, 2005 CHECKED BY: TM

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	373
STA. 1255+70.00		TO STA. 1269+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (1516.1, 1717 & 1818) R-9		62695		

NOTES:

- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
- UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
- REFER TO BE-501 FOR GROUND MOUNTED TOWER FOUNDATION DETAILS. LIGHTING TOWER AND LUMINAIRES SHALL BE PROVIDED UNDER CONTRACT 62583.
- REFER TO SHEETS EI-106 AND EI-110 FOR DETAILS.
- REFER TO SHEETS EI-103, EI-106 AND EI-110 FOR HANDHOLE DETAILS.
- REFER TO SHEETS EI-102 AND ME-04 FOR DUCTBANK INSTALLATION DETAILS.

HH 1403 TYPE S1
STA. 7187+60, 14RT, NOTE 6

2" RGC STUBOUT

(6)-4" CNC AND (2)-2" CNC CONCRETE ENCASED, REINFORCED,
(3)-4" CNC ITS, 3-4" CNC LTG.), 34 LF, NOTE 7

(2)-2" RGC AND (1)-4" PVC
STUBOUTS

(3)-4" CNC, CONCRETE ENCASED, REINFORCED
10 LF, (LTG.), NOTE 7

2" RGC STUB-OUT

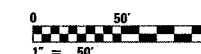
HH 1402 TYPE S1
STA. 7188+36, 8 RT, NOTE 5
3" PVC CONCRETE ENCASED
24 LF, NOTE 5

FOUNDATION FOR 6 OCD2
NOTE 4

(2)-4" PVC CONDUITS
TYPICAL

MATCH LINE STA. 1255+70
SEE SHEET EI-13

MATCH LINE STA. 1269+00
SEE SHEET EI-15



17B/EI-14

REVISIONS		
NO.	NAME	DATE
1	REVISED	5/06/05

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

ELECTRICAL INFRASTRUCTURE PLANS
PROPOSED IMPROVEMENTS

SCALE: 1"=50' DRAWN BY: VG
DATE: MARCH 25, 2005 CHECKED BY: TM

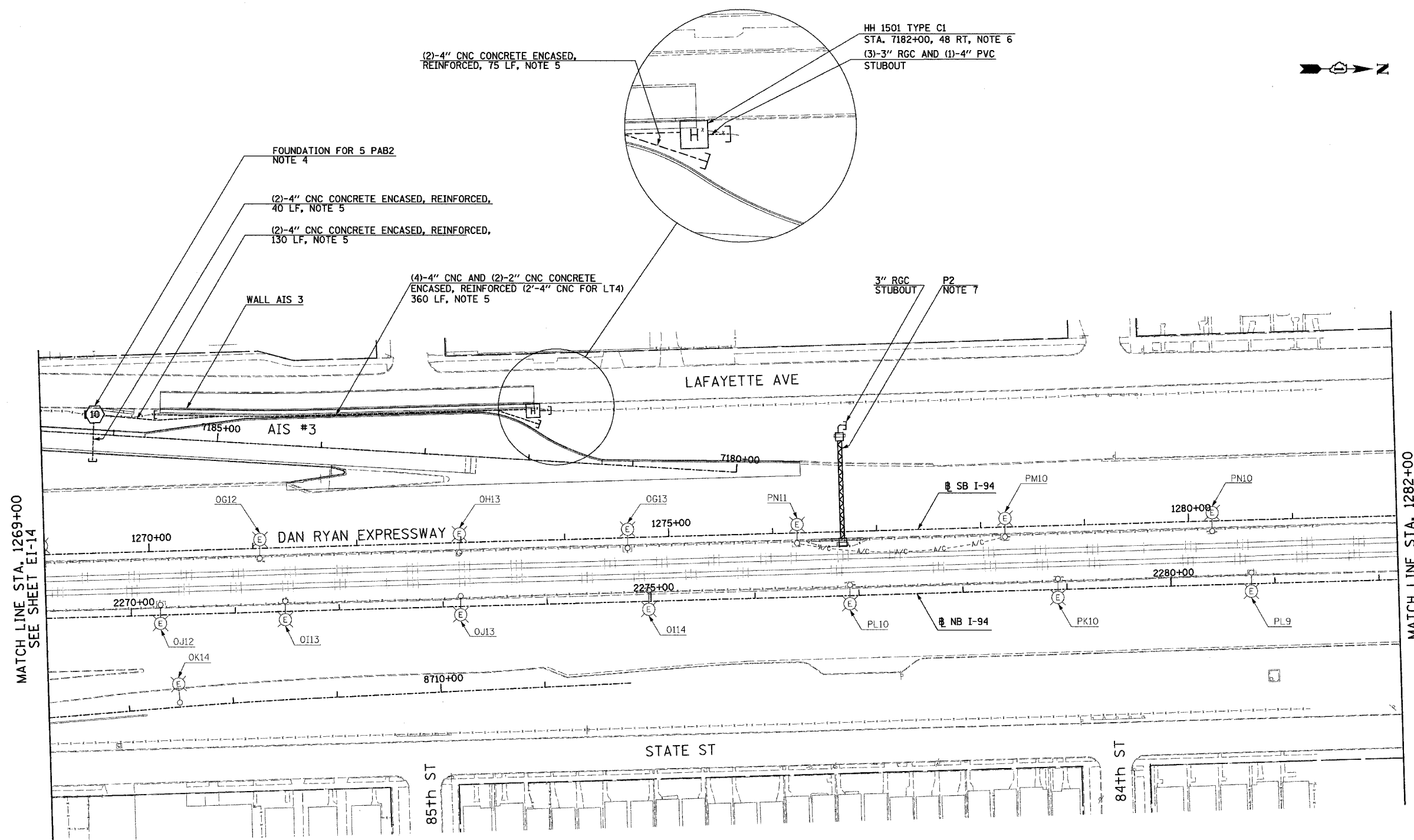
SINGH 300 W. ADAMS ST.
CHICAGO, IL 60606
SINGH & ASSOCIATES, INC. TEL: (312) 629-0240
CONSULTING ENGINEERS FAX: (312) 629-8449

5/16/2005 10:41:38 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	374
STA. 1269+00.00 TO STA. 1282+00.00				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		62695	
* (1516.1, 1717 & 1818) R-9				

NOTES:

- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
- UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
- REFER TO STRUCTURAL DRAWINGS AND EI-104 FOR CONDUIT INSTALLATION DETAILS FOR LIGHT TOWER FOUNDATION MOUNTED ON WALL.
- REFER TO SHEETS EI-102 AND ME-04 FOR DUCTBANK INSTALLATION DETAILS.
- REFER TO SHEET EI-107 FOR COMMUNICATIONS VAULT C1 DETAILS.
- SIGN STRUCTURE SHALL BE PROVIDED UNDER THIS CONTRACT. SIGN LUMINAIRES, DISCONNECT SWITCH, WIRING AND CONNECTIONS SHALL BE PROVIDED BY OTHERS UNDER SEPARATE CONTRACT 62583.



MATCH LINE STA. 1269+00
SEE SHEET EI-14

MATCH LINE STA. 1282+00
SEE SHEET EI-16



17B/EI-15

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

REVISIONS	
NAME	DATE
REVISED	5/06/05

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

ELECTRICAL INFRASTRUCTURE PLANS
PROPOSED IMPROVEMENTS

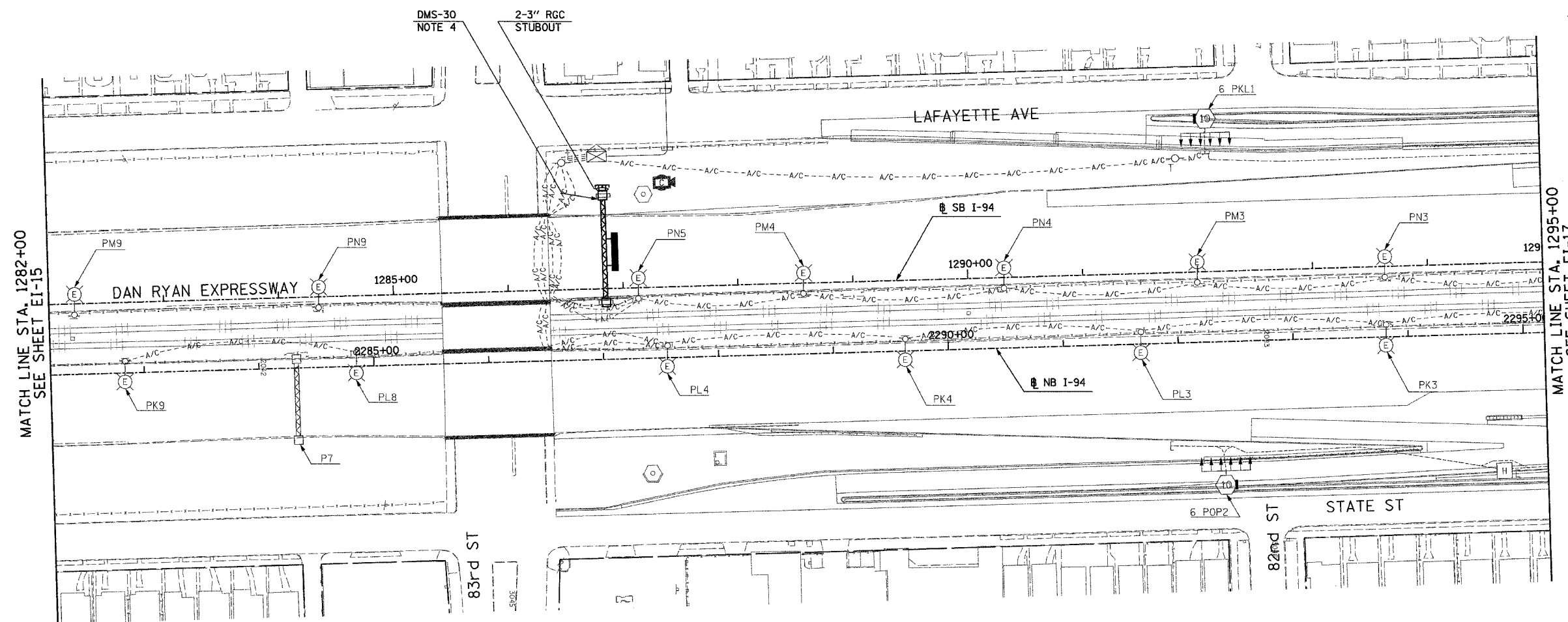
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DATE: MARCH 25, 2005 CHECKED BY: TM

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	907	375
STA. 1282+00.00 TO STA. 1295+00.00				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
(1516.1, 1717 & 1818) R-9				62695

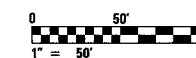
NOTES:

- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- COORDINATE ALL WORK WITH IDOT CONTRACT 62583 AND 62694.
- UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
- PROVIDE 2-3" RGC CONDUITS IN DMS-30 FOUNDATION FOR ELECTRICAL CABLE TO BE PROVIDED UNDER CONTRACT 62583.



MATCH LINE STA. 1295+00
SEE SHEET EI-17

MATCH LINE STA. 1282+00
SEE SHEET EI-15



17B/EI-16

REVISIONS	
NAME	DATE
REVISOR	5/06/05

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

ELECTRICAL INFRASTRUCTURE PLANS
PROPOSED IMPROVEMENTS

SCALE: 1"=50' DRAWN BY: VG
DATE: MARCH 25, 2005 CHECKED BY: TM

SINGH
SINGH & ASSOCIATES, INC.
CONSULTING ENGINEERS

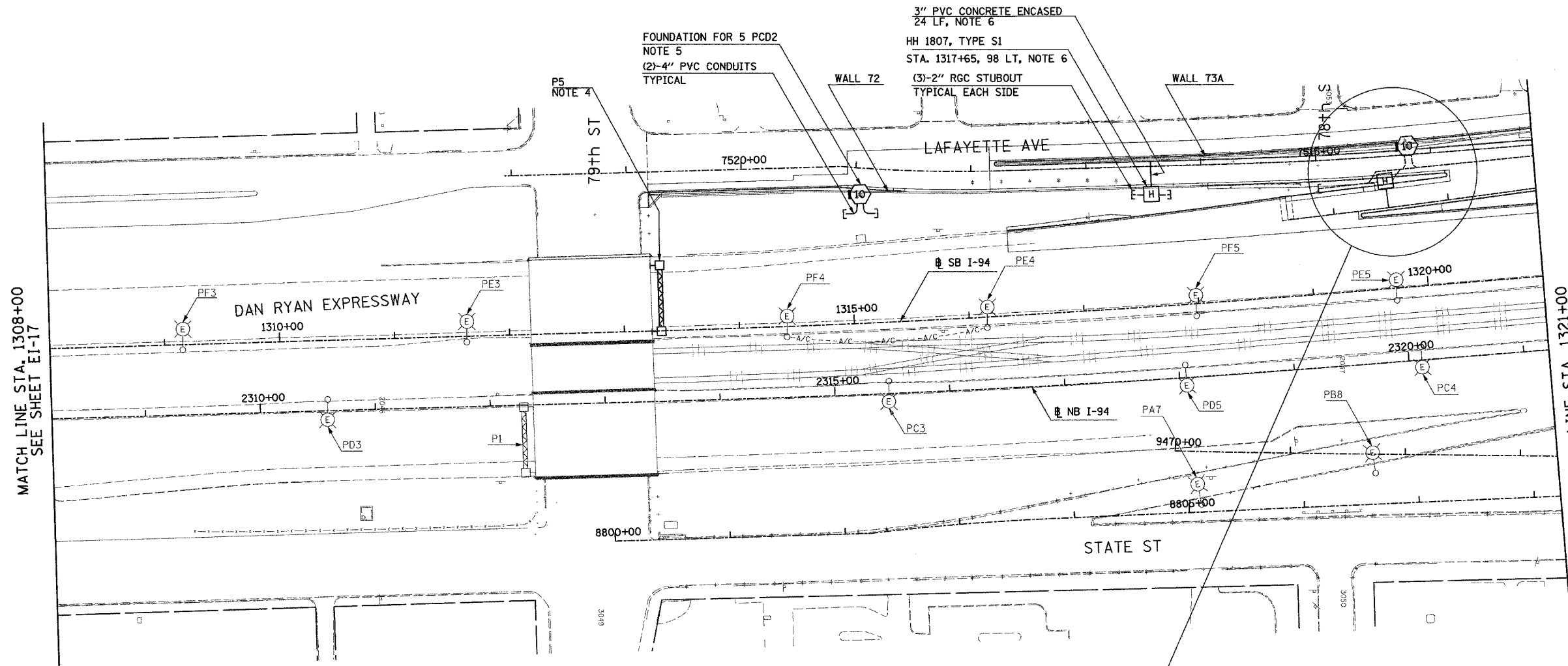
300 W. ADAMS ST.
CHICAGO, IL 60606
TEL: (312) 629-0240
FAX: (312) 629-8449

5/16/2005 11:31:30 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	377
STA. 1308+00.00		TO STA. 1321+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (1516, 1, 1717 & 1818) R-9		62695		

NOTES:

- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
- UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
- SIGN STRUCTURE SHALL BE PROVIDED UNDER THIS CONTRACT. SIGN LUMINAIRES, DISCONNECT SWITCH, WIRING AND CONNECTIONS SHALL BE PROVIDED UNDER CONTRACT 62583.
- REFER TO STRUCTURAL DRAWINGS AND EI-104 FOR CONDUIT INSTALLATION DETAILS FOR LIGHT TOWER FOUNDATION MOUNTED ON WALL.
- REFER TO SHEETS EI-106 AND EI-110 FOR DETAILS.
- REFER TO SHEETS EI-102 AND ME-04 FOR DUCTBANK INSTALLATION DETAILS.



