

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2004-083 I	COOK	40	1

CONTRACT NO. 62825

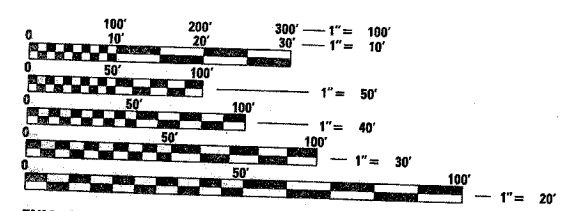
**PROPOSED  
 HIGHWAY PLANS  
 VARIOUS ROUTES  
 SECTION: 2004-083 I  
 CURB AND GUTTER REPAIR  
 COOK AND DuPAGE COUNTIES  
 C-91-340-04**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT LOCATED IN THE CITY OF CHICAGO AND THE VILLAGES OF CICERO, BROADVIEW, NORTH RIVERSIDE, SUMMIT, BURBANK, HINSDALE, AND WESTERN SPRINGS



DISTRICT ONE (CONTRACT MAINTENANCE) - PLAN PREPARATION ENGINEER: KEN ENG / JENPAI CHANG (847) 705-4432



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

J.U.L.I.E.  
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
 1-800-892-0123

CONTRACT NO. 62825

SEE SHEETS 4 & 5  
 FOR MAP LOCATIONS

**TRAFFIC DATA:**

22ND ST. (CERMAK RD.) 2001 ADT - 41300 SPEED LIMIT - 30 MPH	17th AVE. 2001 ADT - 12000 SPEED LIMIT - 30 MPH
26th ST. 2001 ADT - 16900 SPEED LIMIT - 30 MPH	25th AVE. 2001 ADT - 16100 SPEED LIMIT - 30 MPH
39th ST. (PERSHING RD.) 2001 ADT - 19000 SPEED LIMIT - 30 MPH	IL 38 (ROOSEVELT RD.) 2001 ADT - 27800 SPEED LIMIT - 30 MPH
47th ST. 2001 ADT - 11200 SPEED LIMIT - 30 MPH	PULASKI RD. 2001 ADT - 48500 SPEED LIMIT - 30 MPH
79th ST. 2001 ADT - 29925 SPEED LIMIT - 30 MPH	US 34 (OGDEN AVE.) 2001 ADT - 19900 SPEED LIMIT - 30 MPH

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED September 6, 20 05

Dina O'Keefe  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

October 14, 20 05  
Mike Hene  
 ENGINEER OF DESIGN AND ENVIRONMENT

October 14, 20 05  
Eric E. Hawn  
 DEPUTY DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
 OF THE STATE OF ILLINOIS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2004-083 I	COOK & DuPAGE	40	2
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62825

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4-5	LOCATION MAPS OF CURB AND GUTTER REPAIR
6-9	SCHEDULE OF QUANTITIES
10	CITY OF CHICAGO PCC CONCRETE DRIVEWAY, ALLEY RETURN AND SIDEWALK
11	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
12	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
13-16	STANDARD TRAFFIC SIGNAL DESIGN DETAILS
17	DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING
18-39	DETECTOR LOOP LOCATION DETAILS
40	TEMPORARY INFORMATION SIGNING

STATE STANDARDS

- 000001-04 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 424001-02 CURB RAMPS FOR SIDEWALKS
- 606001-02 CONCRETE CURB AND COMBINATION CONCRETE CURB AND GUTTER
- 701301-02 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701501-02 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701701-04 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701601-04 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W, WITH MOUNTABLE MEDIAN
- 701606-04 URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701801-03 LANE CLOSURE, MULTILANE, 1W OR 2W, CROSSWALK OR SIDEWALK CLOSURE
- 702001-05 TRAFFIC CONTROL DEVICES

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 OR "CUAN" (CHICAGO UTILITY ALERT NETWORK), (312)-744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED).

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM FIELD MAINTENANCE ENGINEERS.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

SPECIFIC LOCATIONS AND QUANTITIES ARE TENTATIVE AND AT THE DISCRETION OF THE ENGINEER.

SALT TOLERANT SODDING SHALL BE INCIDENTAL TO THIS CONTRACT.

ANY CURB NEEDING TO BE REPAINTED SHALL BE INCIDENTAL TO THIS CONTRACT.

THE CONTRACTOR SHALL REPLACE ANY PAVEMENT MARKINGS REMOVED, DAMAGED, OR OTHERWISE DISTURBED AS A RESULT OF CONSTRUCTION ACTIVITY. THESE MARKINGS SHALL BE REPLACED WITH LIKE MATERIAL AND SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CURB AND GUTTER WORK.

QUESTIONS REGARDING ANY OF THE CURB AND GUTTER REPAIR LOCATIONS MUST BE REFERRED TO MR. FRANK VITAGLIANO, MAINTENANCE YARD TECHNICIAN, AT (708) 544-9372

MIXTURE REQUIREMENTS

MIXTURE USE	AC/PG	RAP % (MAX)	DESIGN AIR VOIDS
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50	PG 64-22	15	4% @ 50

NOTE:  
THE UNIT WEIGHT USED TO CALCULATE ALL BITUMINOUS SURFACE MIX QUANTITIES IS 112 LBS./SQ. YD./ IN.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES VARIOUS ROUTES CURB AND GUTTER REPAIR
NAME	DATE	
		SCALE: VERT. _____ HORIZ. _____ DATE _____ DRAWN BY _____ CHECKED BY _____

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		COOK SFTY-1B	DUPAGE SFTY-1B			
42001300	PROTECTIVE COAT	SQ YD	1868	1864	4			
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	902	902				
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	902	902				
44001115	BITUMINOUS CONCRETE SURFACE REMOVAL (FULL DEPTH)	SQ YD	167	166	1			
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	5981	5976	5			
44004610	SIDEWALK REMOVAL AND REPLACEMENT (SPECIAL)	SQ FT	5175	5150	25			
67100100	MOBILIZATION	L SUM	1	1				
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1				
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1				
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1				
<del>70102635</del>	<del>TRAFFIC CONTROL AND PROTECTION, STANDARD 701701</del>	<del>L SUM</del>	<del>1</del>	<del>1</del>				
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1				
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	2949	2949				
X4066424	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50	TON	29	28	1			