MATCH LINE STA. 1308+00
SEE SHEET EI-17

MATCH LINE STA. 1321+00
SEE SHEET EI-19

FOUNDATION FOR 5 PCD2
NOTE 5
(2)-4" PVC CONDUITS
TYPICAL

3" PVC CONCRETE ENCASED
24 LF, NOTE 6

HH 1807, TYPE S1
STA. 1317+65, 98 LT, NOTE 6

(3)-2" RGC STUBOUT
TYPICAL EACH SIDE

FOUNDATION FOR 5 RAB3
NOTE 5

(2)-4" CNC, CONCRETE ENCASED,
REINFORCED, 25 LF, NOTE 7

(5)-4" CNC CONCRETE ENCASED,
REINFORCED, 34 LF, NOTE 7

(5)-4" CNC AND (3)-2" CNC CONCRETE
ENCASED, REINFORCED, 44 LF, NOTE 7

(2)-4" CNC, CONCRETE ENCASED,
REINFORCED, 25 LF, NOTE 7

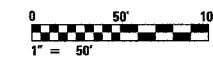
(5)-4" CNC AND (3)-2" CNC CONCRETE
ENCASED, REINFORCED, 44 LF, NOTE 7

(3)-4" CNC AND (3)-2" CNC, CONCRETE
ENCASED, REINFORCED, 16 LF, NOTE 7

(3)-2" RGC, CONCRETE ENCASED, REINFORCED,
10 LF, EACH SIDE OF HANDHOLE, NOTE 7

HH 1826, TYPE S1, SPECIAL
STA. 1319+70, 92 LT, NOTE 6

3" PVC CONCRETE ENCASED,
24 LF, NOTE 6



17B/EI-18

REVISIONS	
NAME	DATE
REVISION	5/06/05

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

ELECTRICAL INFRASTRUCTURE PLANS
PROPOSED IMPROVEMENTS

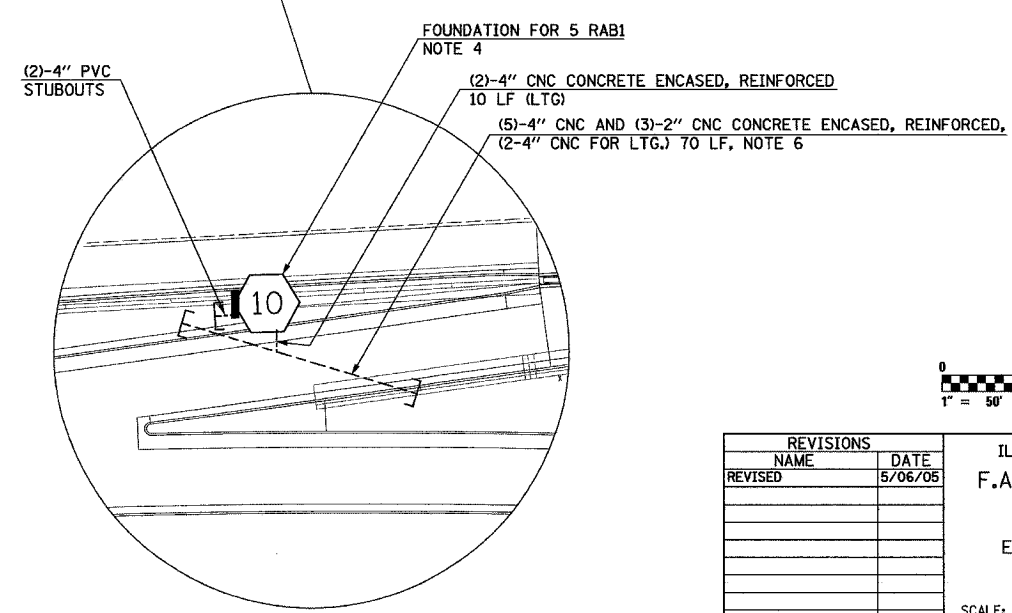
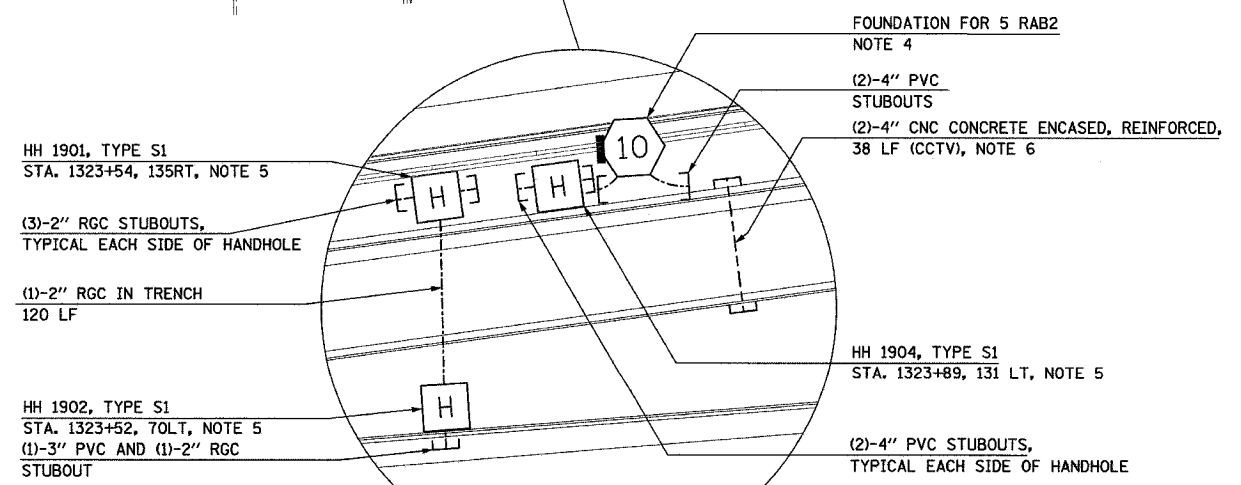
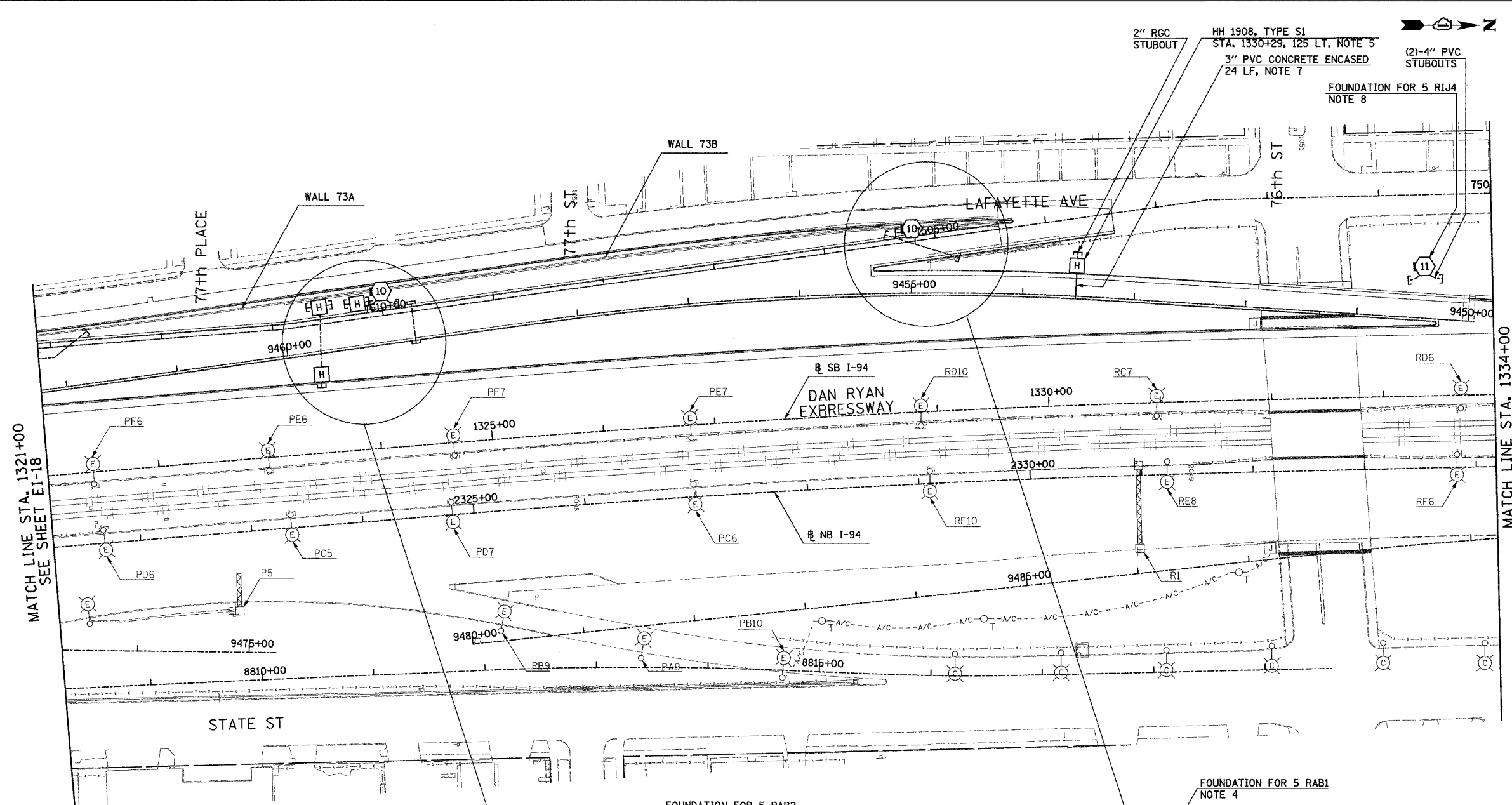
SCALE: 1"=50' DRAWN BY: VG
DATE: MARCH 25, 2005 CHECKED BY: TM

SINGH 300 W. ADAMS ST.
CHICAGO, IL 60606
SINGH & ASSOCIATES, INC. TEL: (312) 629-0240
CONSULTING ENGINEERS FAX: (312) 629-8448

5/16/2005 12:35:05 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	907	378
STA. 1321+00.00		TO STA. 1334+00.00		378
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		62695
(1516,1,1717 & 1818) R-9				

- NOTES:**
- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 - COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
 - UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
 - REFER TO STRUCTURAL DRAWINGS AND EI-104 FOR CONDUIT INSTALLATION DETAILS FOR LIGHT TOWER FOUNDATION MOUNTED ON WALL.
 - REFER TO SHEETS EI-103, EI-106 AND EI-110 FOR HANDHOLE DETAILS.
 - REFER TO SHEETS EI-102 AND ME-04 FOR DUCTBANK INSTALLATION DETAILS.
 - REFER TO SHEETS EI-106 AND EI-110 FOR DETAILS.
 - REFER TO STRUCTURAL DRAWINGS FOR CONDUIT INSTALLATION DETAILS FOR LIGHT TOWER FOUNDATIONS GROUND MOUNTED.



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

REVISIONS		
NO.	NAME	DATE
1	REVISOR	5/06/05



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

ELECTRICAL INFRASTRUCTURE PLANS
PROPOSED IMPROVEMENTS

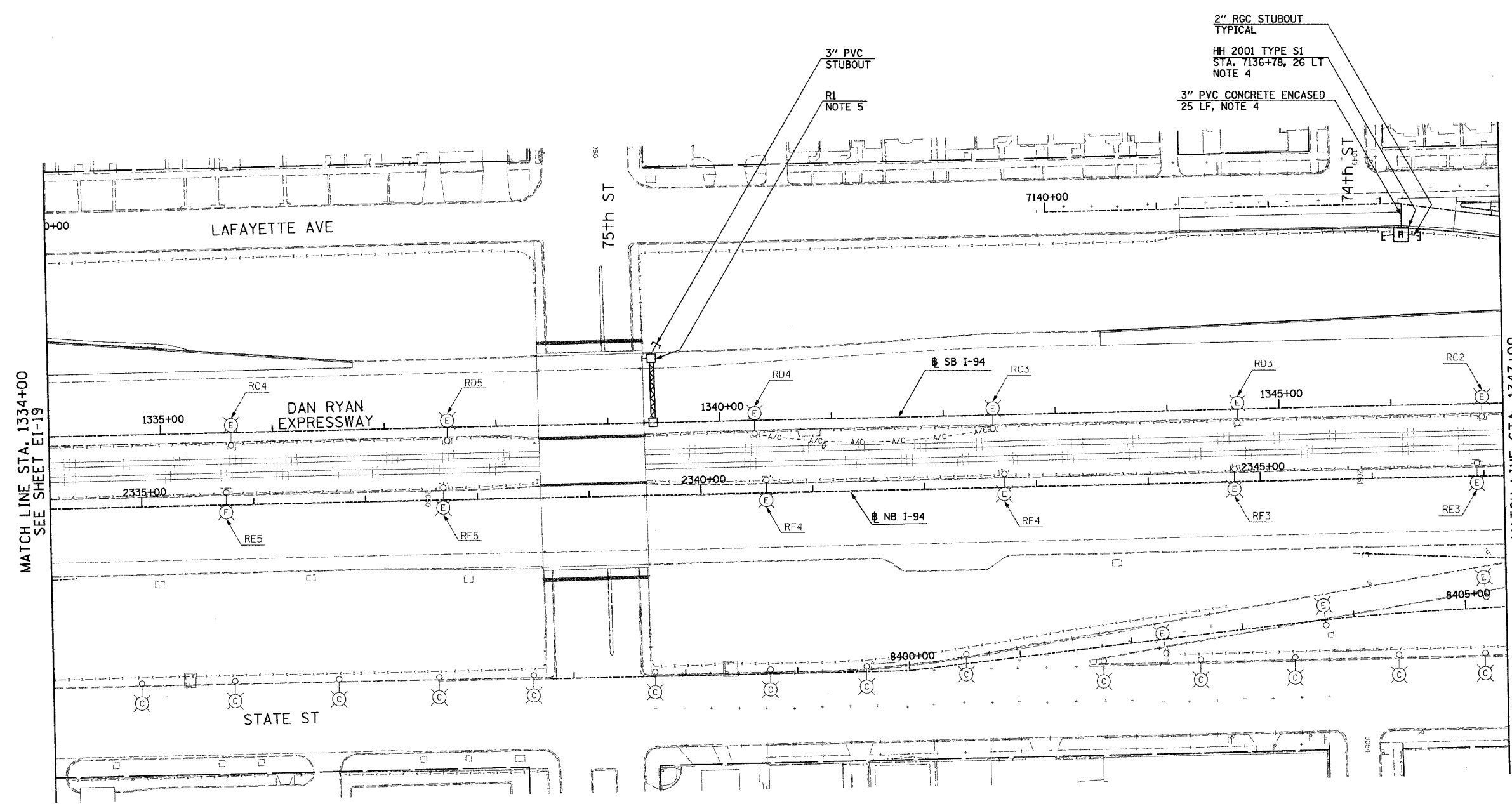
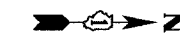
SCALE: 1"=50' DRAWN BY: VG
DATE: MARCH 25, 2005 CHECKED BY: TM

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	379
STA. 1334+00.00		TO STA. 1347+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
(1516.1, 1717 & 1818) R-9		62695		

NOTES:

- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
- UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
- REFER TO SHEETS EI-106 AND EI-110 FOR DETAILS.
- SIGN STRUCTURE SHALL BE PROVIDED UNDER THIS CONTRACT. SIGN LUMINAIRES, DISCONNECT SWITCH, WIRING AND CONNECTIONS TO BE PROVIDED BY OTHERS UNDER CONTRACT 62583.



MATCH LINE STA. 1334+00
SEE SHEET EI-19

MATCH LINE STA. 1347+00
SEE SHEET EI-21



17B/EI-20

REVISIONS	
NAME	DATE
REVISOR	5/06/05

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

ELECTRICAL INFRASTRUCTURE PLANS
PROPOSED IMPROVEMENTS

SCALE: 1"=50' DRAWN BY: VG
DATE: MARCH 25, 2005 CHECKED BY: TM

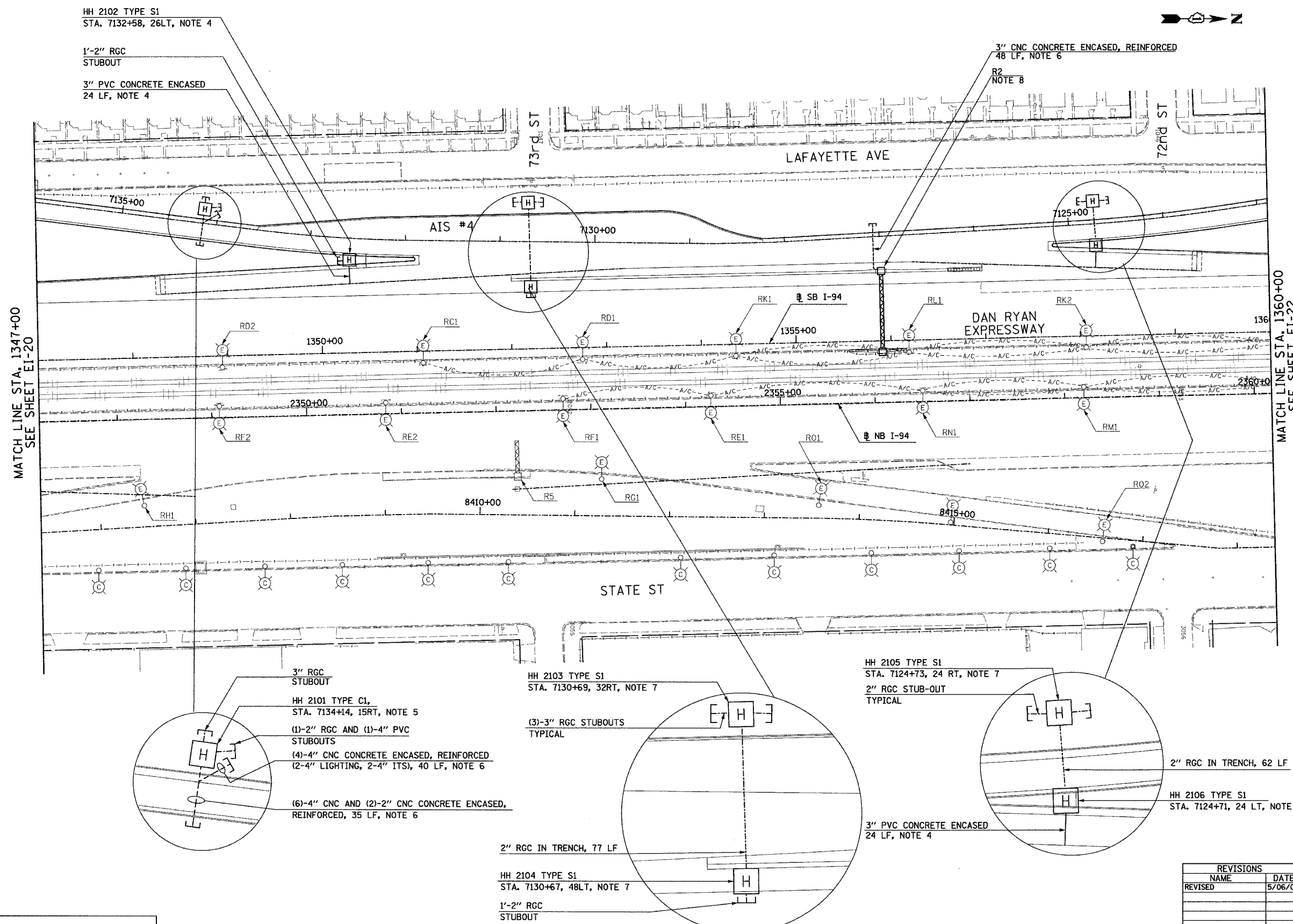
SINGH
SINGH & ASSOCIATES, INC.
CONSULTING ENGINEERS
300 W. ADAMS ST.
CHICAGO, IL 60606
TEL: (312) 629-0240
FAX: (312) 629-8449

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	380
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
(1516.1, 1717 & 1818) R-9		62695		

NOTES:

- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
- UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
- REFER TO SHEETS EI-106 AND EI-110 FOR DETAILS..
- REFER TO SHEET EI-107 FOR COMMUNICATIONS VAULT CI DETAILS
- REFER TO SHEETS EI-102 AND ME-04 FOR DUCTBANK INSTALLATION DETAILS.
- REFER TO SHEETS EI-103, EI-106 AND EI-110 FOR HANDHOLE DETAILS.
- SIGN STRUCTURE SHALL BE PROVIDED UNDER THIS CONTRACT. SIGN LUMINAIRES, DISCONNECT SWITCH, WIRING AND CONNECTIONS SHALL BE PROVIDED UNDER CONTRACT 62583.



MATCH LINE STA. 1347+00
SEE SHEET EI-20

MATCH LINE STA. 1360+00
SEE SHEET EI-22

HH 2102 TYPE S1
STA. 7132+58, 26LT, NOTE 4
1'-2" RGC
STUBOUT
3" PVC CONCRETE ENCASED
24 LF, NOTE 4

3" CNC CONCRETE ENCASED, REINFORCED
48 LF, NOTE 6
R2
NOTE 8

3" RGC
STUBOUT
HH 2101 TYPE C1,
STA. 7134+14, 15RT, NOTE 5
(1)-2" RGC AND (1)-4" PVC
STUBOUTS
(4)-4" CNC CONCRETE ENCASED, REINFORCED
(2-4" LIGHTING, 2-4" ITS), 40 LF, NOTE 6
(6)-4" CNC AND (2)-2" CNC CONCRETE ENCASED,
REINFORCED, 35 LF, NOTE 6

HH 2103 TYPE S1
STA. 7130+69, 32RT, NOTE 7
(3)-3" RGC STUBOUTS
TYPICAL

HH 2105 TYPE S1
STA. 7124+73, 24 RT, NOTE 7
2" RGC STUB-OUT
TYPICAL

2" RGC IN TRENCH, 62 LF
HH 2106 TYPE S1
STA. 7124+71, 24 LT, NOTE 7

2" RGC IN TRENCH, 77 LF

HH 2104 TYPE S1
STA. 7130+67, 48LT, NOTE 7
1'-2" RGC
STUBOUT

3" PVC CONCRETE ENCASED
24 LF, NOTE 4



17B/EI-21

REVISIONS	
NAME	DATE
REVISED	5/06/05

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

ELECTRICAL INFRASTRUCTURE PLANS
PROPOSED IMPROVEMENTS

SCALE: 1"=50' DRAWN BY: VG
DATE: MARCH 25, 2005 CHECKED BY: TM

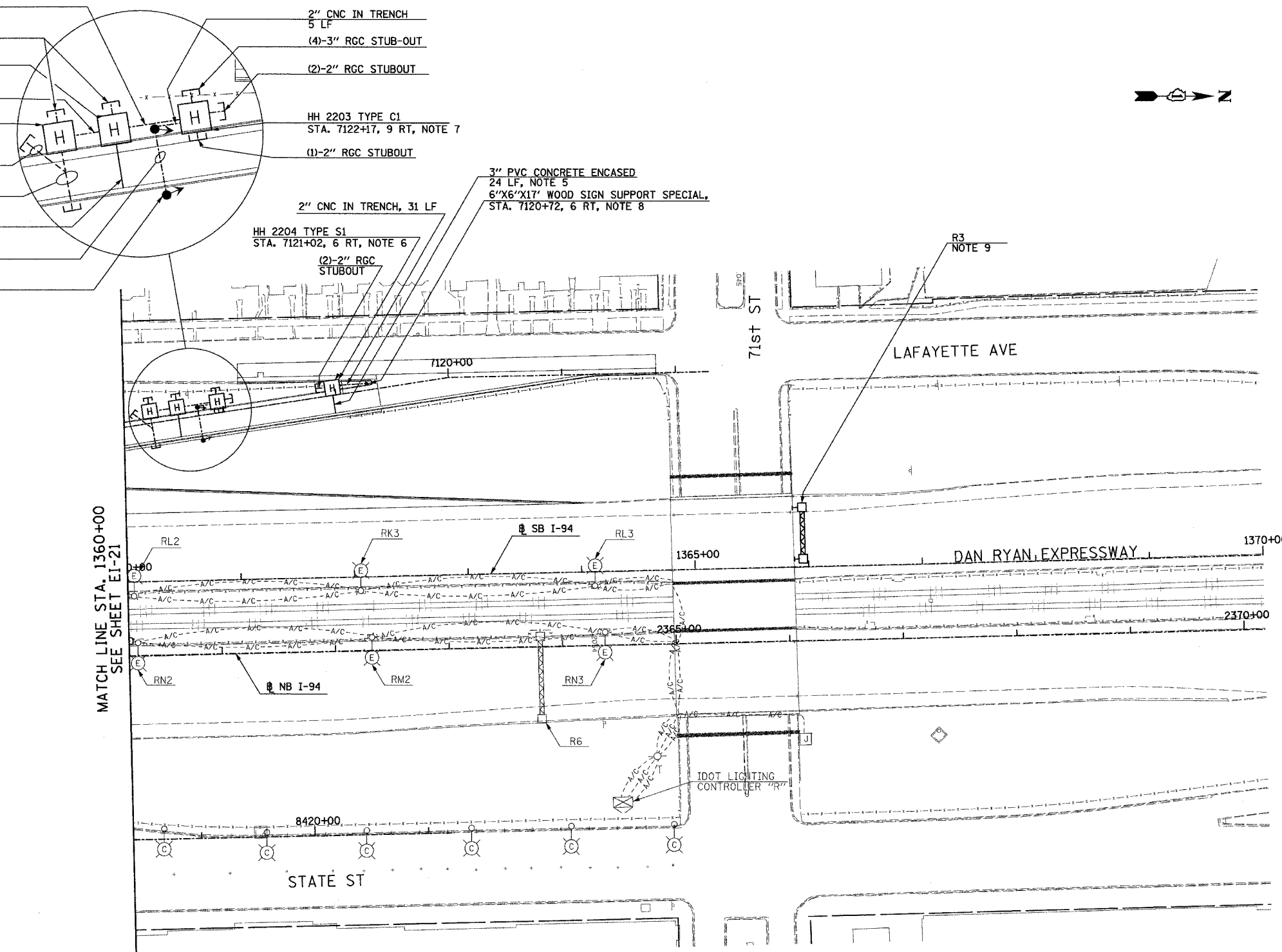
SINGH 300 W. ADAMS ST.
CHICAGO, IL 60606
SINGH & ASSOCIATES, INC. TEL: (312) 629-0240
CONSULTING ENGINEERS FAX: (312) 629-8449

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	381
STA. 1360+00.00 TO STA. 1366+00.00				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
(1516,1,1717 & 1818) R-9			62695	

- (2)-2" CNC AND (1)-3" CNC IN TRENCH
11 LF
- 2" RGC STUBOUT (TYPICAL)
- HH 2202 TYPE S1
STA. 7122+30, 9 RT, NOTE 6
- 3" CNC IN TRENCH
32 LF
- HH 2201 TYPE C1
STA. 7122+64, 9 RT, NOTE 7
- (4)-4" CNC CONCRETE ENCASED, REINFORCED,
(2)-4" ITS, 2'-4" LTG.) 17 LF, NOTE 4
- (6)-4" CNC CONCRETE ENCASED, REINFORCED
(ITS), 35 LF, NOTE 4
- 3" PVC CONCRETE ENCASED
24 LF, NOTE 5
- 2" RGC IN TRENCH
29 LF
- CONCRETE FOUNDATION TYPE A
TYPICAL FOR TWO, NOTE 5

- 2" CNC IN TRENCH
5 LF
- (4)-3" RGC STUB-OUT
- (2)-2" RGC STUBOUT
- HH 2203 TYPE C1
STA. 7122+17, 9 RT, NOTE 7
- (1)-2" RGC STUBOUT
- 3" PVC CONCRETE ENCASED
24 LF, NOTE 5
- 6"X6"X17' WOOD SIGN SUPPORT SPECIAL,
STA. 7120+72, 6 RT, NOTE 8
- 2" CNC IN TRENCH, 31 LF
- HH 2204 TYPE S1
STA. 7121+02, 6 RT, NOTE 6
- (2)-2" RGC STUBOUT



- NOTES:**
1. SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 2. COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62694.
 3. UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
 4. REFER TO SHEETS EI-102 AND ME-04 FOR DUCTBANK INSTALLATION DETAILS.
 5. REFER TO SHEETS EI-106, EI-110, AND EI-113 FOR RAMP METERING DETAILS.
 6. REFER TO SHEETS EI-103, EI-106 AND EI-110 FOR HANDHOLE DETAILS.
 7. REFER TO SHEET EI-107 FOR COMMUNICATIONS VAULT C1 DETAILS.
 8. REFER TO SHEET EI-112 FOR WOOD SIGN SUPPORT DETAILS.
 9. SIGN STRUCTURE SHALL BE PROVIDED UNDER THIS CONTRACT. SIGN LUMINAIRES, DISCONNECT SWITCH, WIRING AND CONNECTIONS TO BE PROVIDED BY OTHERS UNDER CONTRACT 62583.

MATCH LINE STA. 1360+00
SEE SHEET EI-21



17B/EI-22

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

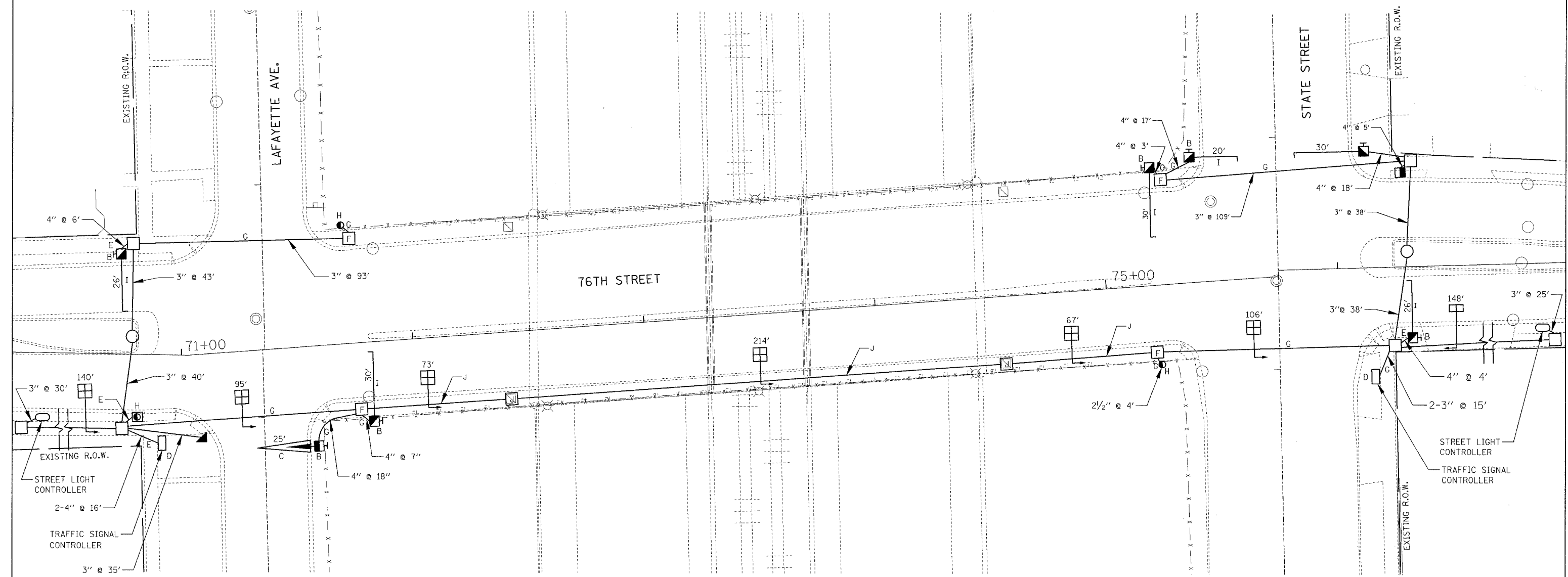
REVISIONS	
NAME	DATE
REVISED	5/06/05

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

ELECTRICAL INFRASTRUCTURE PLANS
PROPOSED IMPROVEMENTS

SCALE: 1"=50' DRAWN BY: VG
DATE: MARCH 25, 2005 CHECKED BY: TM

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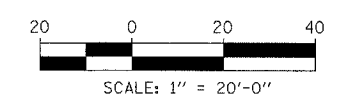
TRAFFIC SIGNAL REMOVAL NOTES

- A REMOVE TRAFFIC SIGNAL PEDESTAL AND POST AND BREAK DOWN FOUNDATION
- B REMOVE POLE, CITY STEEL, 34'-6", AND FOUNDATION
- C REMOVE MAST ARM, TRUSS, ALUMINUM
- D REMOVE CONTROLLER CABINET PEDESTAL AND POST, BREAKDOWN FOUNDATION COMPLETE
- E REMOVE EXISTING CITY CONDUIT AND/OR DUCT
- F REMOVE MANHOLE
- G ABANDON EXISTING CITY CONDUIT AND/OR DUCT
- H REMOVE POLE, CITY STEEL, 29'-6", AND FOUNDATION
- I REMOVE MONOTUBE MAST ARM
- J SEE 76TH STREET OVERPASS LIGHTING CONDUIT REMOVAL PLANS

NOTES:

THE CONTRACTOR SHALL REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT AT EACH INTERSECTION ON THE EAST AND WEST ENDS OF THE BRIDGE, STATE ST. AND LAFAYETTE AVE., AS SHOWN IN THE PLANS. TRAFFIC SIGNAL EQUIPMENT SHALL INCLUDE, BUT IS NOT LIMITED TO: THE CONTROLLER AND FOUNDATION, POLES AND FOUNDATIONS, MAST ARMS, SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND PUSH BUTTONS, MESSAGE SIGNS, WIRE AND CABLE. ONCE POWER TO THE EQUIPMENT HAS BEEN DISCONNECTED, THE EQUIPMENT SHALL BE REMOVED AND SALVAGED IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS.