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT						

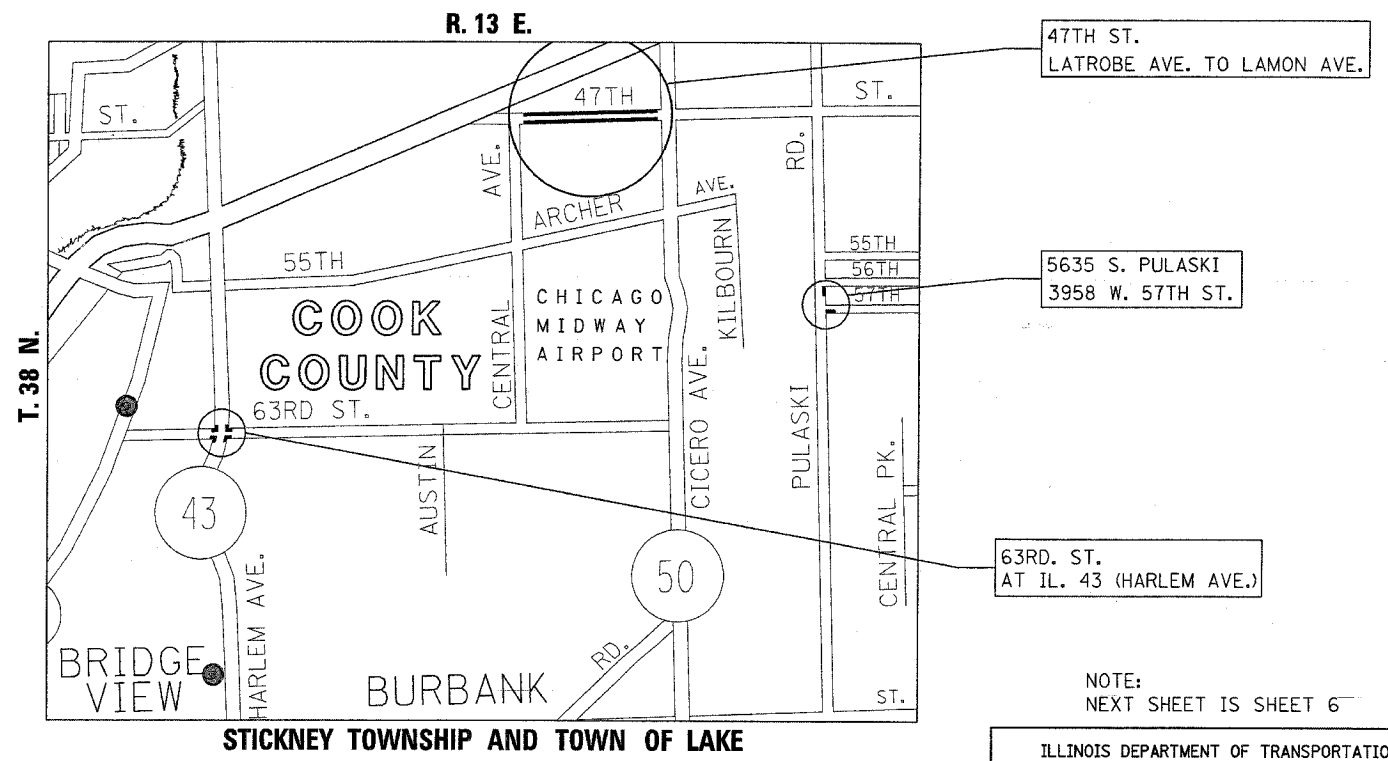
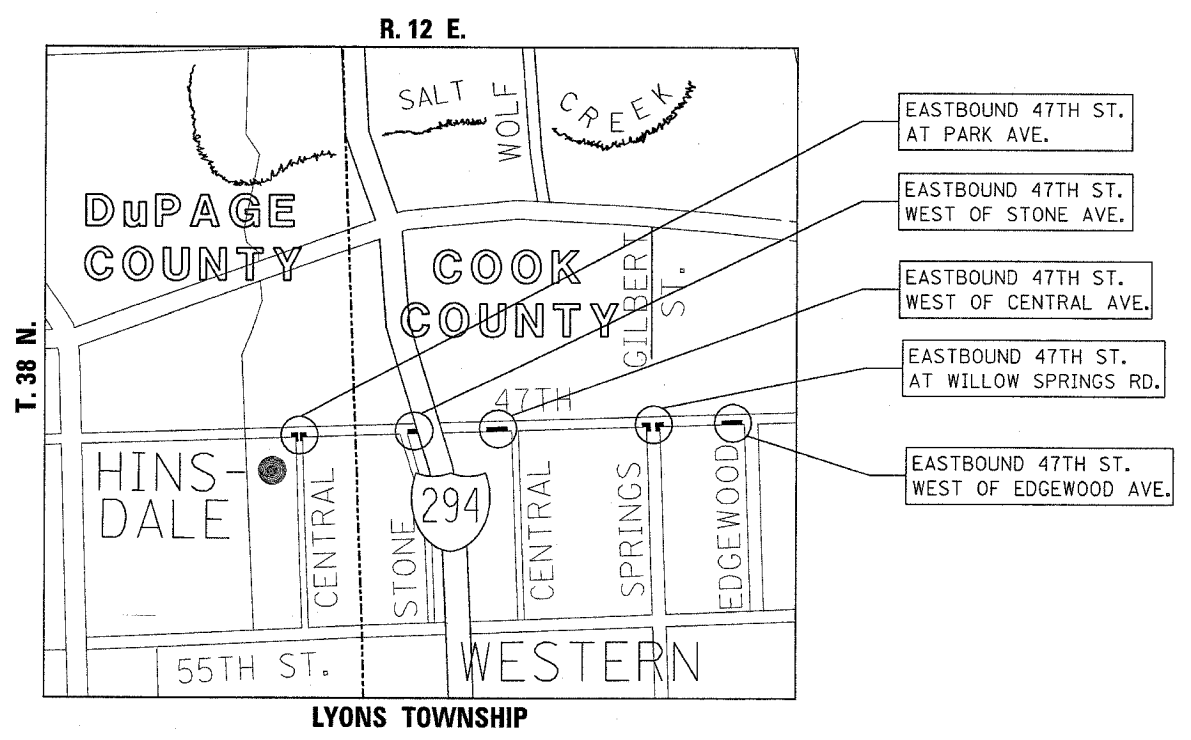
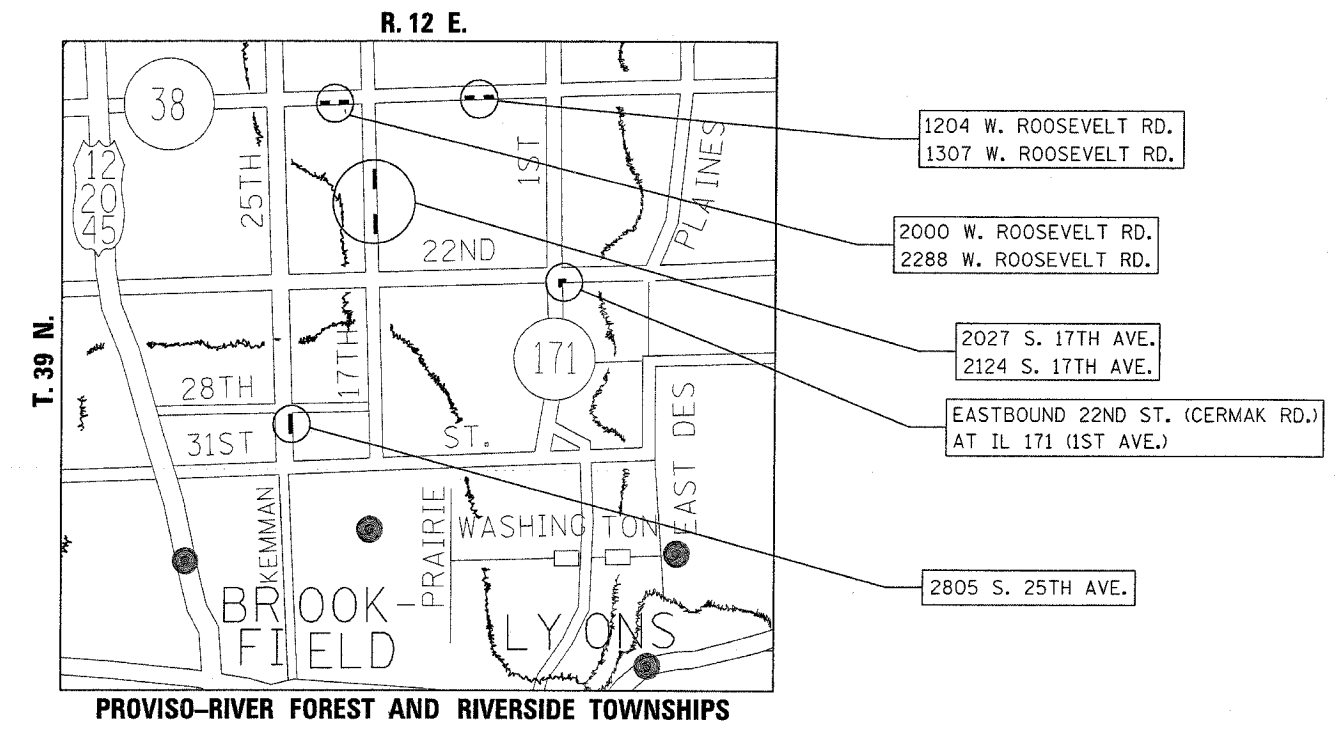
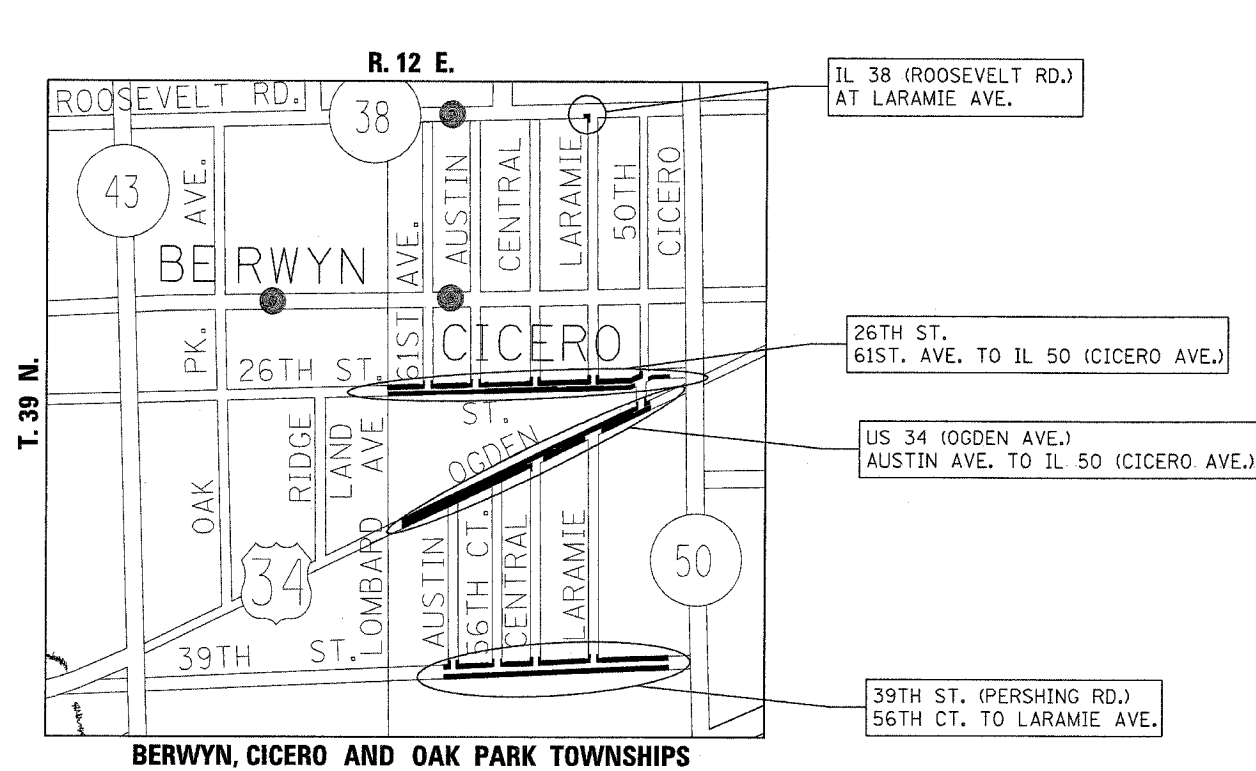
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
SUMMARY OF QUANTITIES  
VARIOUS ROUTES  
CURB AND GUTTER REPAIR

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2004-083 I	COOK	40	4
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS HIGHWAY PROJECT		