THE CONTRACTOR IS CAUTIONED THAT ELECTRIC CONDUITS MAY CONTAIN ASBESTOS AND THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SUCH CONDUITS PROPERLY.



REVISIONS	
NAME	DATE

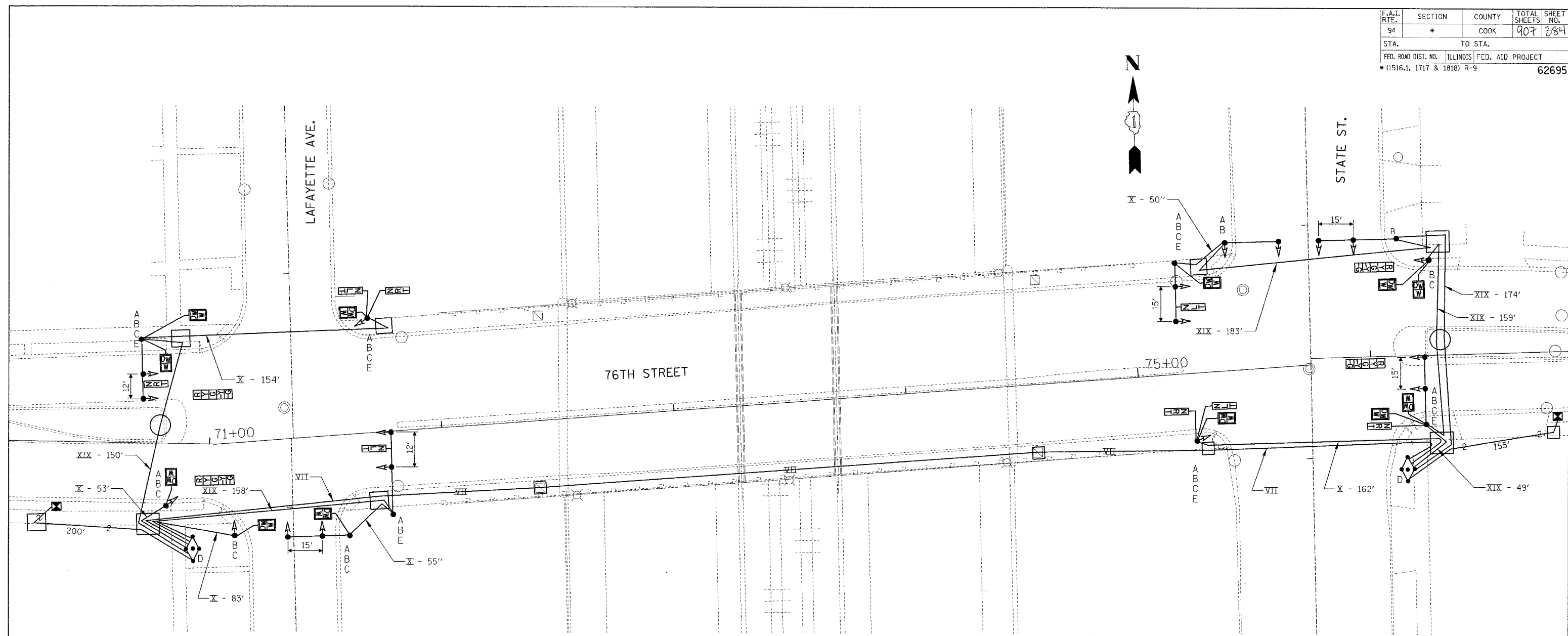
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
76TH STREET AT LAFAYETTE AVE. & STATE ST.
EXISTING FOUNDATION & CONDUIT PLAN

SCALE: AS SHOWN DRAWN BY: BSB
 DATE: MARCH 25, 2005 CHECKED BY: WHI

FILE: L:\65962_02_Cad\Drawings\Traffic\Signs\65962_02_Signs_L03P



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	284
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (1516.1, 1717 & 1818) R-9		62695		

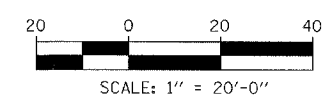


TRAFFIC SIGNAL REMOVAL NOTES

- A REMOVE TRAFFIC SIGNAL POLE AND BREAK DOWN FOUNDATION (9)
- B REMOVE TRAFFIC SIGNAL (19)
- C REMOVE PEDESTRAIN SIGNAL "WALK/DON'T WALK" (12)
- D REMOVE CONTROLLER CABINET, PEDESTAL, AND POST, BREAK DOWN FOUNDATION COMPLETE (2)
- E REMOVE ILLUMINATED SIGN WITH MESSAGE OR SYMBOL AS INDICATED (8)
- F REMOVE TRAFFIC PEDESTAL AND POST AND BREAK DOWN FOUNDATION (1)

NOTE:

EXISTING WIRE AND CABLE SHALL BE REMOVED FROM EACH SIGNAL DEVICE MARKED FOR REMOVAL THRU MANHOLES AND HANDHOLES TO THE CONTROLLER.



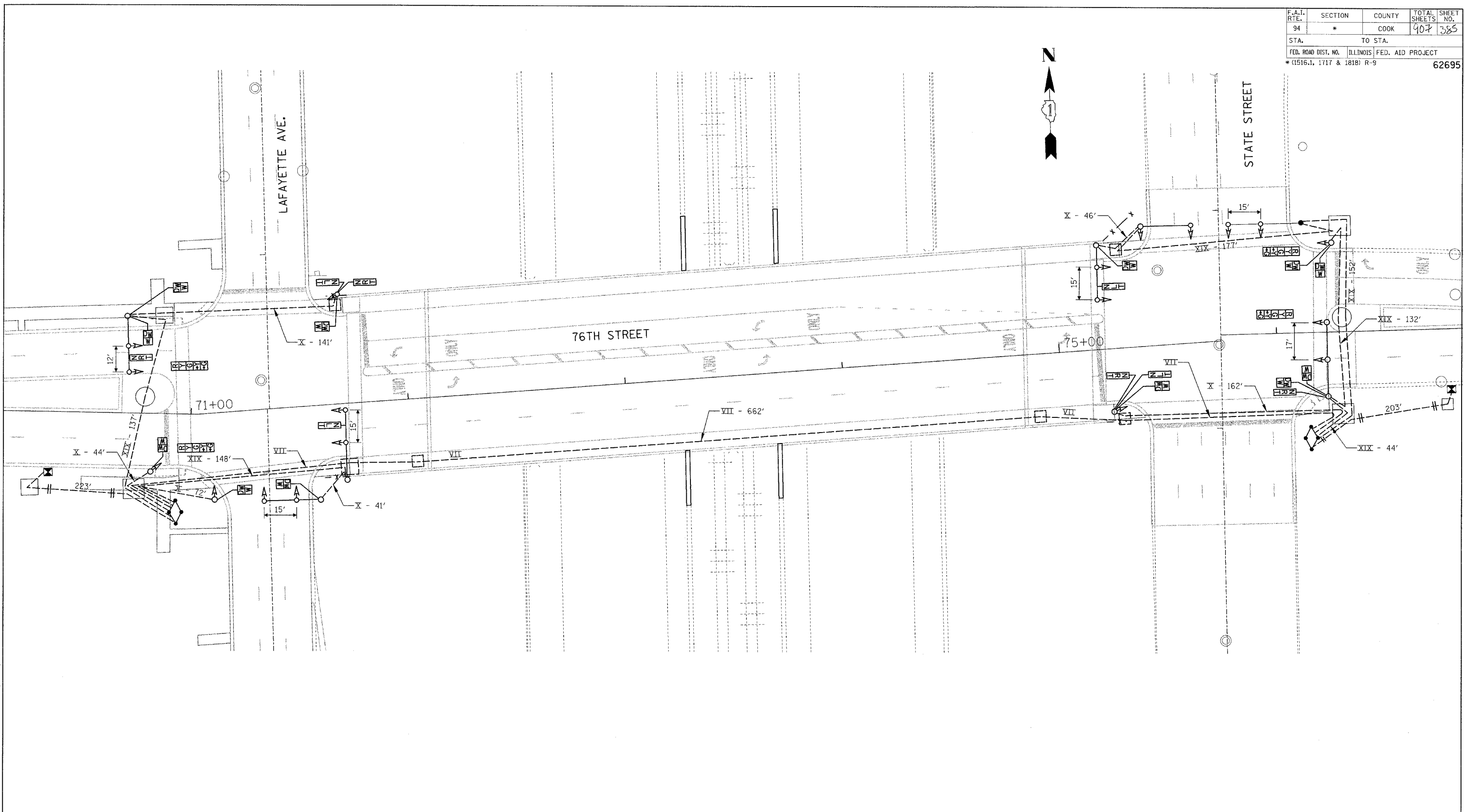
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
76TH STREET AT LAFAYETTE AVE. & STATE ST.
EXISTING CABLE AND SIGNAL PLAN

SCALE: AS SHOWN DRAWN BY: BSB
 DATE: MARCH 25, 2005 CHECKED BY: WHI

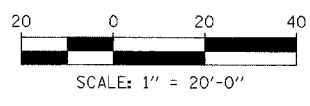
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	407	385
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*(1516.1, 1717 & 1818) R-9		62695		



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KNIGHT
Engineers & Architects



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
**76TH STREET AT
LAFAYETTE AVE. & STATE ST.
PROPOSED CABLE AND SIGNAL PLAN**

SCALE: AS SHOWN
DATE: MARCH 25, 2005

DRAWN BY: BSB
CHECKED BY: WHI

LOCATE TEMP WOOD POLE SO THAT IT WILL NOT INTERFERE WITH ANY EXISTING SIGNS, UTILITIES, OR ANY OTHER CONSTRUCTION ACTIVITIES (TYP.)

EXISTING STREET LIGHTING CONTROLLER, SEE TEMPORARY SERVICE CONNECTION DETAIL, THIS SHEET (TYP.).

AERIAL CABLE POWER TO TEMPORARY TRAFFIC CONTROLLER, 2/C NO. 6

TEMPORARY TRAFFIC SIGNAL CONTROLLER, MOUNTED TO WOOD POLE

SUPERSTRUCTURE REPLACEMENT S.N. 016-0890 (CLOSED TO TRAFFIC & PEDESTRIANS)

AERIAL CABLE POWER TO TEMPORARY TRAFFIC CONTROLLER, 2/C NO. 6

TEMPORARY TRAFFIC SIGNAL CONTROLLER, MOUNTED TO WOOD POLE

STAGES 1, 2 AND 3

NOTE 1:

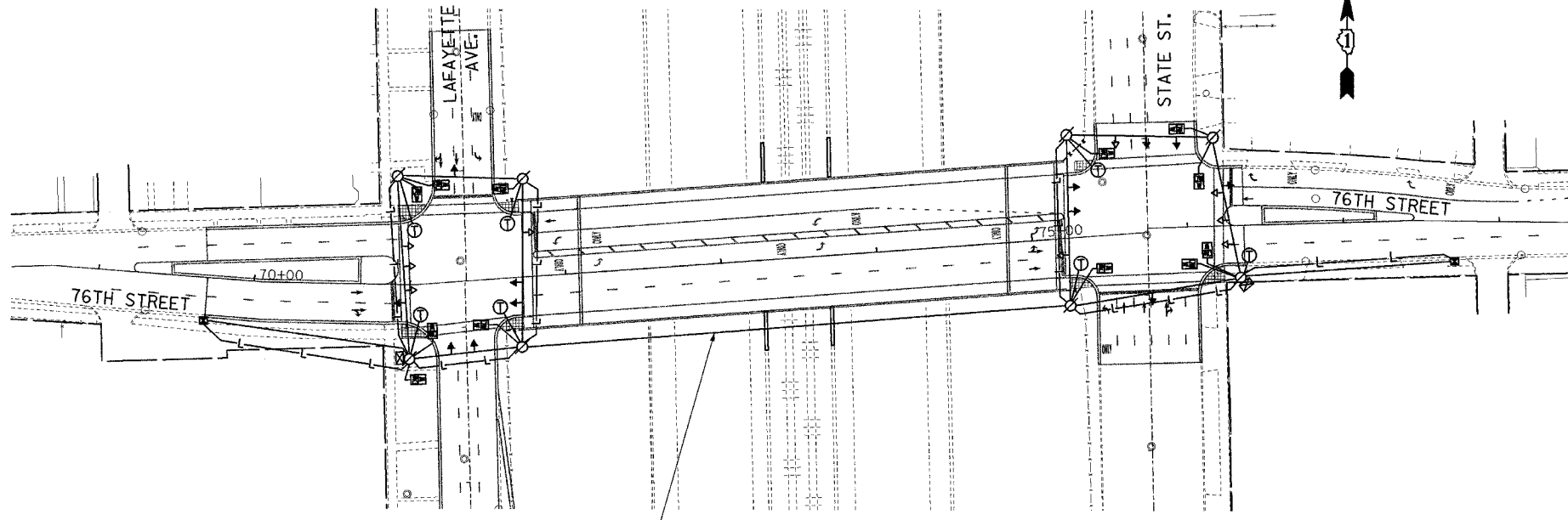
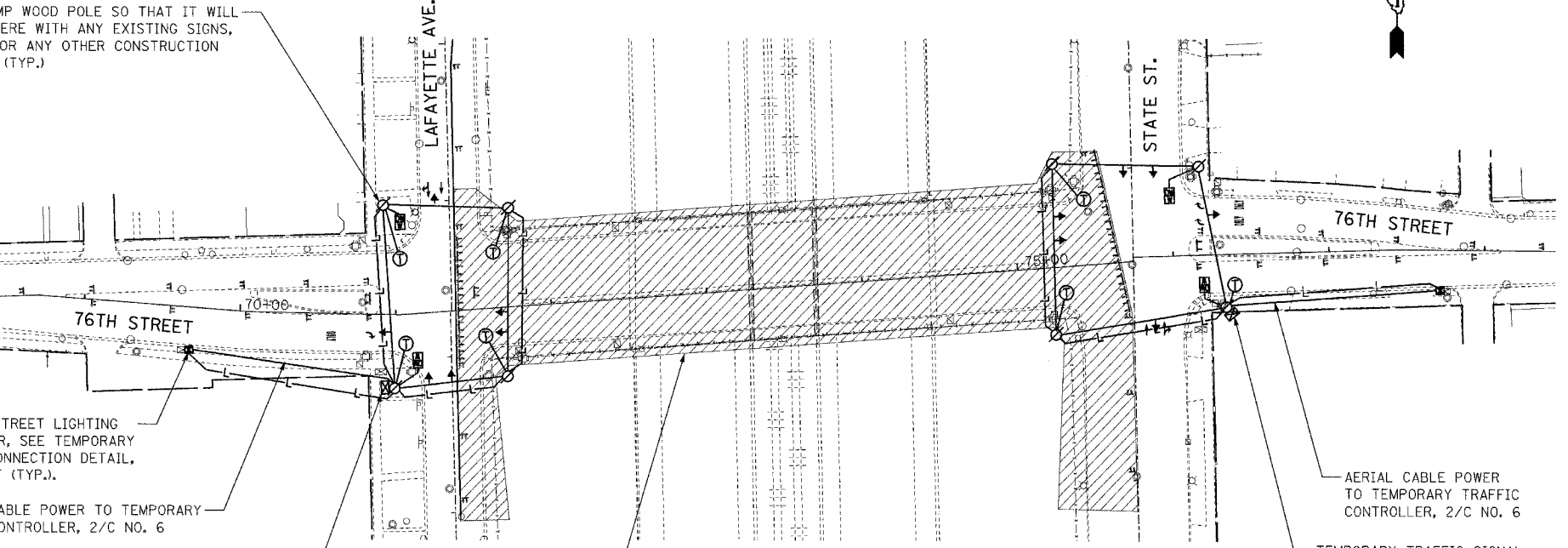
THE CONTRACTOR SHALL OBTAIN ELECTRICAL SERVICE FOR THE TEMPORARY TRAFFIC SIGNAL CONTROLLER VIA THE EXISTING STREET LIGHTING CONTROLLER. EXTRA PRECAUTION MUST BE TAKEN WHEN PLACING STRAPS, MOUNTING CONDUIT AND RUNNING CABLE. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT, TOOLS, AND DEVICES AS REQUIRED FOR PROPER SERVICE CONNECTIONS. ANY DAMAGES TO THE EXISTING STREET LIGHTING CONTROLLER OR OTHER EQUIPMENT SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT THEIR EXPENSE. ALL TEMPORARY SERVICE AND CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "TEMPORARY TRAFFIC SIGNAL INSTALLATION."