CONTRACT NO.: 62825



NOTE:  
NEXT SHEET IS SHEET 6

REVISIONS	
NAME	DATE

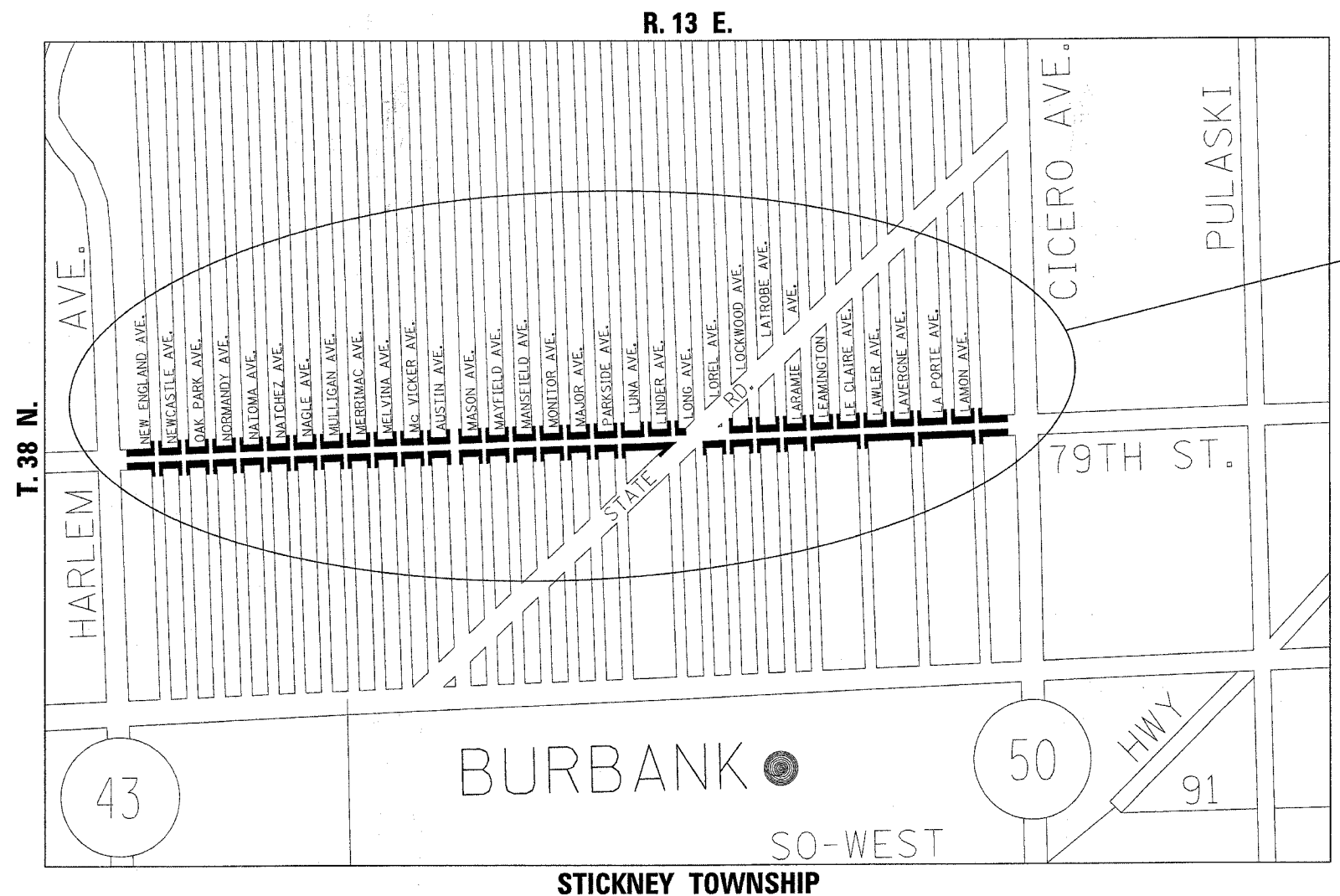
ILLINOIS DEPARTMENT OF TRANSPORTATION  
LOCATION MAPS OF CURB AND GUTTER REPAIR  
VARIOUS ROUTES  
CURB AND GUTTER REPAIR

SCALE: VERT. 1"=50'  
HORIZ. 1"=50'  
DATE 9/6/2005

DRAWN BY  
CHECKED BY

9/6/2005  
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\*REF-\*

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2004-083 I	COOK	40	5
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS HIGHWAY PROJECT		
CONTRACT NO.: 62825				



79TH ST.  
IL 43 (HARLEM AVE.) TO IL 50 (CICERO AVE.)

9/6/2005  
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REF-  
REF-

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
LOCATION MAPS OF CURB AND GUTTER REPAIR  
VARIOUS ROUTES  
CURB AND GUTTER REPAIR  
SCALE: VERT. 1"=50'  
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2004-083 I	COOK	40	6
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	

CONTRACT NO.: 62825

# SCHEDULE OF QUANTITIES

Location	Comb. Conc C&G / R & R Linear Feet	Bituminus Conc. Surface R & R Full Depth	Carriage Sidewalk	5' Parallel Sidewalk	Driveway	Handicap Walk	Grass	Remarks
3958 W 57 <sup>th</sup> St Chicago	110'	X		X 8'				Curb is located on Pulaski
5635 S Pulaski Chicago	65'	X		X 8'				
5601 - 5611 S. Pulaski, Chicago	65'	X		X 8'				Adjacent to 3 water shut offs
63 <sup>rd</sup> & Harlem Ave Summit,	22'	X		X				Curb is located on Harlem Ave between driveways at Shell Gas Station
N/E corner of First Ave & Cernak Ave	19'	X					X	Corner Radius with Sewer Inlet
10307 W. Roosevelt Rd, Westchester	10'	X		X				
2288 W. Roosevelt Rd, Westchester	15'	X		X				
2000 W. Roosevelt Rd, Westchester	35'	X					X	Curb painted yellow
1204 W. Roosevelt Rd, Westchester	10'	X					X	Curb painted yellow
E/B 47 <sup>th</sup> west of Central Ave, Hinsdale	14'	X					X	Next to park
E/B 47 <sup>th</sup> St & Willow Springs Rd,	10'	X		X				Just west of S/W corner by Walgreens Western Springs
E/B 47 <sup>th</sup> St West of Edgewood, Western Spring	45'	X					X	Sunken & Broken Curb Western Springs
E/B 47 <sup>th</sup> @ Park Ave Western Springs	5'	X		X			X	S/W corner adjacent to handicap walk by St. Johns Church
E/B 47 <sup>th</sup> West of Stone Ave, Western Springs	20'	X					X	Approximately 50' West of Stone
507 47 <sup>th</sup> St Western Springs	8'	X						4' on East & West side of driveway
E/B 47 <sup>th</sup> ST JUST EAST OF LATROBE	5'	X		X				
5147 47 <sup>th</sup> ST	44'	X		X				
5125 47 <sup>th</sup> ST	13'	X		X				
E/B 47 <sup>th</sup> ST 12' WEST OF LECLAIRE AVE	10'	X					X	
E/B 47 <sup>th</sup> ST EAST OF LECLAIRE WEST OF LAWLER	50'	X					X	
E/B 47 <sup>th</sup> ST EAST OF LAWLER	5'	X					X	NEAR S/E CORNER
E/B 47 <sup>th</sup> ST WEST OF S/W CORNER OF LAVERGNE	10'	X		X				
E/B 47 <sup>th</sup> ST BETWEEN LAVERGNE & LAPORTE	60'	X		X				
E/B 47 <sup>th</sup> ST JUST EAST OF LAPORTE	5'	X					X	NEAR CORNER
4839 47 <sup>th</sup> ST	9'	X					X	
W/B 47 <sup>th</sup> ST FROM LACROSS TO LAMON	35'	X					X	
W/B 47 <sup>th</sup> ST FROM LAMON TOLAPORT	234'	X		X				IN FRONT OF SCHOOL ADJACENT TO NEW SIDEWALKS
W/B 47 <sup>th</sup> ST FROM LAPORT - LAVERGNE	240'	X					X	IN FRONT OF SCHOOL FIELD JUST WEST OF SCHOOL DRIVEWAY 25' YELLOW PAINT FROM LIGHT POST TOWARDS DRIVEWAY (SEWER)
5036 47 <sup>th</sup> ST	26'	X					X	
W/B 47 <sup>th</sup> ST FROM LEAMINGTON - LARAMIE	80'	X					X	
5200 W 47 <sup>th</sup> ST	10'	X						ADJACENT TO STONE
W/B 47 <sup>th</sup> ST 5300 - 5330	18'	X						BETWEEN DRIVEWAYS ADJACENT TO ASPHALT