NOTE 2:

TEMPORARY AERIAL WIRE AND CABLE MAY BE REQUIRED TO CONTINUE SERVICE TO ADJACENT STREET LIGHTING. ALL TEMPORARY STREET LIGHTING SERVICES, FIELD INVESTIGATIONS, CONNECTIONS, POLES, CABLES, SECONDARY RACKS, SPLICE KITS, ETC. SHALL BE PAID FOR AS PART OF THE CONTRACT UNIT PRICE PER LUMP SUM FOR "MAINTENANCE OF EXISTING STREET LIGHTING SYSTEM"

NOTE 3:

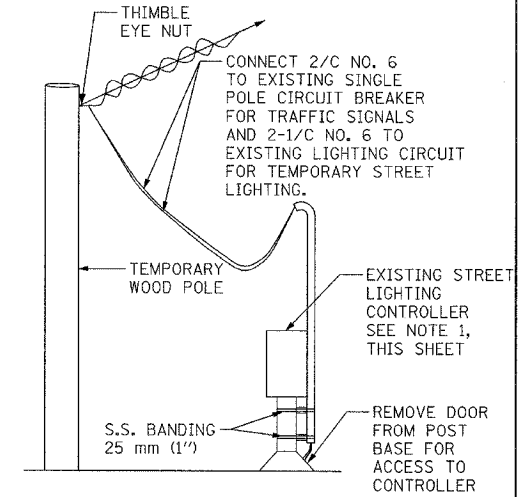
THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIAL, EQUIPMENT AND LABOR AS REQUIRED TO MAINTAIN POWER TO THE EXISTING STREET LIGHTING ADJACENT TO THE BRIDGE. THE EXISTING AND PROPOSED STREET LIGHTING PLAN INDICATES THAT THE (2) CIRCUITS THAT SERVE THE STREET LIGHTS ON THE BRIDGE ARE AS FOLLOWS:
THE LIGHTS ON BOTH SIDES OF THE BRIDGE, FROM MID-BRIDGE EASTWARD, ARE SERVED BY A CIRCUIT THAT ENDS EAST OF THE BRIDGE. THE REMAINING LIGHTS ON BOTH SIDES OF THE BRIDGE ARE SERVED BY A CIRCUIT THAT ENDS WEST OF THE BRIDGE.



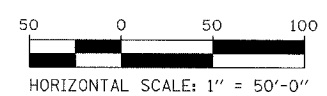
STAGE 4

LEGEND - TEMPORARY TRAFFIC SIGNALS

- ← PROPOSED TRAFFIC SIGNAL HEAD WITH SPAN WIRE, LOCATION VARIES, BETWEEN STAGES 1 & 3
- ↖ TRAFFIC SIGNAL HEAD WITH SPAN WIRE, STAGE 4 LOCATION
- WOOD POLE (CLASS 5 OR BETTER). 45' MINIMAL
- ⊗ WOOD POLE, INSTALLED IN STAGE 1, TO REMAIN IN PLACE THROUGHOUT THE CONSTRUCTION PERIOD.
- ⊠ PROPOSED TEMPORARY TRAFFIC SIGNAL CONTROLLER
- ⊞ PEDESTRIAN SIGNAL HEAD BRACKET MOUNTED TO WOOD POLE (TO REMAIN IN PLACE THROUGHOUT THE CONSTRUCTION PERIOD)
- TEMPORARY SPAN WIRE, TETHER WIRE & CABLE, TRAFFIC SIGNALS
- ← B TRAFFIC SIGNAL HEAD, BRACKET MOUNTED TO WOOD POLE
- L TEMPORARY SPAN WIRE, TETHER WIRE & CABLE 2- 1/C NO. 6, LIGHTING
- ⊙ TEMPORARY STREET LIGHT WITH 8' MAST ARM BRACKET MOUNTED, 310 WATT HPS
- ⊗ EXISTING STREET LIGHT, 310 WATT HPS
- ⊗ NEW STREET LIGHT, 310 WATT HPS
- ⊞ EXISTING STREET LIGHTING CONTROLLER
- ⊙ EXISTING STREET LIGHT, 195 WATT HPS
- ⊗ NEW STREET LIGHT, 195 WATT HPS
- ▨ WORK ZONE
- ⊞ TERMINAL, CABINET F.A. & P.C.



TEMPORARY SERVICE CONNECTION AT LIGHTING CONTROLLER



TEMPORARY TRAFFIC SIGNAL AND STREET LIGHTING INSTALLATION			
DESCRIPTION	QUANTITY	UNITS	
WOOD POLES, CLASS 5, 13.7m (45') W/ GUY WIRE AND ANCHORS	8	EACH	
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 14, 3C, WITH SPAN WIRE & TETHER	1175	FOOT	
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 14, 5C, WITH SPAN WIRE & TETHER	1785	FOOT	
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 14, 7C, WITH SPAN WIRE & TETHER	600	FOOT	
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 6, 2/C, WITH SPAN WIRE & TETHER	500	FOOT	
TEMPORARY TRAFFIC SIGNAL CONTROLLER	2	EACH	

TEMPORARY TRAFFIC SIGNAL AND STREET LIGHTING INSTALLATION			
DESCRIPTION	QUANTITY	UNITS	
SIGNAL HEAD, 1 FACE, 3 SECTION, 12" LENSES	16	EACH	
SIGNAL HEAD, 1 FACE, 5 SECTION, 12" LENSES	4	EACH	
PEDESTRIAN SIGNAL HEAD, 2 FACE	12	EACH	
ELECTRIC CABLE, AERIAL SUSPENDED SIGNAL NO. 6, 1/C WITH SPAN WIRE & TETHER	2250	FOOT	
LUMINAIRE, STREET LIGHTING, HIGH PRESSURE SODIUM VAPOR 310 WATTS, 240 VOLT	7	EACH	

REVISIONS	
NAME	DATE

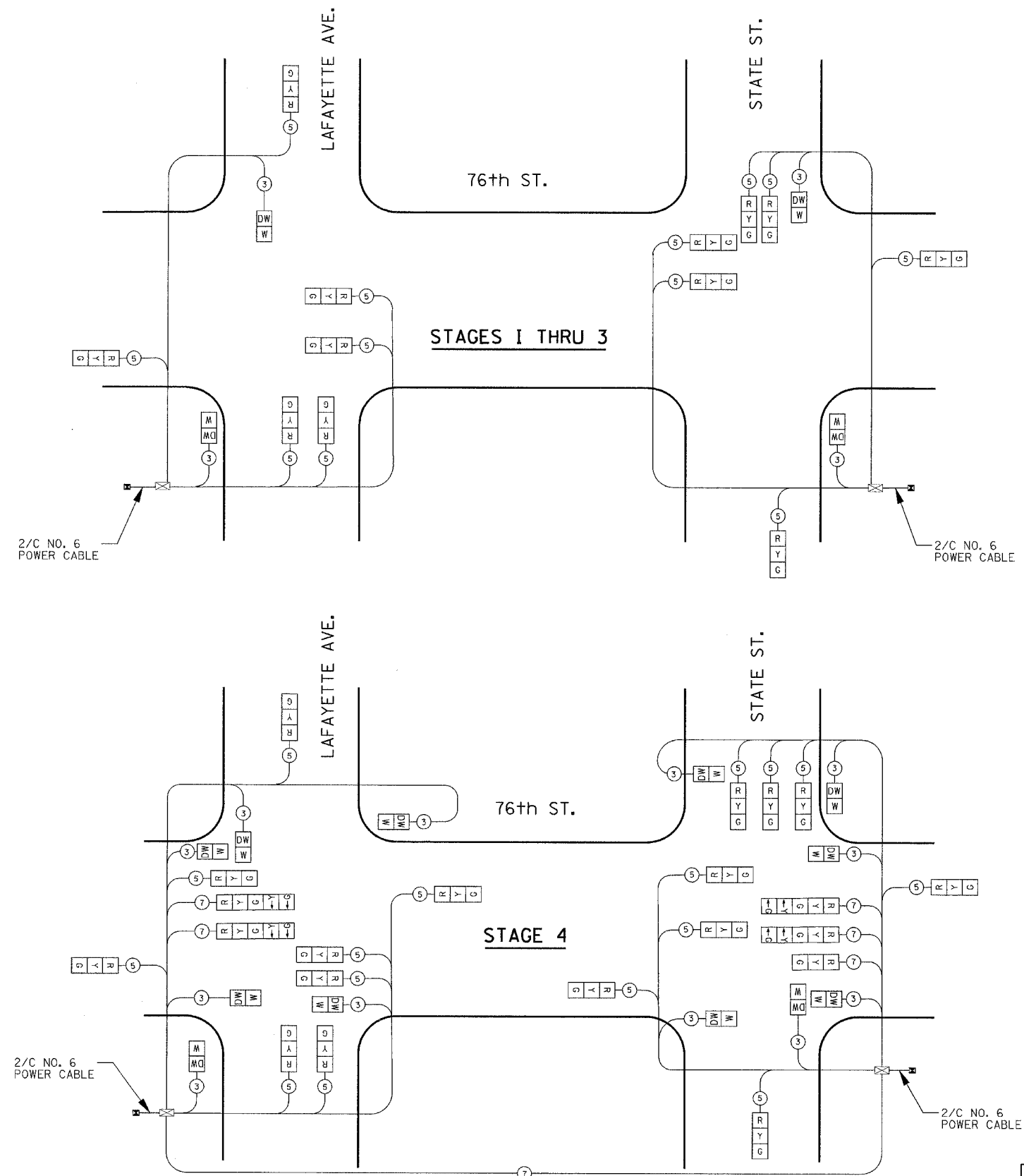
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
76TH STREET AT
LAFAYETTE AVE. & STATE ST.
TEMPORARY TRAFFIC SIGNALIZATION
STAGES 1, 2, 3 and 4
 SCALE: AS SHOWN DRAWN BY: BSB
 DATE: MARCH 25, 2005 CHECKED BY: WHI





NOTES:

1. THE CONTROL EQUIPMENT FOR ALL TEMPORARY TRAFFIC SIGNAL(S) SHALL BE PROVIDED BY THE CONTRACTOR UNLESS OTHERWISE STATED IN THE PLANS. FOR PROJECTS WITH MULTIPLE TEMPORARY TRAFFIC SIGNAL INSTALLATIONS, ALL CONTROLLERS SHALL BE OF THE SAME MANUFACTURER, BRAND AND MODEL NUMBER WITH CURRENT SOFTWARE INSTALLED.
2. TRAFFIC SIGNAL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED INSTALLED IN CABINETS WITH 8 PHASE BACK PANELS CAPABLE OF SUPPLYING 255 SECONDS OF CYCLE LENGTH AND INDIVIDUAL PHASE LENGTH SETTINGS UP TO 99 SECONDS. THE TEMPORARY SIGNAL CONTROLLER SHALL BE CAPABLE OF PROVIDING ADJUSTABLE ALL RED CLEARANCE SETTINGS OF UP TO 30 SECONDS IN LENGTH.
3. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL MEET OR EXCEED THE REQUIREMENTS OF ARTICLE 1073.01 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" WITH REGARDS TO INTERNAL TIME BASE COORDINATION AND PREEMPTION.
4. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE OF THE TYPE AND SIZE INDICATED IN THE SPECIAL PROVISIONS. THE TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
5. THE CONTRACTOR SHALL REMOVE THE EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS FROM EXISTING POLES THAT ARE REQUIRED TO BE REMOVED OR RELOCATED DUE TO CONSTRUCTION. THE RELOCATED SIGNS SHALL BE SECURELY FASTENED TO THE TEMPORARY WOOD POLE AND/OR THE SIGNAL SPAN WIRE. THE BUREAU OF TRAFFIC, EXCLUSIVELY, WILL DETERMINE THE LOCATIONS OF ALL SIGNS THAT ARE DIRECTLY OR INDIRECTLY INVOLVED WITH THE PROJECT.
6. THE SPAN WIRE FOR TEMPORARY TRAFFIC SIGNAL HEADS AND CABLE SHALL BE OF 3/8" NOMINAL DIAMETER, 7 STRAND, ZINC COATED WIRE CONFORMING TO ASTM A475, UTILITY GRADE OR BETTER.
7. THE TEMPORARY WOOD POLES FURNISHED AND INSTALLED UNDER STAGE 1 SHALL BE LEFT IN PLACE THROUGHOUT EACH CONSTRUCTION STAGE. THE CONTRACTOR MUST LOCATE EACH WOOD POLE IN A LOCATION WHERE IT WOULD NOT RESTRICT THE CONSTRUCTION PROPOSED UNDER PRECEDING STAGES. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND SCHEDULING ALL TEMPORARY AND PERMANENT TRAFFIC SIGNAL INSTALLATIONS WITH HIS CONSTRUCTION SCHEDULE. FINAL COORDINATION AND SEQUENCING SHALL BE APPROVED BY CDOT MAINTENANCE OF TRAFFIC AND THE ENGINEER.
8. WOOD POLES SHALL BE FULL-TREATED SOUTHERN PINE, DOUGLAS FIR, OR WESTERN RED CEDAR CONFORMING TO THE AMERICAN NATIONAL STANDARD SPECIFICATIONS AND DIMENSIONS FOR WOOD POLES. THE PRESERVATIVE TREATMENT SHALL CONFORM TO THE AMERICAN WOOD PRESERVERS ASSOCIATION STANDARD C4. THE DOWN GUY FOR WOOD POLES SHALL MEET THE REQUIREMENT OF ASTM A475 UTILITY GRADE OR BETTER.
9. ALL LABOR AND MATERIAL REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT UNIT PRICE EACH FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.
10. THE CONTRACTOR SHALL REMOVE ALL EXISTING TRAFFIC SIGNAL EQUIPMENT AT EACH INTERSECTION ON THE EAST AND WEST ENDS OF THE BRIDGE, STATE STREET AND LAFAYETTE AVE. AS SHOWN IN THE PLANS. TRAFFIC SIGNAL EQUIPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO: THE CONTROLLER AND FOUNDATION, POLES AND FOUNDATIONS, MESSAGE SIGNS, WIRE AND CABLE. ONCE POWER TO THE EQUIPMENT HAS BEEN DISCONNECTED, THE EQUIPMENT SHALL BE REMOVED AND SALVAGED IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH TO "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT".
11. TEMPORARY TRAFFIC SIGNALS MUST BE IN PLACE, TESTED, AND FULLY OPERATIONAL PRIOR TO REMOVAL OF EXISTING SIGNALS. THE CITY USES COMBINATION TRAFFIC SIGNAL AND STREET LIGHTING POLES; THEREFORE, THE CONTRACTOR SHALL PROVIDE TEMPORARY PROVISIONS TO MAINTAIN POWER TO THE ROADWAY LIGHTING REMAINING IN SERVICE. ALL TRAFFIC SIGNAL EQUIPMENT REMOVED BY THE CONTRACTOR SHALL BE TURNED OVER TO THE CITY OF CHICAGO, BUREAU OF ELECTRICITY. PAYMENT FOR THIS WORK WILL BE MADE UNDER THE CONTRACT UNIT PRICE PER EACH FOR "TEMPORARY TRAFFIC SIGNAL INSTALLATION".



LEGEND - TEMPORARY CABLE PLAN

- TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12"
- TEMPORARY CONTROLLER CABINET, SEE NOTE 2
- INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS SHALL BE NO. 14 A.W.G. WIRE UNLESS OTHERWISE NOTED.
- EXISTING STREET LIGHTING CONTROLLER

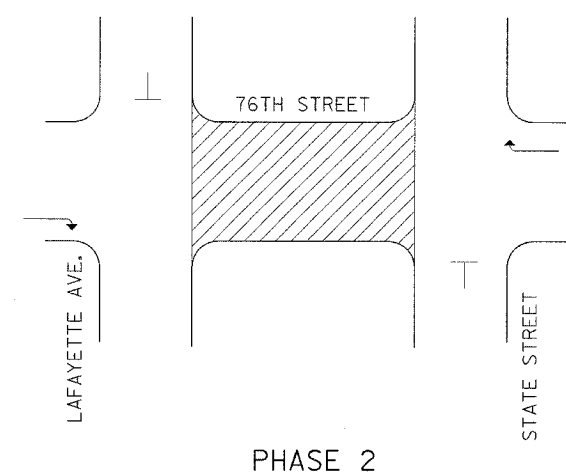
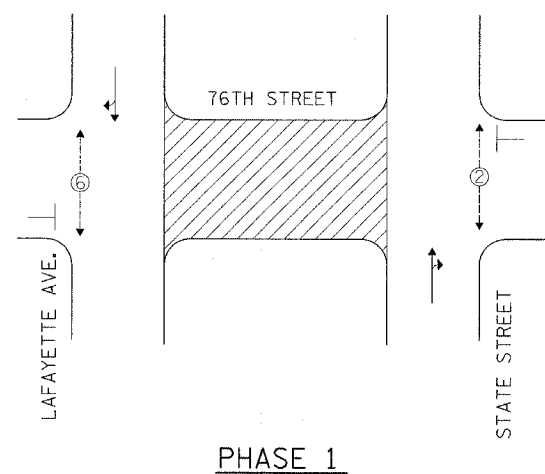
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 76TH STREET AT
 LAFAYETTE AVE. & STATE ST.
 TEMPORARY CABLE DIAGRAM
 AND GENERAL NOTES

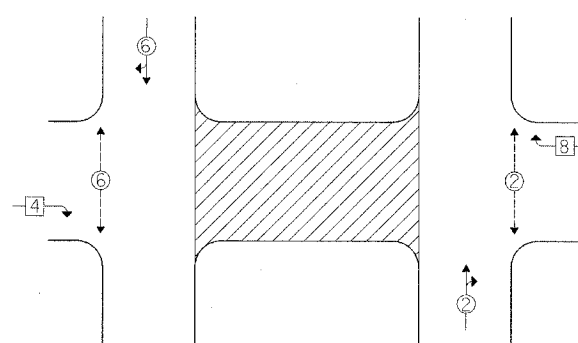
SCALE: NONE DRAWN BY: BSB
 DATE: MARCH 25, 2005 CHECKED BY: WHI



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	288
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (1516.J, 1717 & 1818) R-9			62695	



CONTROLLER SEQUENCE



TEMPORARY PHASE DESIGNATION DIAGRAM

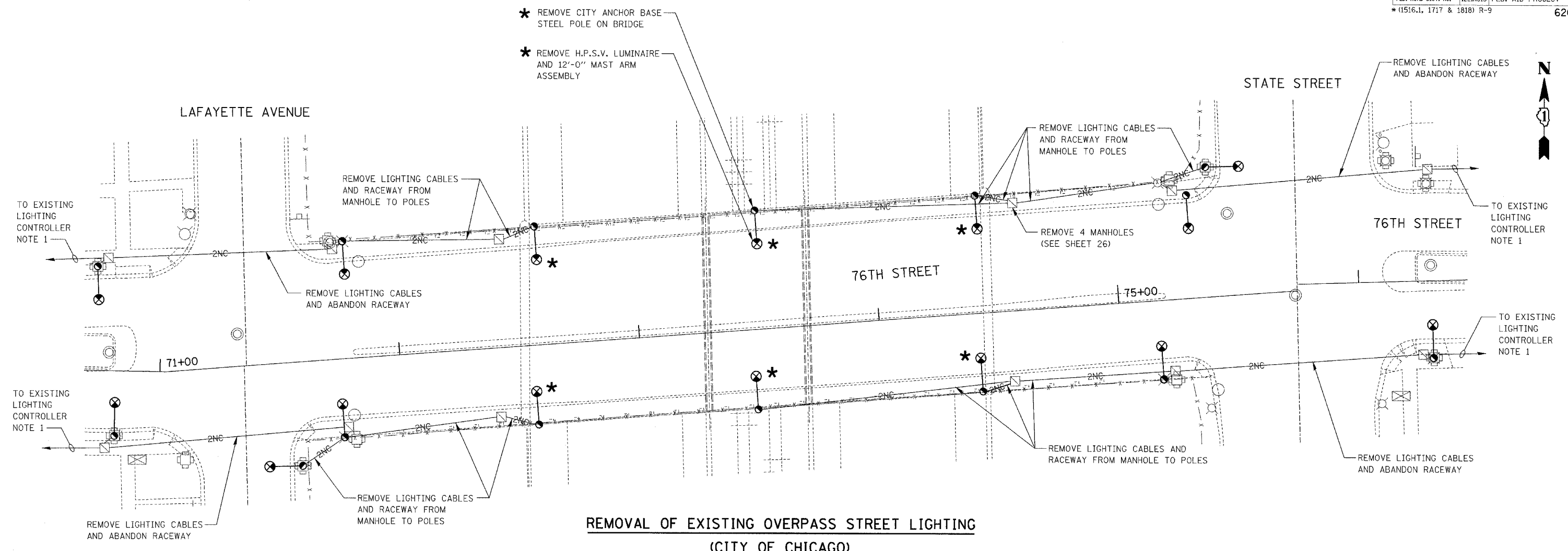
LEGEND

- ←□→ SINGLE ENTRY PHASE
- ←○→ DUAL ENTRY PHASE
- ←○→ PEDESTRIAN MOVEMENT
- NUMBER REFERS TO ASSOCIATED PHASE

FILE: L:\6592\21\Coor\15\Phase 1\Roadway\Traffic\Signals\6592_02\Signal_1.dgn

REVISIONS	
NAME	DATE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	390
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*(1516.1, 1717 & 1818) R-9				62695

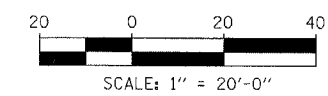


**REMOVAL OF EXISTING OVERPASS STREET LIGHTING
(CITY OF CHICAGO)**

REMOVAL NOTE

1. THE ELECTRICAL SERVICE CABLES FROM THE CONTROLLER TO THE REMOVED STREET LIGHTS WILL BE RE-USED FOR ELECTRICAL SUPPLY TO THE PROPOSED STREET LIGHTING. PROVISIONS SHALL BE MADE AT THE MANHOLES OR LIGHT POLES FOR SPLICING THE EXISTING CABLES TO THE PROPOSED CABLES TO THE NEW STREET LIGHTING.

LEGEND		
PROPOSED	EXISTING	
⊗	⊗	LUMINAIRE H.P.S.V. AND LAMP, 400W, 240V, WITH INTEGRAL BALLAST.
⊙	●	POLE, CITY STEEL, ANCHOR BASE, 32'-6" 7 GA., AND FND WITH 1 1/2" B.C. AND 1/4" ANCHOR RODS.
	⊗	LUMINAIRE, TO REMAIN
	○	MANHOLE
-2NC-		CABLE, STREET LIGHT, 2-1/2" NO. 6 IN CONDUIT
-----		PVC - SCHEDULE 40



REVISIONS	
NAME	DATE

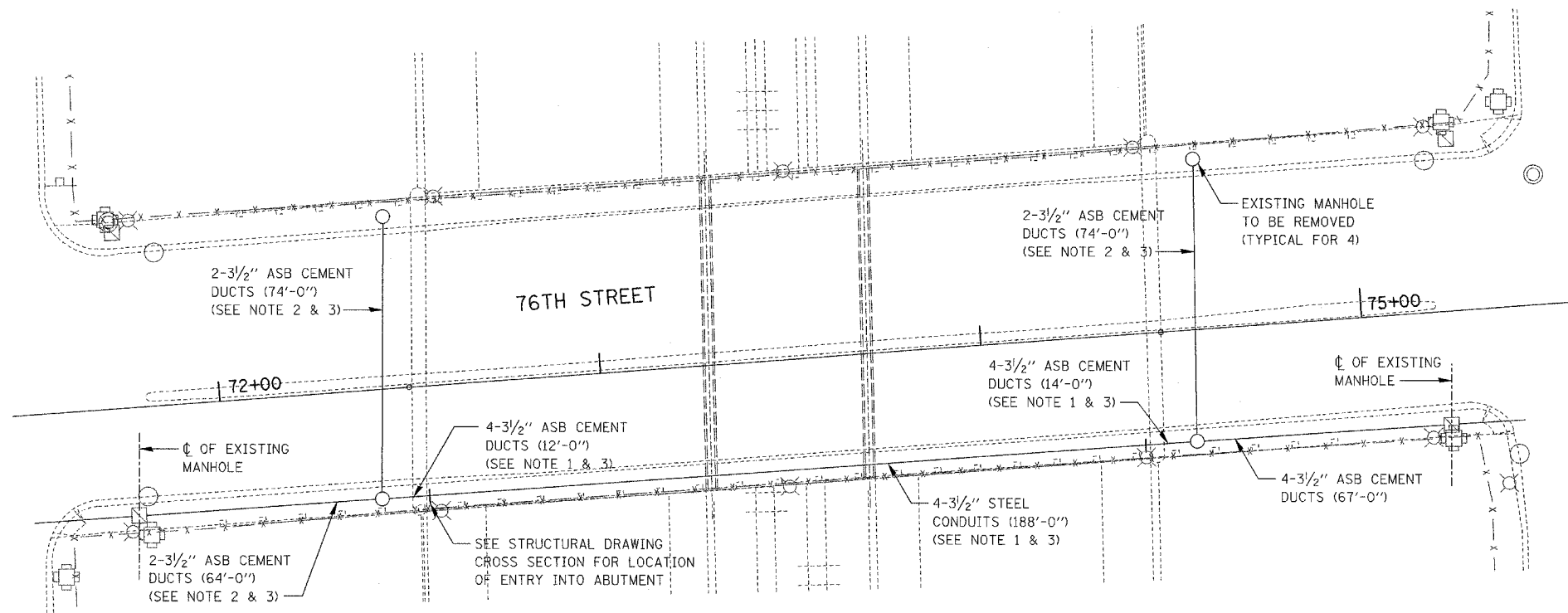
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
**76TH STREET
OVERPASS LIGHTING PLAN
REMOVAL**

SCALE: AS SHOWN DRAWN BY: RC
DATE: MARCH 25, 2005 CHECKED BY: ASN

FILE: L:\ES94\02\Corp\UShears\Bridges\76th\Lighting\ES9402L1.dwg

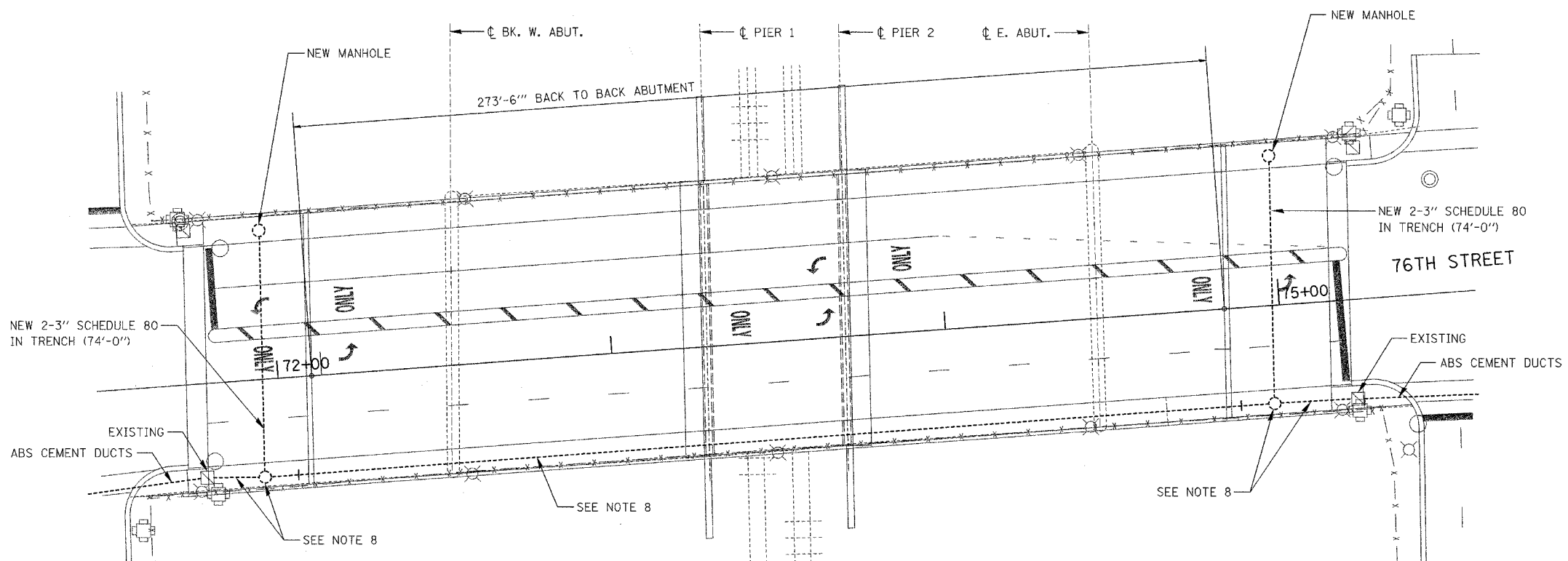


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	393
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*(1516.1, 1717 & 1818) R-9				62695



**REMOVAL OF EXISTING ASBESTOS CEMENT CONDUITS
(CITY OF CHICAGO)**

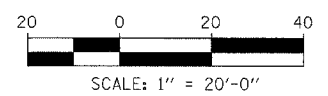
- NOTES**
- FOUR (4) EXISTING 3/2" DIAMETER STEEL CONDUITS SHALL BE REMOVED THAT SPAN I-94.
 - FOUR EXISTING 3/2" DIAMETER ASBESTOS CEMENT DUCTS SHALL BE REMOVED BACK TO STATE ST. AND LAFAYETTE ST.
 - TWO (2) EXISTING 3/2" DIAMETER ASBESTOS CEMENT DUCTS (2 LOCATIONS) SHALL BE REMOVED THAT SPAN 75TH STREET FROM MANHOLE TO MANHOLE.
 - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE ACTIVE CONTENTS OF THE BANK OF FOUR (4) EXISTING 3/2" DIAMETER ASBESTOS CEMENT DUCTS/STEEL CONDUITS SPANNING I-94 AND TWO (2) EXISTING 3/2" DIAMETER ASBESTOS CEMENT DUCTS (2 LOCATIONS) SPANNING 76TH ST..
 - THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF CHICAGO, BOE TO MAINTAIN THE SERVICE PROVIDED BY THE CABLES IN THESE DUCTS. PROVIDE MATERIALS AND LABOR FOR THE CITY OF CHICAGO, BOE THAT MAY BE REQUIRED FOR THE RE-INSTALLATION OF THE RACEWAYS AND CABLES AND FOR ANY TEMPORARY SERVICE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR MAINTENANCE OF STREET LIGHTING SYSTEM (CITY OF CHICAGO).
 - WHERE REQUIRED, THE CONTRACTOR SHALL PROVIDE TEMPORARY EQUIPMENT FOR MAINTAINING THE SERVICE AS SHOWN ON THE TEMPORARY TRAFFIC SIGNAL DRAWINGS.
 - WHERE REQUIRED, THE CONTRACTOR SHALL PROVIDE EXPANSION FITTINGS.
 - PROPOSED MANHOLES AND CONDUITS SPANNING I-94 FROM INTERSECTION TO INTERSECTION IS TO BE INSTALLED AS SHOWN ON THE TRAFFIC SIGNAL PLANS.