Location	Comb. Conc C&G / R & R Linear Feet	Bituminus Conc. Surface R & R Full Depth	Carriage Sidewalk	5' Parallel Sidewalk	Driveway	Handicap Walk	Grass	Remarks
2027 17 <sup>th</sup> Ave Broadview	50'	X					X	From 2027 to fire hydrant. Curb painted yellow by fire hydrant
2124 17 <sup>th</sup> Ave Broadview	120'	X		X				2124 to Animal Hospital Parts of curb painted yellow
2805 25 <sup>th</sup> Ave Broadview	50'	X		5'			45'	
E/B 22 <sup>nd</sup> St & 1 <sup>st</sup> Ave, North Riverside	30'	X						S/W radius corner adjacent to concrete
56 <sup>th</sup> Ct & 39 <sup>th</sup> Ave Cicero	35'	X						Curb at center island E/B 39 <sup>th</sup> St. Curb is adjacent to concrete and painted yellow.
E/B 39 <sup>th</sup> St & 56 <sup>th</sup> St Cicero	10'	X			2'		8'	Across from 56 <sup>th</sup> St at 2 <sup>nd</sup> driveway
E/B 39 <sup>th</sup> St 1/2 block east of Central, Stickney	8'	X					X	Start of turn bay for Morton College
E/B 39 <sup>th</sup> St One block E of Central, Stickney	40'	X					X	End of turn bay for Morton College, E/B 39 <sup>th</sup> St
E/B 39 <sup>th</sup> St 1/2 block west of Laramie, Stickney	10'	X					X	Start of turn bay for N/B Laramie Ave
39 <sup>th</sup> St @ Laramie Stickney	22'	X						Center Island Westside of Intersection Adjacent to Concrete Yellow Paint
E/B 39 <sup>th</sup> St @ Laramie, Stickney	10'	X					X	S/W Corner of intersection curb missing
E/B 39 <sup>th</sup> St 1/2 Block West of IL-50, Stickney	100'	X						Total end cap for center island just west of Cicero Ave. Adjacent to concrete yellow paint
5000 W 39 <sup>th</sup> St Stickney	15'	X					X	First curb before driveway entrance
W/B 39 <sup>th</sup> St in front of Waste Management Station	10'	X					X	At driveway of Waste Management garage
5050 39 <sup>th</sup> St	20'	X					X	From driveway entrance
5050 39 <sup>th</sup> St Stickney	20'	X						Center Island End Cap Adjacent to concrete, yellow paint
W/B 39 <sup>th</sup> St @ Morton College, Cicero	10'	X					X	Lane 2 curb, located along the center of Soccer Field
W/B 39 <sup>th</sup> St @ College Entrance, Cicero	30'	X					X	East and West End Caps for Center Island Yellow Paint
5541 26 <sup>th</sup> St Cicero	100'	X					X	From Central Ave East 100'
5021 26 <sup>th</sup> St Cicero	20'	X			70'			Where alley meets 26 <sup>th</sup> St
Rte 38 & Laramie Cicero	15'	X		X		X		S/W Corner Curb Missing
Across from 5009 W. Ogden, Cicero	5'	X					X	By Truck Entrance
Ogden Ave & 50 <sup>th</sup> Ct, Cicero	5'	X					X	North Side of Street
Across from 5109 Ogden Ave, Cicero	5'	X					X	Across from address given.
Ogden Ave & Central, Cicero	5'	X					X	North Side of Street at Driveway Entrance
6020 W Ogden Ave Cicero	5'	X					X	
6036 W Ogden Ave Cicero	5'	X					X	
6100 W Ogden Ave Cicero	5'	X					X	
6139 W Ogden Ave Cicero	5'	X					X	
6019 W Ogden Ave - Cicero	5'	X					X	

REVISIONS	
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SCHEDULE OF QUANTITIES  
 VARIOUS ROUTES  
 CURB AND GUTTER REPAIR

SCALE: VERT. 1"=50'  
 HORIZ. 1"=50'  
 DATE 8/30/2005

DRAWN BY  
 CHECKED BY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2004-083 I	COOK	40	7
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	

CONTRACT NO.: 62825

# SCHEDULE OF QUANTITIES

Location	Comb. Conc C&G / R & R Linear Feet	Bituminus Conc. Surface R & R Full Depth	Carriage Sidewalk	5' Parallel Sidewalk	Driveway	Handicap Walk	Grass	Remarks
5951 W Ogden Ave Cicero	5'	X					X	
Ogden And Central Cicero	5'	X					X	Southwest Corner
5335 W Ogden Ave Cicero	10'	X					X	
4920 - 4928 26 <sup>th</sup> St Cicero	50'	X		X				
5000 W 26 <sup>th</sup> St Cicero	10'	X					X	
5137 W 26 <sup>th</sup> St Cicero	15'	X					X	
5144 W 26 <sup>th</sup> St Cicero	20'	X					X	
5244 W 26 <sup>th</sup> St Cicero	5'	X					X	
5614 W 26 <sup>th</sup> St Cicero	5'	X					X	
5630 W 26 <sup>th</sup> St Cicero	5'	X					X	
5644 W 26 <sup>th</sup> St Cicero	5'	X					X	
5804 W 26 <sup>th</sup> St Cicero	10'	X					X	
5838 W 26 <sup>th</sup> St Cicero	5'	X					X	
5936 W 26 <sup>th</sup> St Cicero	5'	X					X	
6104 W 26 <sup>th</sup> St Cicero	5'	X					X	
61 <sup>st</sup> Ave @ 26 <sup>th</sup> St Cicero	5'	X					X	
6141 W 26 <sup>th</sup> St Cicero	5'	X					X	
6125 W 26 <sup>th</sup> St Cicero	10'	X					X	
26 <sup>th</sup> & Austin Blvd Cicero	5'	X					X	10' East of Austin Blvd.
5803 W 26 <sup>th</sup> St Cicero	5'	X					X	
W/B 79 <sup>th</sup> ST WEST OF OAK PARK AVE	60'	X					X	PREVIOUS DRIVEWAY - NEEDS C&G IN FRONT OF KASCH CARS
W/B 79 <sup>th</sup> ST 6842	16'	X			14' OF 16'		2' OF 16'	
E/B 79 <sup>th</sup> ST 6955	19'	X					X	WEST OF CROSSWALK
E/B 79 <sup>th</sup> ST 6941	6'	X			X			EAST OF SEWER
E/B 79 <sup>th</sup> ST 6889	23'	X			4' OF 23'		19' OD 23'	
E/B 79 <sup>th</sup> ST 6817	22'	X			14' OF 22'		8' OF 22'	
E/B 79 <sup>th</sup> ST 6815	14'	X			X			
E/B 79 <sup>th</sup> ST 6805	14'	X			X			
E/B 79 <sup>th</sup> ST 6789	5'	X					X	WEST OF DRIVEWAY
E/B 79 <sup>th</sup> ST AT SW CORNER OF NARMANDY	13'	X					X	3' OF 13' ADJACENT TO PAVING BRICKS
7900 S. NAGLE DRIVEWAY LOCATED ON 79 <sup>th</sup> ST	28'	X			X			ASPHALT DRIVE
E/B 79 <sup>th</sup> ST 6405	11'	X			X			JUST EAST OF NAGLE
E/B 79 <sup>th</sup> ST WEST OF MOBILE	6'	X					X	23' WEST OF AUTO RITE DRIVEWAY
E/B 79 <sup>th</sup> ST 6241	46'	X			40' OF 46'		6' OF 46'	FROM DRIVEWAY EAST
E/B 79 <sup>th</sup> ST 6223	31'	X					X	START FROM CORNER EAST PREVIOUSLY DRIVEWAY NEEDS C&G

Location	Comb. Conc C&G / R & R Linear Feet	Bituminus Conc. Surface R & R Full Depth	Carriage Sidewalk	5' Parallel Sidewalk	Driveway	Handicap Walk	Grass	Remarks
E/B 79 <sup>th</sup> ST 6153	29'	X					X	BETWEEN DRIVEWAYS
E/B 79 <sup>th</sup> ST 6139	31'	X					X	BETWEEN DRIVEWAYS
E/B 79 <sup>th</sup> ST 6051	8'	X					X	
E/B 79 <sup>th</sup> ST WEST OF AUSTIN	5'	X					X	JUST WEST OF BUS STOP
E/B 79 <sup>th</sup> ST AT AUSTIN AVE	24'	X					X	PREVIOUSLY DRIVEWAY NEEDS C&G
E/B 79 <sup>th</sup> ST 5701	39'	X					X	13' EAST OF SIDEWALK AT MASSASOIT BALANCE BETWEEN MASSASOIT AND MAJOR
E/B 79 <sup>th</sup> ST 5405	26'	X					X	WEST OF DRIVEWAY
E/B 79 <sup>th</sup> ST AT SW CORNER OF LOREL	9'	X						CORNER RADIUS ADJ. TO STONE
E/B 79 <sup>th</sup> ST AT SE CORNER OF LOREL	9'	X					X	CORNER RADIUS
E/B 79 <sup>th</sup> ST 5323	5'	X					X	EAST OF DRIVEWAY
E/B 79 <sup>th</sup> ST 5303	9'	X					X	WEST OF SEWER
E/B 79 <sup>th</sup> ST 5001	30'	X			X			EAST ENTRANCE TO CEZARS INN
E/B 79 <sup>th</sup> ST AT SE CORNER OF LAYERDNE	14'	X					X	CORNER RADIUS ADJ. TO WATER CAP
E/B 79 <sup>th</sup> ST 4901	5'	X					X	AROUND SEWER
E/B 79 <sup>th</sup> ST AT SW CORNER OF LAMON	15'	X						CORNER RADIUS ADJACENT TO PAVING BRICKS
E/B 79 <sup>th</sup> ST AT SE CORNER OF LAMON	13'	X					X	CORNER RADIUS
E/B 79 <sup>th</sup> ST AT NEWCASTLE	55'	X						DEPRESSED CURB ADJOINING STREETS
E/B 79 <sup>th</sup> ST AT OAK PARK AVE	72'	X						DEPRESSED CURB ADJOINING STREETS
E/B 79 <sup>th</sup> ST AT NATOMA	51'	X						DEPRESSED CURB ADJOINING STREETS
E/B 79 <sup>th</sup> ST AT NASHVILLE	55'	X						DEPRESSED CURB ADJOINING STREETS
E/B 79 <sup>th</sup> ST AT MULLIGAN	63'	X						DEPRESSED CURB ADJOINING STREETS
E/B 79 <sup>th</sup> ST AT MERRIMAC	55'	X						DEPRESSED CURB ADJOINING STREETS
E/B 79 <sup>th</sup> ST AT AUSTIN AVE	66'	X						DEPRESSED CURB ADJOINING STREETS
E/B 79 <sup>th</sup> ST AT MASON	55'	X						DEPRESSED CURB ADJOINING STREETS
E/B 79 <sup>th</sup> ST AT MAYFIELD	55'	X						DEPRESSED CURB ADJOINING STREETS
E/B 79 <sup>th</sup> ST AT MANSFIELD	63'	X						DEPRESSED CURB ADJOINING STREETS
E/B 79 <sup>th</sup> ST AT MAJOR	5'	X						DEPRESSED CURB ADJOINING STREETS
E/B 79 <sup>th</sup> ST AT PARKSIDE	16'	X						DEPRESSED CURB ADJOINING STREETS
E/B 79 <sup>th</sup> ST AT LONG AVE	51'	X						DEPRESSED CURB ADJOINING STREETS
E/B 79 <sup>th</sup> ST AT LATROBE	55'	X						DEPRESSED CURB ADJOINING STREETS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
SCHEDULE OF QUANTITIES  
VARIOUS ROUTES  
CURB AND GUTTER REPAIR