LEGEND

PROPOSED	EXISTING	
○	○	MANHOLE
----	----	ASBESTOS CEMENT DUCTS TO REMAIN
----	----	ASBESTOS CEMENT DUCTS TO BE REMOVED
----	----	RIGID GALVANIZED STEEL CONDUIT (RGS)
----	----	RIGID PVC COATED GALVANIZED STEEL CONDUIT OR PVC CONDUIT AS SHOWN ON PLANS
⊗		WOOD POLE (TEMPORARY)

INSTALLATION OF PROPOSED CITY OF CHICAGO CONDUIT



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 94 (DAN RYAN EXPRESSWAY)	
NAME	DATE		
		76TH STREET CONDUIT REMOVAL - INSTALLATION	
		SCALE: AS SHOWN	DRAWN BY: RC
		DATE: MARCH 25, 2005	CHECKED BY: ASN
REVISED	05/06/05		

KNIGHT
Engineers & Architects

FILE: L:\6592\02\Cad\USheets\Revised\761_05-06-05\6592024_Layout_DP2_Rev050605.dgn

EXCAVATION (CONSTRUCTION INFORMATION)

COMPLETE MANHOLE	5.0 CU. YDS.
NEW ROOF ONLY	2.0 CU. YDS.
SHEETING MANHOLE	150.0 SQ. FT.

#5 REINFORCING BARS

BAR	LENGTH	NO. OF BARS	TOTAL FT.
A	2'-9"	8	22'-0"
B	4'-0"	4	16'-0"

MATERIALS FOR ROOF ONLY

CONCRETE	0.5 CU. YDS.
REINFORCING BARS #5	38'

EXCAVATION (CONSTRUCTION INFORMATION)

COMPLETE MANHOLE	6.0 CU. YDS.
NEW ROOF ONLY	2.0 CU. YDS.
SHEETING MANHOLE	150.0 SQ. FT.

#5 REINFORCING BARS

BAR	LENGTH	NO. OF BARS	TOTAL FT.
A	3'-4"	4	13'-4"
B	4'-0"	10	40'-0"

MATERIALS FOR ROOF ONLY

CONCRETE	0.45 CU. YDS.
REINFORCING BARS #5	54'

NOTES:

1. PRECAST MANHOLES MUST BE PROVIDED WITH CHANNEL INSERTS, PULLING IRONS, AND CONDUIT KNOCK-OUTS.
2. ALL CONCRETE MUST BE PORTLAND CEMENT CONCRETE MEETING DOT REQUIREMENTS FOR CLASS PC CONCRETE FOR PRE-CAST STRUCTURES, OR CLASS S1 CONCRETE FOR CAST-IN-PLACE STRUCTURES.
3. REINFORCING BARS MUST MEET ASTM A615 GRADE 60.

REVISIONS

8/21/02	SUPERCEDES DWG. 729 DATED JAN 12, 1996
1/12/96	SUPERCEDES DWG. 729 DATED NOV. 21, 1973
DATE	REVISION

3' x 4' x 4' CONCRETE MANHOLE WITH 30" FRAME AND COVER

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICAL ENGINEERING
DIVISION OF ELECTRICAL ENGINEERING
CHIEF DRAFTSMAN: ENGINEER
B. GAINSEY R. CARTER B. GAINSEY
ELECTRICAL DESIGN ENGINEER
ENGINEER OF ELECTRICALITY
DRAWING NO. 729
DATE 8/21/02

EXCAVATION (CONSTRUCTION INFORMATION)

COMPLETE MANHOLE	6.0 CU. YDS.
NEW ROOF ONLY	2.0 CU. YDS.
SHEETING MANHOLE	150.0 SQ. FT.

#5 REINFORCING BARS

BAR	LENGTH	NO. OF BARS	TOTAL FT.
A	3'-4"	4	13'-4"
B	4'-0"	10	40'-0"

MATERIALS FOR ROOF ONLY

CONCRETE	0.45 CU. YDS.
REINFORCING BARS #5	54'

NOTES:

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3. REINFORCING BARS MUST MEET ASTM A615 GRADE 60.

REVISIONS

8/21/02	SUPERCEDES DWG. 730 DATED JAN 12, 1996
1/12/96	SUPERCEDES DWG. 730 DATED NOV. 21, 1973
DATE	REVISION

3' x 4' x 4' CONCRETE MANHOLE WITH 24" FRAME AND COVER

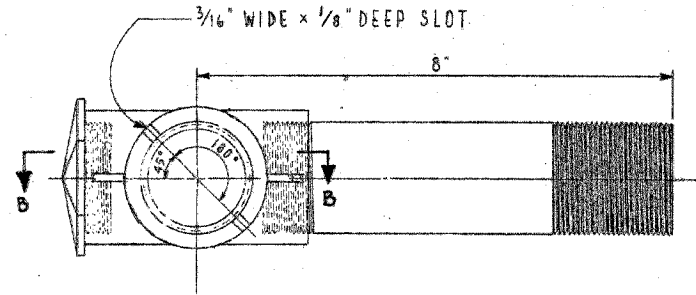
CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICAL ENGINEERING
DIVISION OF ELECTRICAL ENGINEERING
CHIEF DRAFTSMAN: ENGINEER
B. GAINSEY R. CARTER B. GAINSEY
ELECTRICAL DESIGN ENGINEER
ENGINEER OF ELECTRICALITY
DRAWING NO. 730
DATE 8/21/02

FILE: L:\65892\02\Coord\Sheeters\Revised\1816\01\651583202_50p0102_Rev040605.dgn

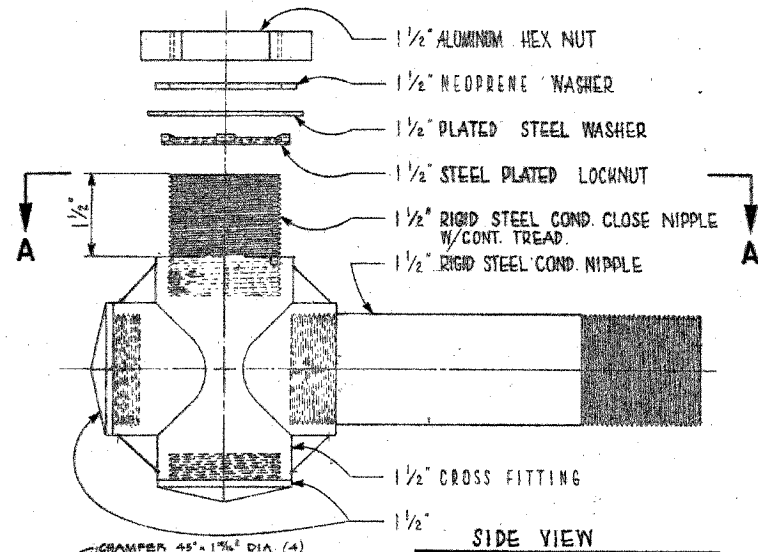


REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	F.A.I. 94 (DAN RYAN EXPRESSWAY)	
		CITY OF CHICAGO	
		BUREAU OF ELECTRICAL STANDARDS	
		SCALE:	DRAWN BY: REW
		DATE: MARCH 25, 2005	CHECKED BY: WHI
REVISED	04/15/05		

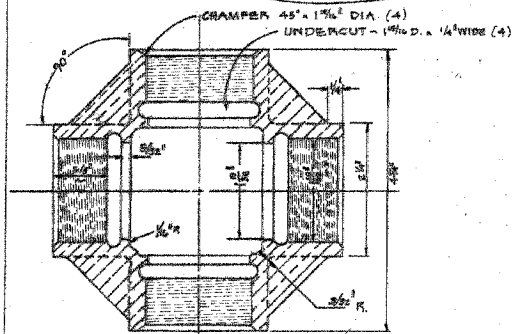
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	396
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*(1516.1, 1717 & 1818) R-9				62695



TOP VIEW A-A



SIDE VIEW



SECTION B-B

**TRAFFIC SIGNAL
BRACKET ARM ASSEMBLY**

CITY OF CHICAGO
DEPT. OF STREETS & SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECT. ENGINEERING

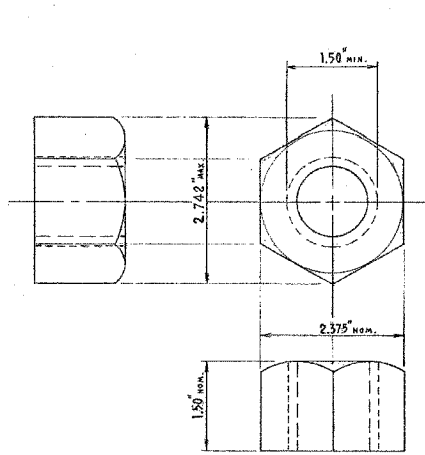
REVISED	DRAWN	CHECKED	ENGINEER
A 1-23-81	E. OGBURN	D.C. / M.S.	L. BUOSI
B 7E-6-80			
C			
D			
E			
F			

741

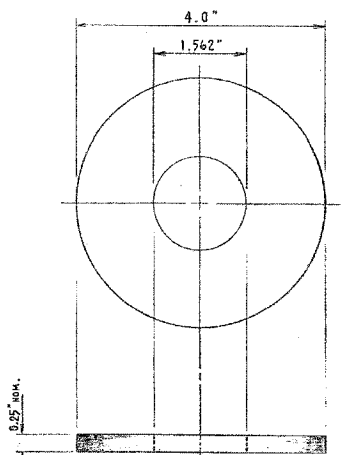
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DELETE SET SCREWS
ADDED SECTION B-B

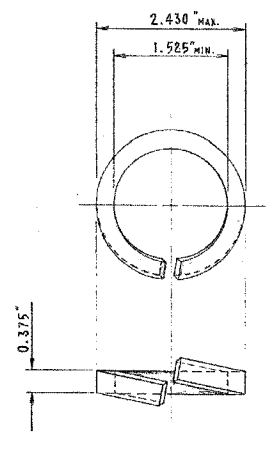
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 94 (DAN RYAN EXPRESSWAY) CITY OF CHICAGO BUREAU OF ELECTRICITY STANDARDS
NAME	DATE	
		SCALE: DATE: MARCH 25, 2005
REVISED	04/15/05	DRAWN BY: REW CHECKED BY: WHI



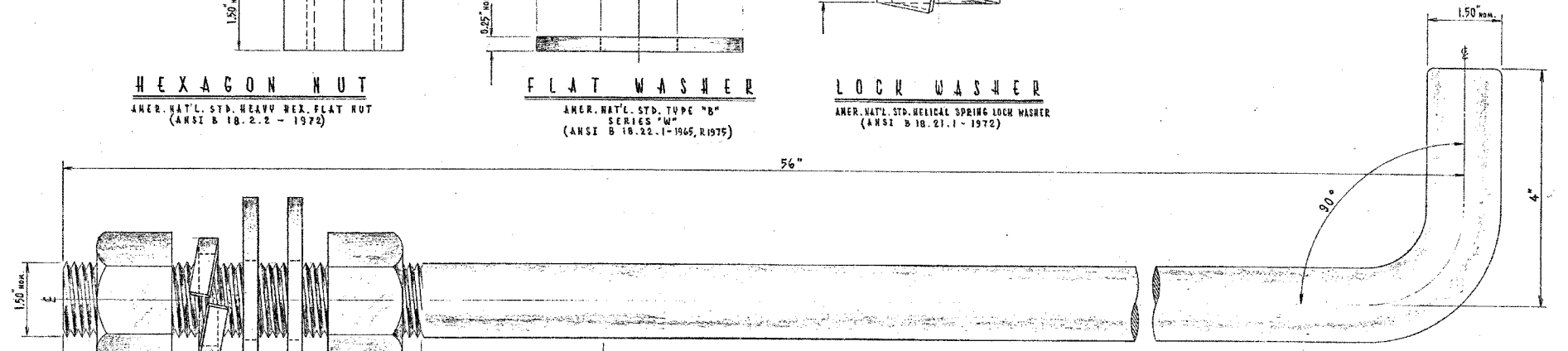
HEXAGON NUT
 AMER. NAT'L. STD. HEAVY HEX. FLAT NUT
 (ANSI B 18.2.2 - 1972)



FLAT WASHER
 AMER. NAT'L. STD. TYPE "B" SERIES "W"
 (ANSI B 18.22.1-1965, R1975)



LOCK WASHER
 AMER. NAT'L. STD. HELICAL SPRING LOCK WASHER
 (ANSI B 18.21.1 - 1972)



U.S. STANDARD 1/2" - 6 N.C. ROLLED THREAD

A ZINC COATING 0.0021 INCH IN THICKNESS SHALL BE APPLIED OVER THIS LENGTH AND COVERED WITH HEAVY HD-DX-1D, OR EQUAL, RUST INHIBITING COMPOUND

MATERIAL:

ASTM A-36 MODIFIED STEEL, 55,000 LBS. MINIMUM YIELD.
HARDWARE TO BE FURNISHED & ATTACHED IN PLACE ON ROD FOR SHIPPING:
 2 HEX. NUTS, HEAVY, GALV., 1/2"
 2 WASHERS, STEEL, ROUND, GALV., TYPE "B", SERIES "W", 1/2"
 1 WASHER, LOCK, STEEL, GALV., HELICAL SPRING, REGULAR, 1/2"
 BOLT & NUTS SHALL HAVE AN AMERICAN STANDARD CLASS 2 OR 5 FIT.
 (NUT IS TAPPED OVERSIZE BY 1/32")