SCALE: VERT. 1"=50'  
HORIZ. 1"=50'  
DATE 8/30/2005

DRAWN BY  
CHECKED BY

# SCHEDULE OF QUANTITIES

Location	Comb. Conc C&G / R & R Linear Feet	Bituminus Conc. Surface R & R Full Depth	Carriage Sidewalk	5' Parallel Sidewalk	Driveway	Handicap Walk	Grass	Remarks
E/B 79 <sup>TH</sup> ST AT LARAMIE	48'	X						DEPRESSED CURB ADJOINING STREETS
E/B 79 <sup>TH</sup> ST AT LAVERGNE	37'	X						DEPRESSED CURB ADJOINING STREETS
E/B 79 <sup>TH</sup> ST AT LAMON	13'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST AT LAMON	34'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST AT LAPORTE	55'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST AT LAVERGNE	21'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST AT LAWLER	55'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST AT LECLAIRE	55'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST AT LEAMINGTON	59'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST AT LARAMIE	36'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST AT LATROBE	58'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST AT LOCKWOOD	37'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST AT LOREL	58'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST AT LINDER	65'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST LUNA	65'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST AT PARKSIDE	80'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST AT MAJOR	64'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST AT MONITOR	66'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST AT MAYFIELD	55'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST AT AUSTIN	65'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST AT MCVICKER	32'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST AT MELVINA	28'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST AT MERRIMAC	64'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST AT MOBILE	68'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST AT NATCHEZ	64'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST AT NASHVILLE	54'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST AT NATOMA	55'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST AT NEWCASTLE	55'	X						DEPRESSED CURB ADJOINING STREETS
W/B 79 <sup>TH</sup> ST AT NEW ENGLAND	54'	X						DEPRESSED CURB ADJOINING STREETS

Location	Comb. Conc C&G / R & R Linear Feet	Bituminus Conc. Surface R & R Full Depth	Carriage Sidewalk	5' Parallel Sidewalk	Driveway	Handicap Walk	Grass	Remarks
W/B 79 <sup>TH</sup> St 4846	14'	X					X	WEST DRIVEWAY ENTRANCE TO STRIP CENTER CORNER RADIUS.
W/B 79 <sup>TH</sup> St 4900	20'	X					X	WEST OF CORNER
W/B 79 <sup>TH</sup> St 4902	5'	X					X	
W/B 79 <sup>TH</sup> St 4950	10'	X					X	SHEEY FUNERAL HOME'S ADDITIONAL PARKING LOT 5' - 90' EAST OF CORNER OF LAPORTE 5' - 50' EAST OF CORNER OF LAPORTE
W/B 79 <sup>TH</sup> St 4950	40'	X	X					5' - NW CORNER OF LAPORTE NEAR DRIVEWAY 10' - BETWEEN DRIVEWAYS EAST OF ENTRANCE 25' - WEST OF FUNERAL HOME DRIVEWAY ENTRANCE
W/B 79 <sup>TH</sup> St 5004	5'	X					X	JUST WEST OF N/W CORNER OF LAVERGNE
W/B 79 <sup>TH</sup> St 5030	12'	X					X	8' - N/E CORNER OF LAWLER 4' - EAST OF CORNER
W/B 79 <sup>TH</sup> St 5034	10'	X					X	WEST OF LAWLER BETWEEN CORNER & SEWER.
W/B 79 <sup>TH</sup> St 5120 - 5124	25'	X			6' OF 25' GRAVEL		19' OF 25'	6' ADJACENT TO GRAVEL DRIVEWAY
W/B 79 <sup>TH</sup> St 5132	11'	X					X	START 5' FROM N/E CORNER OF LEAMINGTON
W/B 79 <sup>TH</sup> St 5134 - 5136	10'	X					X	FROM N/W CORNER OF LEAMINGTON TO DRIVEWAY
W/B 79 <sup>TH</sup> St 5136	20'	X			X			ASPHALT DRIVEWAY
W/B 79 <sup>TH</sup> St 788 S LARAMIE CURB LOCATED ON 79 <sup>TH</sup>	53'	X			25' OF 53'		28' OF 53'	
W/B 79 <sup>TH</sup> St AT N/E CORNER OF LATROBE	17'	X						CORNER RADIUS ADJACENT TO STONE AND DIRT.
W/B 79 <sup>TH</sup> St AT N/W CORNER OF LATROBE	18'	X		X				CORNER RADIUS ADJACENT TO CONCRETE BETWEEN CORNER OF LATROBE TO DRIVEWAY.
W/B 79 <sup>TH</sup> ST 5242	36'	X					X	CORNER RADIUS ADJACENT TO PAVING BRICKS
W/B 79 <sup>TH</sup> ST NE CORNER OF LOCKWOOD	5'	X					X	CORNER RADIUS EAST OF SIDEWALK
W/B 79 <sup>TH</sup> ST NW CORNER OF LOCKWOOD	5'	X					X	
W/B 79 <sup>TH</sup> ST NE CORNER OF LOREL	23'	X				8' OF 23'	15' OF 23'	CORNER RADIUS
W/B 79 <sup>TH</sup> ST NW CORNER OF LOREL	5'	X					X	CORNER RADIUS
W/B 79 <sup>TH</sup> ST 5406	5'	X					X	EAST OF SEWER
W/B 79 <sup>TH</sup> ST 5448	21'	X			X			ASPHALT DRIVEWAY
W/B 79 <sup>TH</sup> ST 5500	23'	X			20' OF 23'		3' OF 23'	
W/B 79 <sup>TH</sup> ST 5600	85'	X		10' OF 85'	75' OF 85'			CONCRETE DRIVEWAY
W/B 79 <sup>TH</sup> ST 5618	13'	X			X			ASPHALT DRIVEWAY
W/B 79 <sup>TH</sup> ST 5620	25'	X			X			ASPHALT DRIVEWAY
W/B 79 <sup>TH</sup> ST 5624	24'	X					X	SEWER WEST TO DRIVEWAY
W/B 79 <sup>TH</sup> ST 5710	28'	X			24' OF 28'		4' OF 28'	
W/B 79 <sup>TH</sup> ST 5730	20'	X			17' OF 20'		3' OF 20'	CARQUEST AUTO PARTS
W/B 79 <sup>TH</sup> ST 5748	5'	X					X	EAST OF SEWER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SCHEDULE OF QUANTITIES  
 VARIOUS ROUTES  
 CURB AND GUTTER REPAIR

SCALE: VERT. 1"=50'  
 HORIZ.  
 DATE 8/30/2005  
 DRAWN BY  
 CHECKED BY



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2004-083 I	COOK	40	9
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	HIGHWAY PROJECT		

CONTRACT NO.: 62825

# SCHEDULE OF QUANTITIES

Location	Comb. Conc C&G / R & R Linear Feet	Bituminous Conc. Surface R & R Full Depth	Carriage Sidewalk	5' Parallel Sidewalk	Driveway	Handicap Walk	Grass	Remarks
W/B 79 <sup>TH</sup> ST N/W CORNER OF MAYFIELD	13'	X					X	CORNER RADIUS
W/B 79 <sup>TH</sup> ST 5934	5'	X					X	
W/B 79 <sup>TH</sup> ST 6000	75'	X	X					BETWEEN CORNER AND DRIVEWAY
W/B 79 <sup>TH</sup> ST 6058	8'	X					X	EAST OF SEWER
W/B 79 <sup>TH</sup> ST 6118	14'	X			12' OF 14'		2' OF 14'	CONCRETE DRIVE
W/B 79 <sup>TH</sup> ST 6120	14'	X			X			CONCRETE DRIVE
W/B 79 <sup>TH</sup> ST 6134	14'	X			X			CONCRETE DRIVE
W/B 79 <sup>TH</sup> ST 6212	18'	X			16' OF 18'		2' OF 18'	
W/B 79 <sup>TH</sup> ST WEST OF MERRIMAC	81'	X					X	VARIOUS LOCATIONS BETWEEN MERRIMAC AND MOBILE IN FRONT OF SCHOOL
W/B 79 <sup>TH</sup> ST NE CORNER OF MERRIMAC	9'	X				X		
W/B 79 <sup>TH</sup> ST 6510	17'	X			12' OF 17'		5' OF 17'	SHOULD REPAIR 9' OF APRON DUE FROM SEWER DAMAGE
W/B 79 <sup>TH</sup> ST 6550	6'	X					X	EAST OF E&J DELI DRIVEWAY
W/B 79 <sup>TH</sup> ST AT NATOMA	21'	X					X	FROM N/E CORNER OF NATOMA
W/B 79 <sup>TH</sup> ST AT N/W CORNER OF NATOMA	8'	X					X	CORNER RADIUS
W/B 79 <sup>TH</sup> ST AT NE CORNER OF NEWCASTLE	16'	X		5' OF 16'			11' OF 16'	CORNER RADIUS

REVISIONS	
NAME	DATE

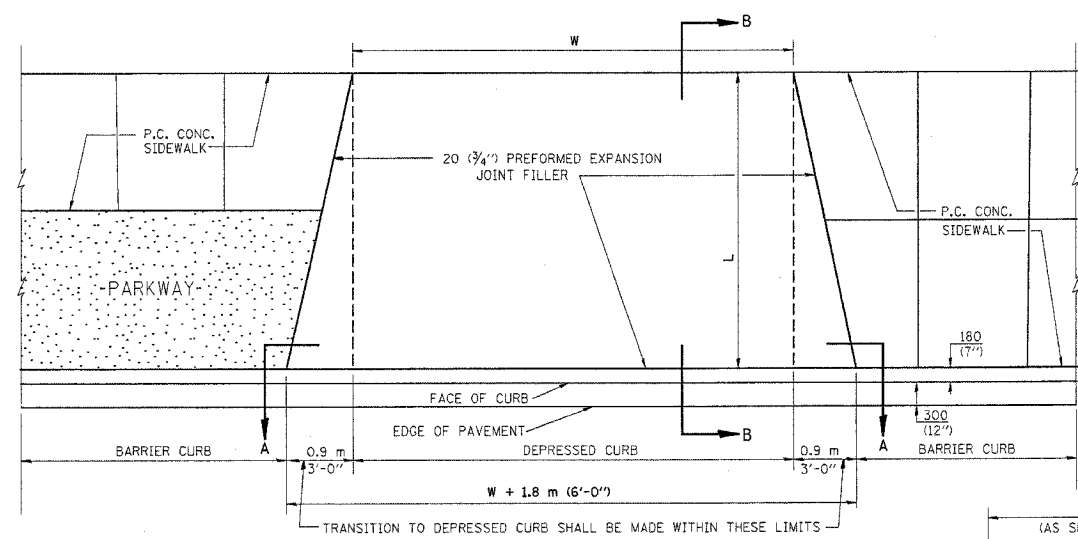
ILLINOIS DEPARTMENT OF TRANSPORTATION  
SCHEDULE OF QUANTITIES  
VARIOUS ROUTES  
CURB AND GUTTER REPAIR

SCALE: VERT. 1"=50'  
HORIZ. 1"=50'  
DATE 8/30/2005

DRAWN BY  
CHECKED BY

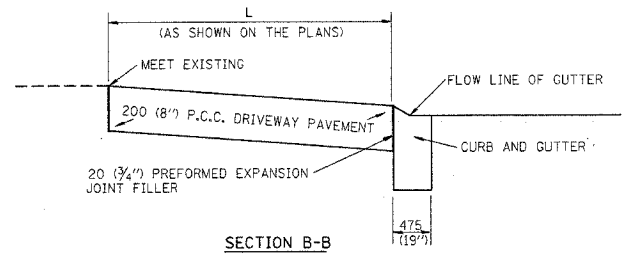
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2004-083 I	COOK	40	10
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62825

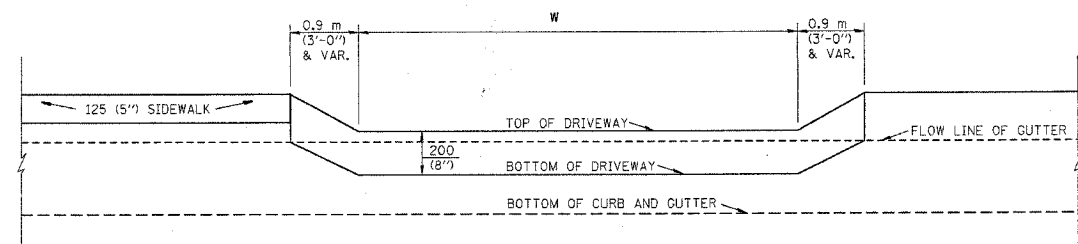


PLAN VIEW

- NOTES:
1. EXPANSION JOINTS SHALL BE CONSTRUCTED AS SHOWN ON THE DETAILS FOR P.C.C. SIDEWALK.
  2. THE CURB BETWEEN ADJACENT DRIVEWAYS SHALL BE FULL HEIGHT FOR A DISTANCE OF AT LEAST FOUR 1.2 METERS (4 FEET).
  3. P.C. CONCRETE DRIVEWAYS SHALL BE CONSTRUCTED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
  4. 20 (3/4) PREFORMED EXPANSION JOINTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO P.C.C. DRIVEWAY PAVEMENT 200 (8").
  5. COMBINATION CONC. CURB AND GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE TRANSITION CURB AND GUTTER.

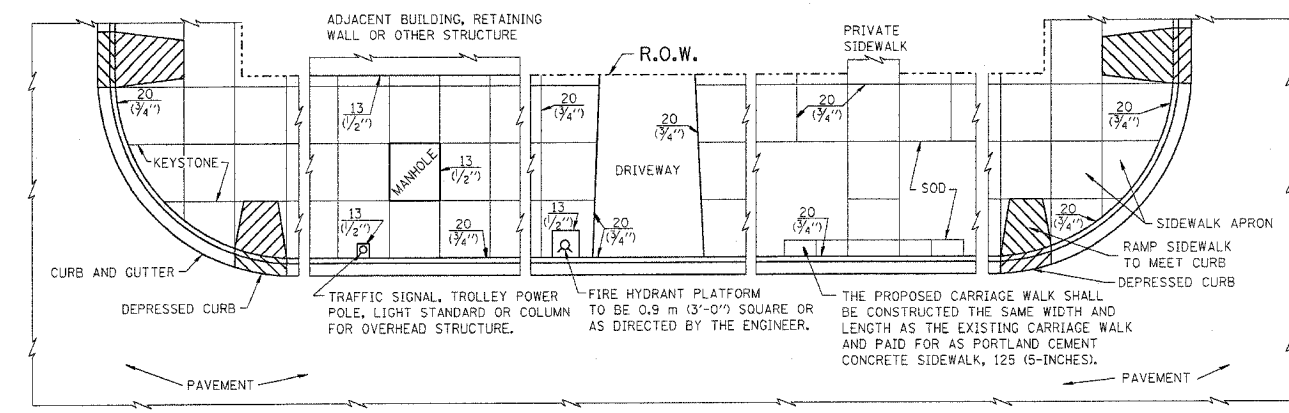


SECTION B-B



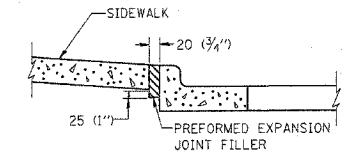
SECTION A-A

P.C.C. DRIVEWAY PAVEMENT DETAIL



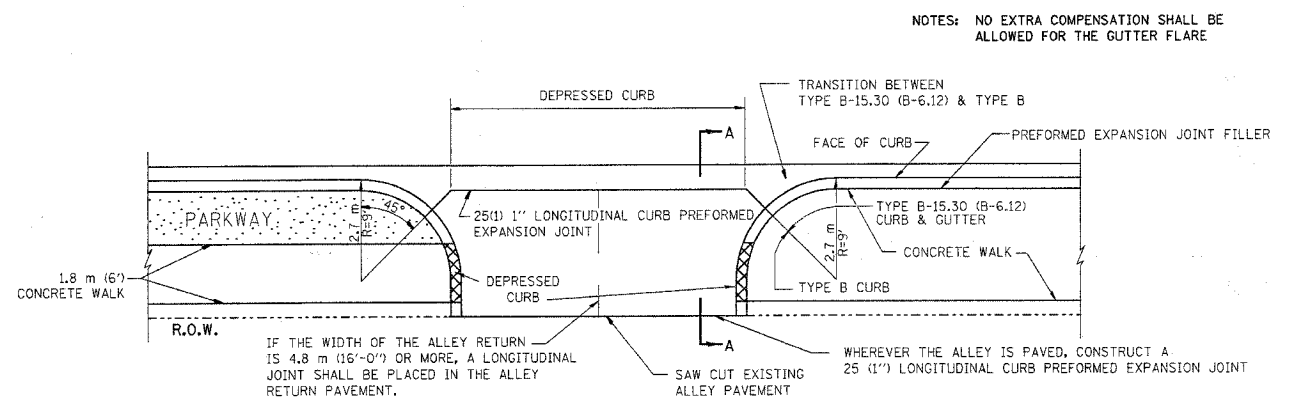
NOTES:

1. ONE-HALF INCH THICK EXPANSION JOINTS SHALL BE PLACED BETWEEN THE SIDEWALK AND ALL STRUCTURES SUCH AS LIGHT STANDARDS, TRAFFIC LIGHT STANDARDS, MANHOLES, WHICH EXTEND THROUGH THE SIDEWALK.
2. 20 (3/4) THICK EXPANSION JOINTS SHALL BE PLACED AT INTERVALS OF NOT MORE THAN 30 METERS (100 FEET) IN THE SIDEWALK. WHERE THE SIDEWALK IS CONSTRUCTED ADJACENT TO PAVEMENT OR CURB HAVING EXPANSION JOINTS, THE EXPANSION JOINTS IN THE SIDEWALK SHALL BE PLACED OPPOSITE THE EXISTING EXPANSION JOINTS AS NEARLY AS PRACTICABLE. EXPANSION JOINTS SHALL ALSO BE PLACED WHERE THE SIDEWALK ABUTS EXISTING SIDEWALKS, BETWEEN DRIVEWAY PAVEMENT AND SIDEWALK, AND BETWEEN SIDEWALK AND CURBS WHERE THE SIDEWALK ABUTS A CURB.