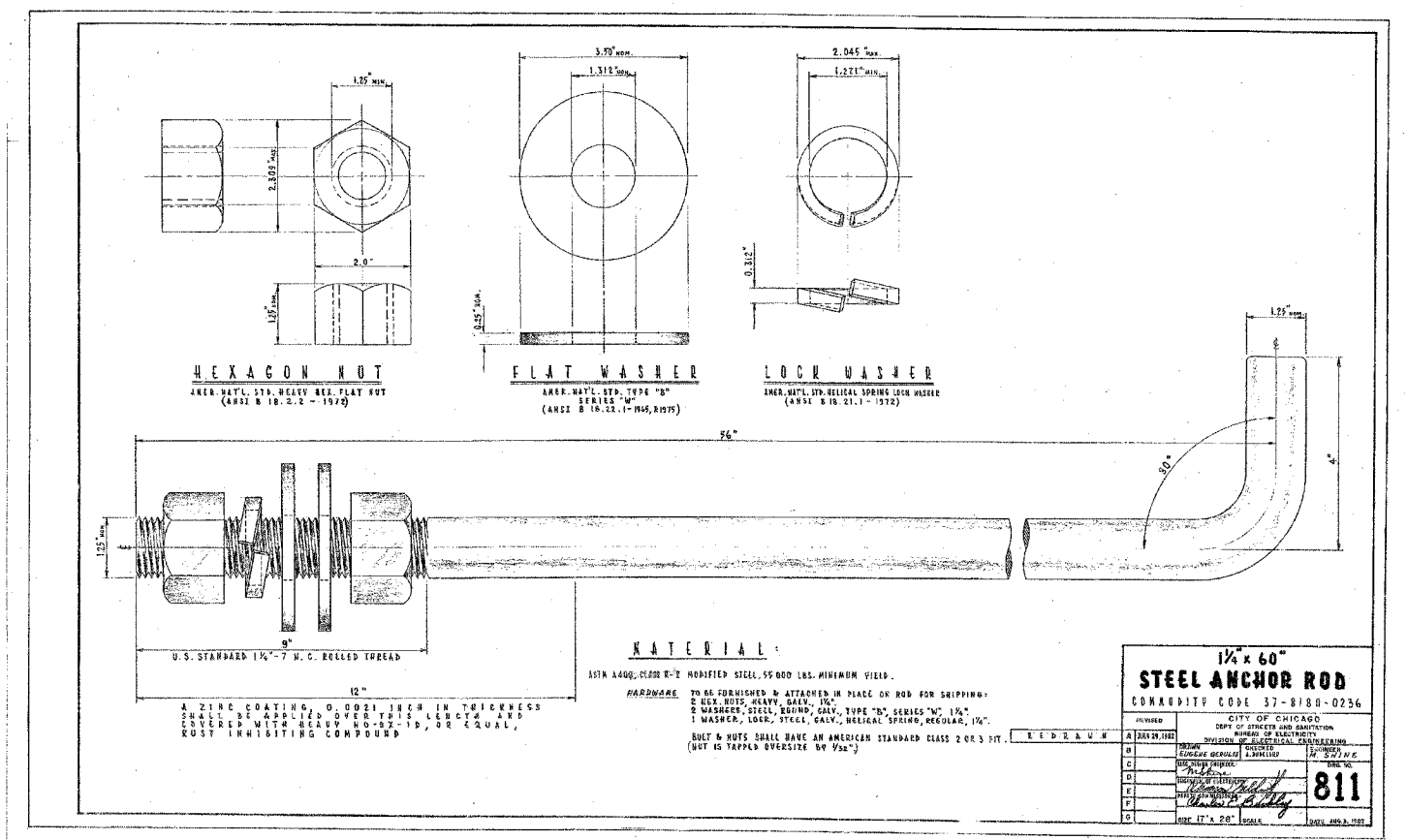
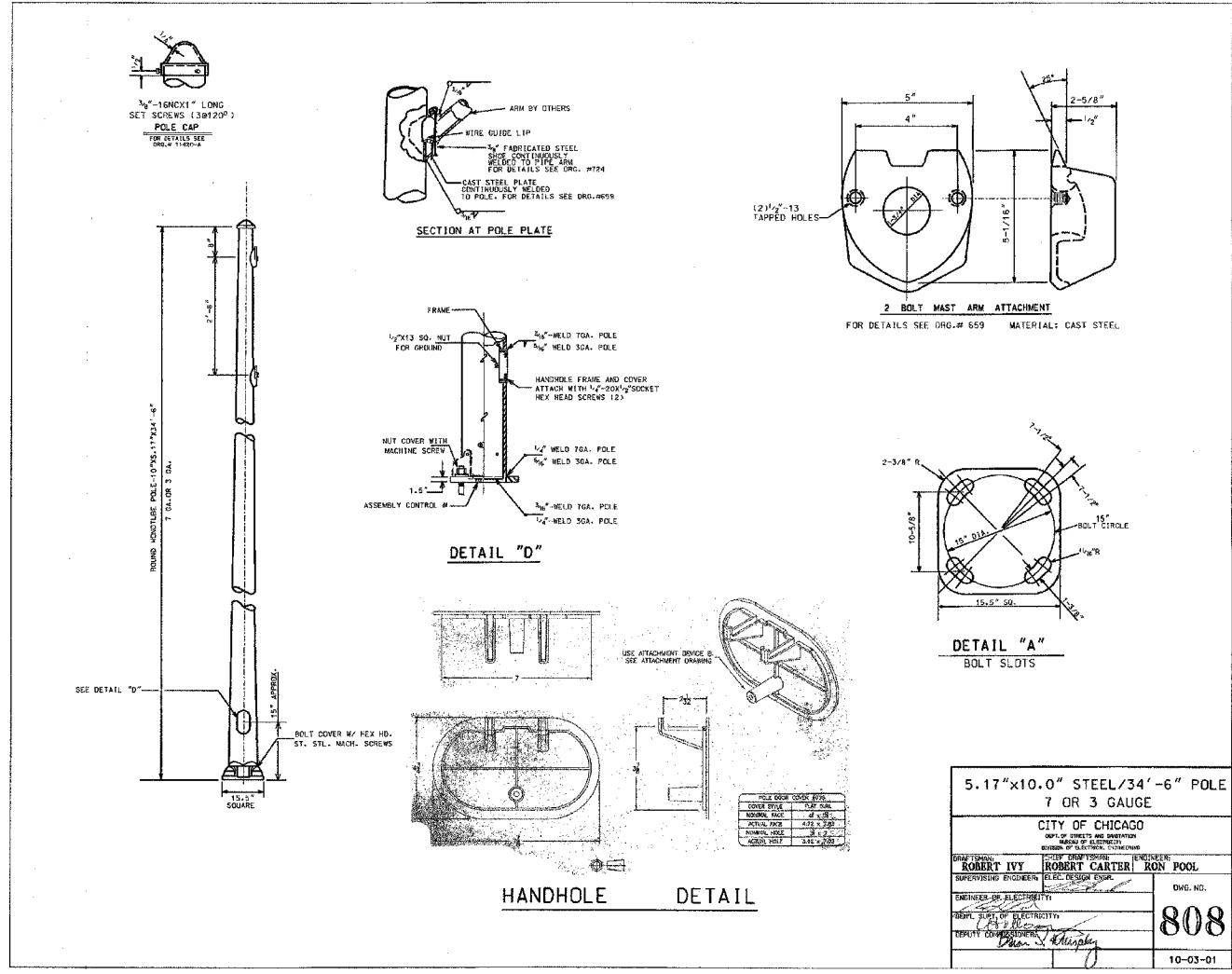
1/2" x 60" STEEL ANCHOR ROD
 COMMODITY CODE 37-8180-0240

REVISED	CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY	
A JULY 29, 1981	DRAWN EUGENE GERULIS	CHECKED A. VOGLER
B	DESIGNED E. GERULIS	ENGINEER M. SHINE
C	ESTIMATED QUANTITY 1	DWG. NO. 806
D	APPROVED [Signature]	DATE MARCH 25, 2005
E	DEPT. COMMISSIONER [Signature]	CHECKED BY WHI
F	DATE MARCH 25, 2005	
G	SCALE 17" x 28"	

FILE: L:\6292\02\1\001\Drawings\Revised 178 04-15-05 629202 3100104 Rev 04/15/05.dwg

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 94 (DAN RYAN EXPRESSWAY)	
NAME	DATE	CITY OF CHICAGO BUREAU OF ELECTRICITY STANDARDS	
		SCALE:	DRAWN BY: REW
		DATE: MARCH 25, 2005	CHECKED BY: WHI
REVISED	04/15/05		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	398
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*(1516.1, 1717 & 1818) R-9		62695		



5.17'x10.0" STEEL/34'-6" POLE
7 OR 3 GAUGE

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICAL STANDARDS

DESIGNED BY: ROBERT IVY
SUPERVISING ENGINEER: ROBERT CARTER
ENGINEER OF ELECTRICAL: RON POOL

DWG. NO. 808
10-03-01

MATERIAL:
ASTM A490, CLASS 2, HOMOGENEOUS STEEL, 55,000 LBS. MINIMUM YIELD.

HARDWARE:
TO BE FURNISHED & ATTACHED IN PLACE ON ROD FOR SHIPPING:
2 NUTS, HEAVY, GALV., 1/2"
2 WASHERS, STEEL, GALV., TYPE "B", SERIES "M", 1 1/2"
1 WASHER, LOCK, STEEL, GALV., REGULAR SPRING, REGULAR, 1 1/2"
BOLT & NUTS SHALL HAVE AN AMERICAN STANDARD CLASS 2 OR 3 FIT.
(NOT TO TAPPED SURFACE BY 7/8")

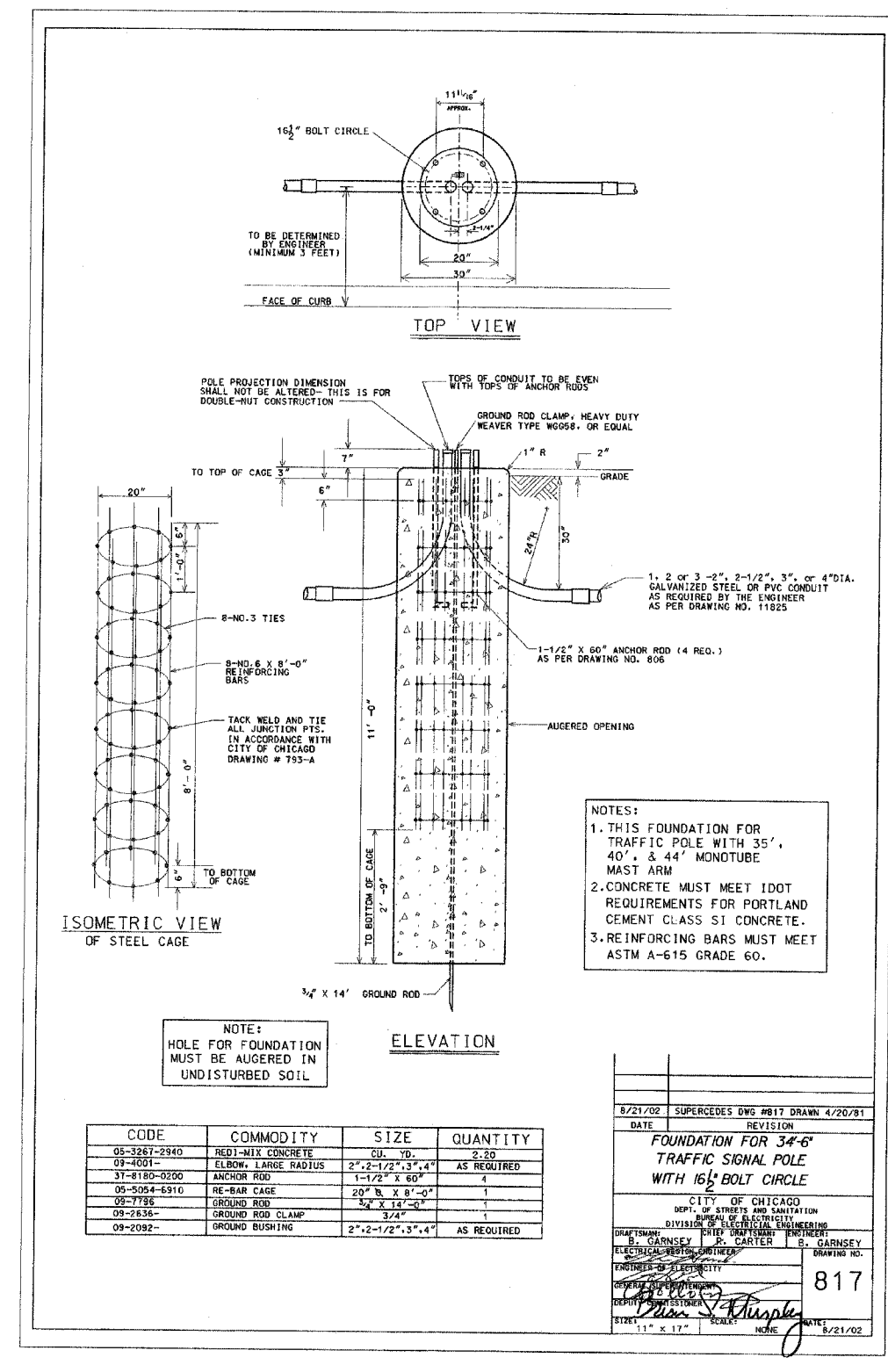
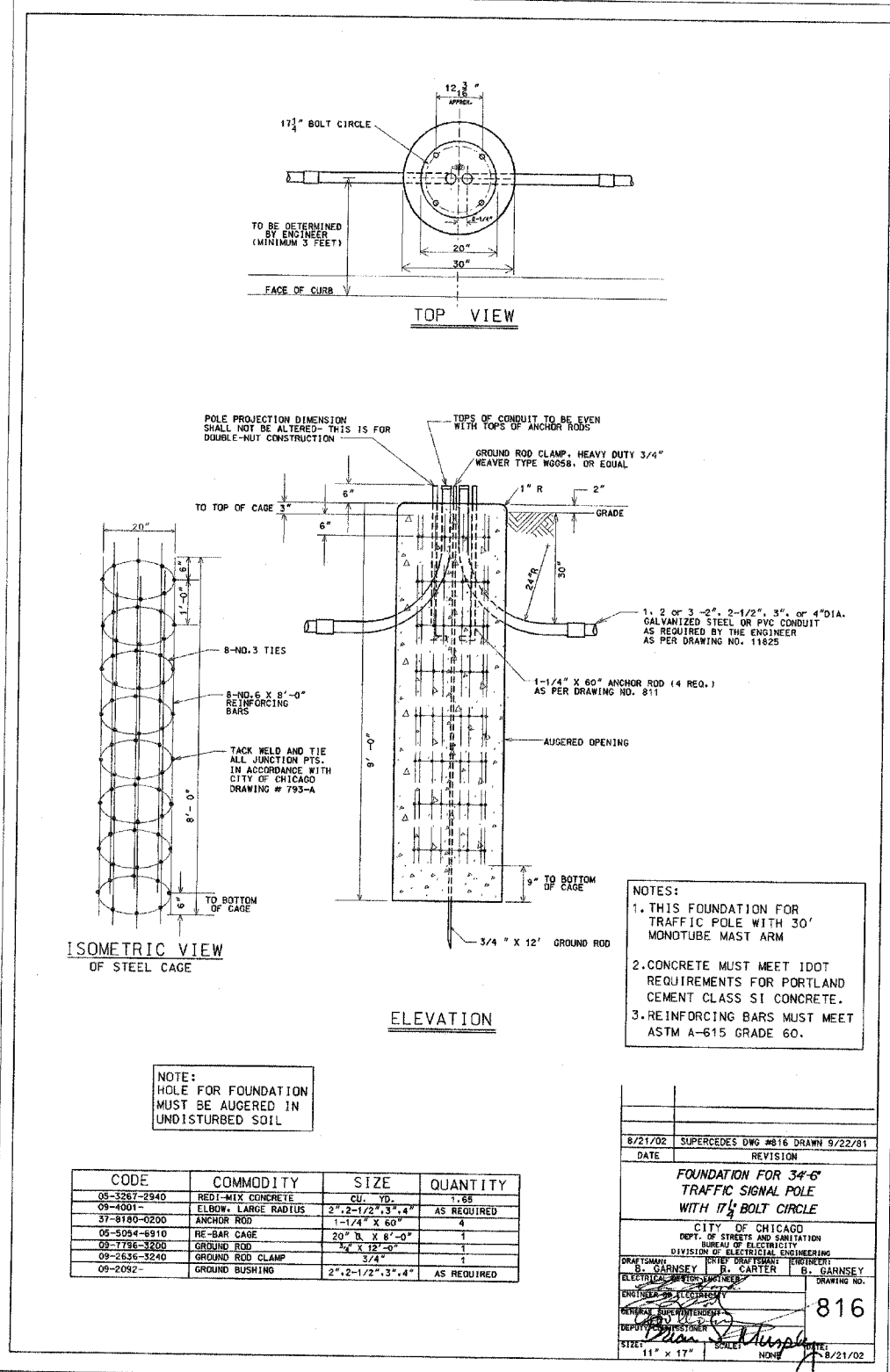
STEEL ANCHOR ROD
CONADITP CODE 37-B180-0236

REVISED: 04/15/05

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	F.A.I. 94 (DAN RYAN EXPRESSWAY)	
		CITY OF CHICAGO	
		BUREAU OF ELECTRICAL STANDARDS	
		SCALE:	DRAWN BY: REW
		DATE: MARCH 25, 2005	CHECKED BY: WHI

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