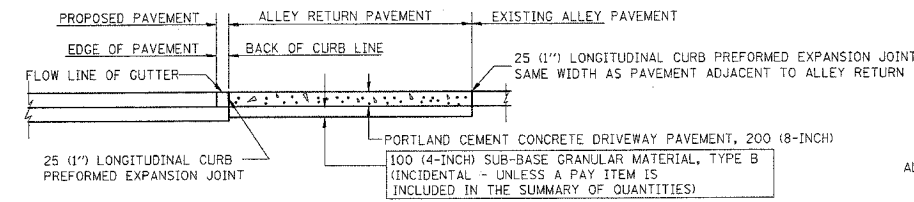


SLOPE FOR SIDEWALK  
25 (1) IN 0.9 m (3'-0) IN CHICAGO

PORTLAND CEMENT CONCRETE SIDEWALK DETAILS



NOTES: NO EXTRA COMPENSATION SHALL BE ALLOWED FOR THE GUTTER FLARE



SECTION A-A

ALLEY RETURN DETAIL

REVISIONS	
NAME	DATE
M. DE YONG	06/13/90

ILLINOIS DEPARTMENT OF TRANSPORTATION  
CITY OF CHICAGO  
DETAILS FOR P.C. CONCRETE DRIVEWAY, ALLEY RETURN AND SIDEWALK

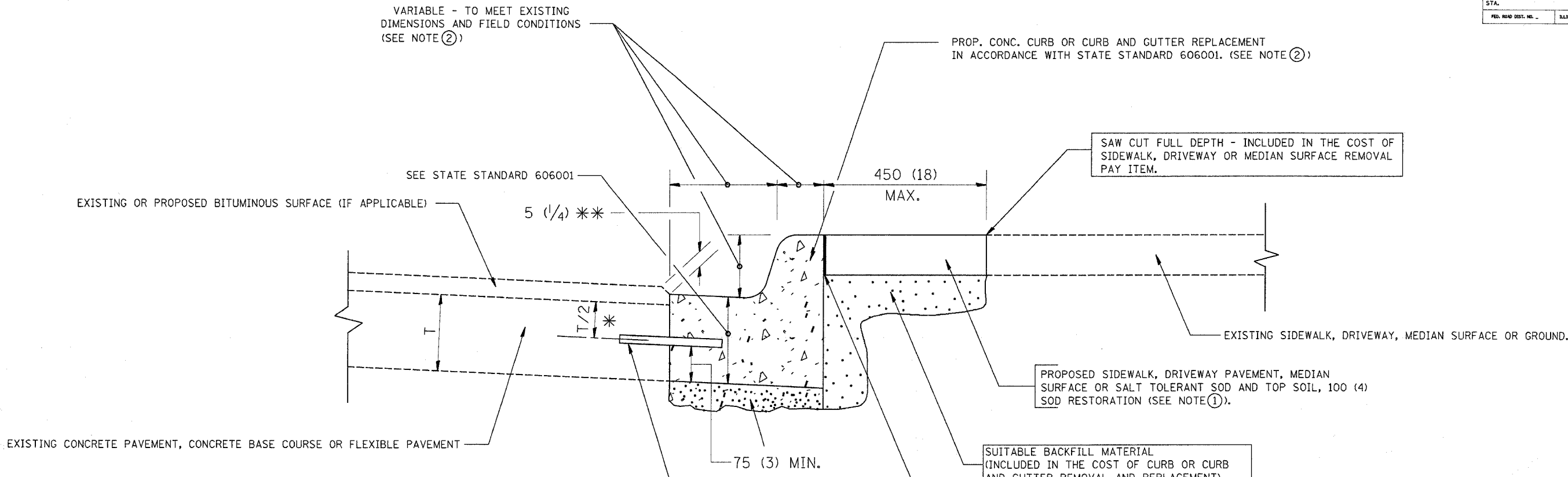
SCALE: VERT. HORIZ. DATE 9/7/2005

DRAWN BY CHECKED BY

BD400-03 (BD-17) REVISION DATE: 06/13/90

F. & A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2004-083 I	COOK	40	11
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62825



\* 75 (3) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.  
 \*\* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

- NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
- SALT TOLERANT SOD AND TOP SOIL, 100 (4) RESTORATION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ② CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- ③ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- ④ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑤ THE COST OF BITUMINOUS SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑥ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- ⑦ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

**BASIS OF PAYMENT:**  
 THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER METER (FOOT) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

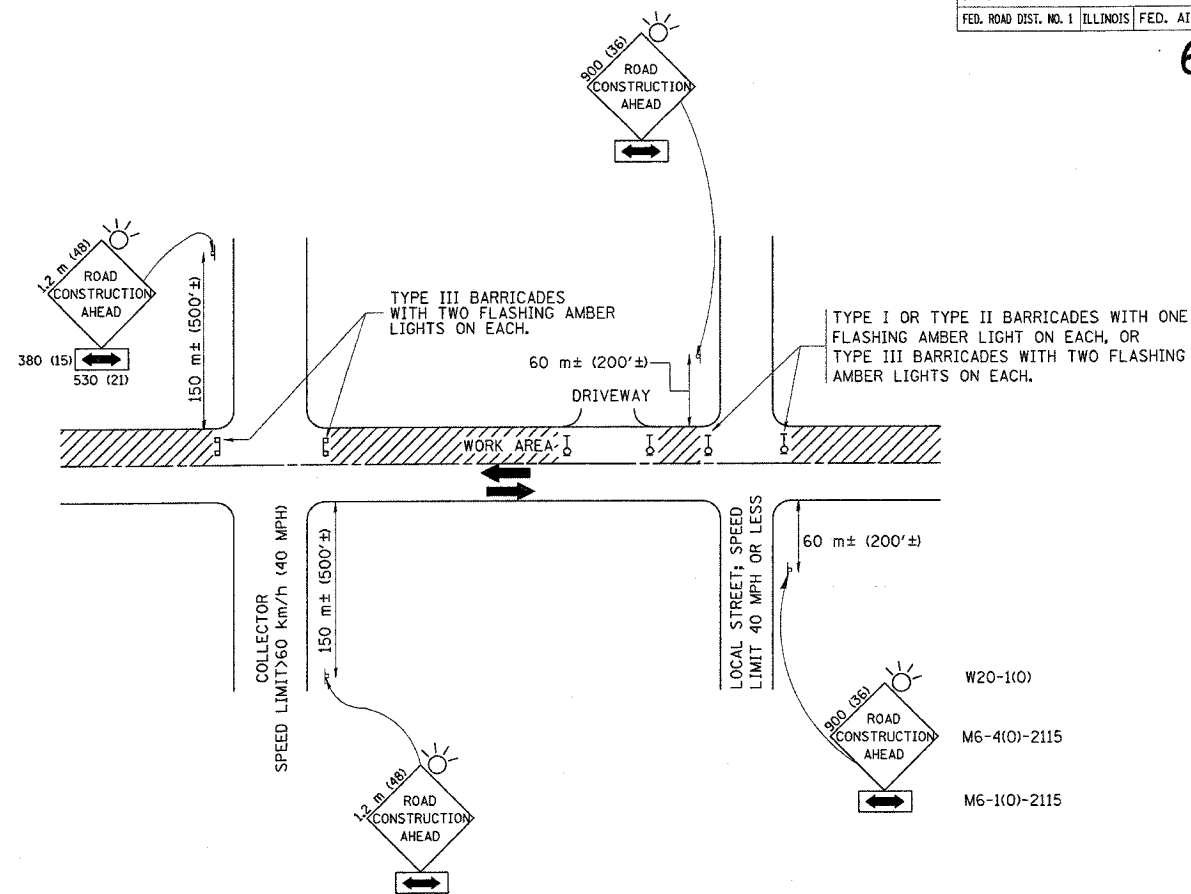
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

## CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

REVISIONS	
NAME	DATE
M. DE YONG	05/28/91
A. HOUSEH	03/11/94
R. SHAH	02/24/95
R. SHAH	03/02/95
R. SHAH	08/19/96
R. SHAH	09/12/96
R. SHAH	09/19/96
R. SHAH	10/03/96
A. ABBAS	03/21/97
M. GOMEZ	01/22/01

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CURB OR  
 CURB AND GUTTER  
 REMOVAL AND REPLACEMENT**

SCALE: NONE  
 DATE: 9/7/2005  
 DRAWN BY:  
 CHECKED BY:  
 80600-06 (80-24)



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

- SIDE ROAD WITH A SPEED LIMIT OF 60 km/h (40 MPH) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE ROAD CONSTRUCTION AHEAD SIGN 900x900 (36x36) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 60 m (200') IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 60 km/h (40 MPH) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE ROAD CONSTRUCTION AHEAD SIGN 1.2 m x 1.2 m (48x48) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 150 m (500') IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TRAFFIC CONTROL AND PROTECTION  
 FOR  
 SIDE ROADS, INTERSECTIONS, AND  
 DRIVEWAYS**

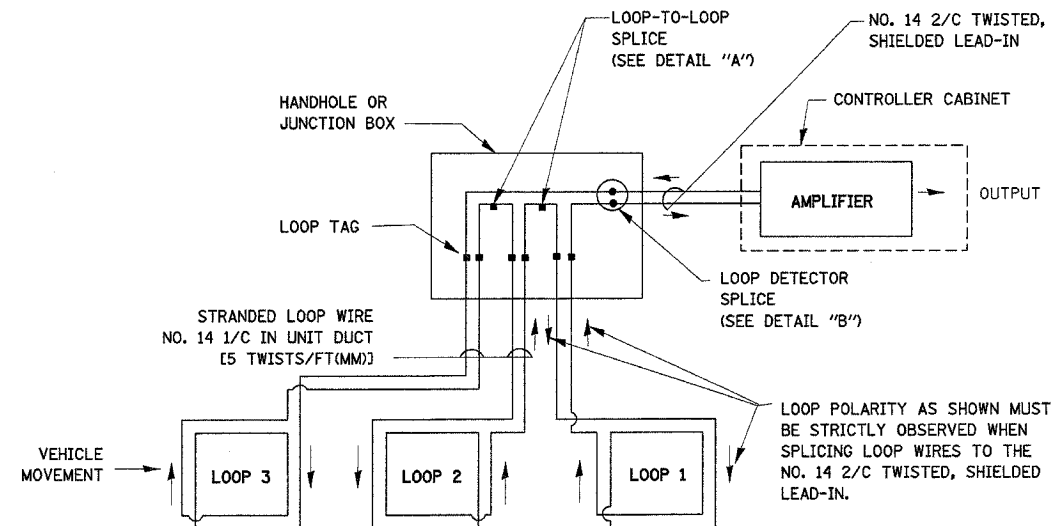
SCALE: VERT.  
 HORIZ.  
 DATE 9/7/2005

DRAWN BY  
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 TC-10

REVISION DATE: 01/06/00

**LOOP DETECTOR NOTES**

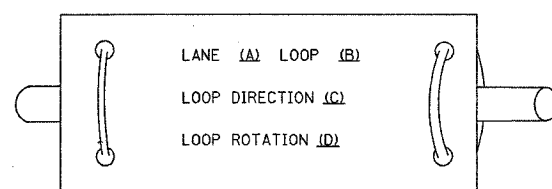
1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.



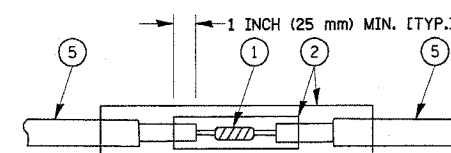
**DETECTOR LOOP WIRING SCHEMATIC**

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

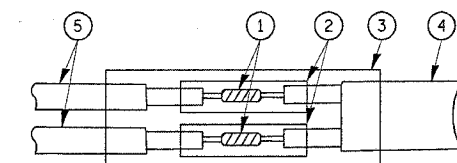
**LOOP LEAD-IN CABLE TAG**



- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



**DETAIL "A"  
LOOP-TO-LOOP SPLICE**



**DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE**

**LOOP DETECTOR SPLICE**

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

REVISIONS	
NAME	DATE
CADD	5/30/00
ADD NOTE NO. 8	11/12/01
BUREAU OF TRAFFIC	1-01-02

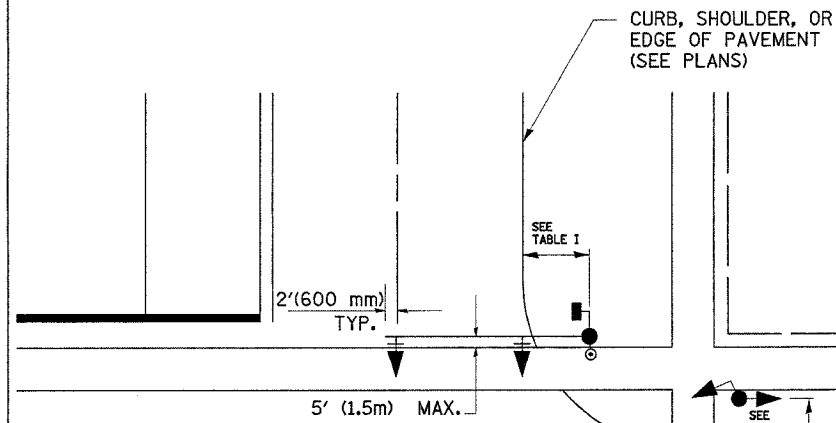
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL  
DESIGN DETAILS**

SCALE: VERT. NONE  
HORIZ. NONE  
DATE 9/2/2005

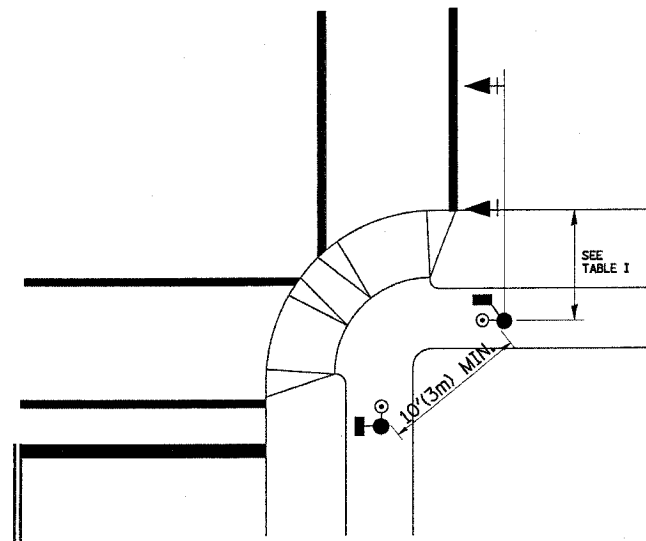
DRAWN BY: RWP  
DESIGNED BY: DAD  
CHECKED BY: DAZ  
SHEET 1 OF 4

**TRAFFIC SIGNAL MAST ARM AND POST**

MAST ARM MOUNTED SIGNAL IN PROPOSED & FUTURE SIDEWALK AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNAL AND PUSHBUTTON DETECTOR



**PEDESTRIAN SIGNAL PUSHBUTTON**



RECOMMENDED PUSHBUTTON LOCATIONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE IN ACCORDANCE WITH THE CURRENT MUTCD (SEE NOTE 1). TO MEET MUTCD REQUIREMENTS, PEDESTRIAN SIGNAL PUSHBUTTONS MAY HAVE TO BE MOUNTED ON A SEPARATE POST.

**NOTES:**

- AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS WITH PEDESTRIAN ACTUATION, EACH PUSHBUTTON SHALL ACTIVATE BOTH THE WALK INTERVAL AND THE ACCESSIBLE PEDESTRIAN SIGNALS.  
 AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS, PUSHBUTTONS SHOULD CLEARLY INDICATE WHICH CROSSWALK SIGNAL IS ACTUATED BY EACH PUSHBUTTON. PUSHBUTTONS AND TACTILE ARROWS SHOULD HAVE HIGH VISUAL CONTRAST (SEE THE DEPARTMENT OF JUSTICE'S AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN, 1991). TACTILE ARROWS SHOULD POINT IN THE SAME DIRECTION AS THE ASSOCIATED CROSSWALK. AT CORNERS OF SIGNALIZED LOCATIONS WITH ACCESSIBLE PEDESTRIAN SIGNALS WHERE PEDESTRIAN PUSHBUTTONS ARE PROVIDED, THE PUSHBUTTONS SHOULD BE SEPARATED BY THE DISTANCE OF AT LEAST 10 FT (3m). THIS ENABLES PEDESTRIANS WHO HAVE VISUAL DISABILITIES TO DISTINGUISH AND LOCATE THE APPROPRIATE PUSHBUTTON.  
 PUSHBUTTONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHOULD BE LOCATED AS FOLLOWS:  
 A: ADJACENT TO A LEVEL ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR, AND WHERE THERE IS AN ALL WEATHER SURFACE, WHEELCHAIR ACCESSIBLE ROUTE TO THE RAMP.  
 B: WITHIN 5 FT (1.5m) OF THE CROSSWALK EXTENDED.  
 C: WITHIN 10 FT (3m) OF THE EDGE OF CURB, SHOULDER, OR PAVEMENT.  
 D: PARALLEL TO THE CROSSWALK TO BE USED (SEE MUTCD FIGURE 4E-2).  
 E: NORMAL PEDESTRIAN PUSHBUTTON MOUNTING HEIGHT SHOULD BE 3.5 FT (1.05m) ABOVE ADJACENT SIDEWALK.
- PEDESTRIAN SIGNAL FACES SHALL BE MOUNTED WITH THE BOTTOM OF THE HOUSING NOT LESS THAN 8 FT (2.4m) NOR MORE THAN 10 FT (3.0m) ABOVE THE SIDEWALK LEVEL AND SO THERE IS A PEDESTRIAN INDICATION IN THE LINE OF PEDESTRIANS' VISION WHICH PERTAINS TO THE CROSSWALK BEING USED.
- THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, NOT MOUNTED OVER A ROADWAY, SHALL BE AT LEAST 10 FT (3.0m) BUT NOT MORE THAN 15 FT (4.5m) ABOVE THE SIDEWALK OR, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE HIGHWAY IF NO SIDEWALKS EXIST.
- THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, MOUNTED OVER A ROADWAY, SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001 AND 877006. (16 FT (5m) MIN., 18 FT (5.5m) MAX., FROM HIGHEST POINT OF PAVEMENT)

**PEDESTRIAN SIGNAL POST**

PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON DETECTOR LOCATION

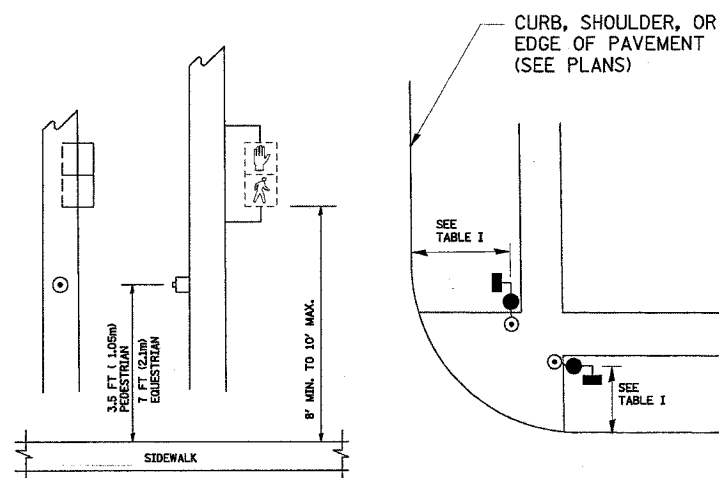


TABLE I

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MIN. DIST. FROM BACK OF CURB)	SHOULDER/NON-CURBED AREA (MIN. DIST. FROM EDGE OF PAVEMENT)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN PUSHBUTTON	SEE NOTE 1	SEE NOTE 1

REVISIONS	
NAME	DATE
BUREAU OF TRAFFIC	1/01/02

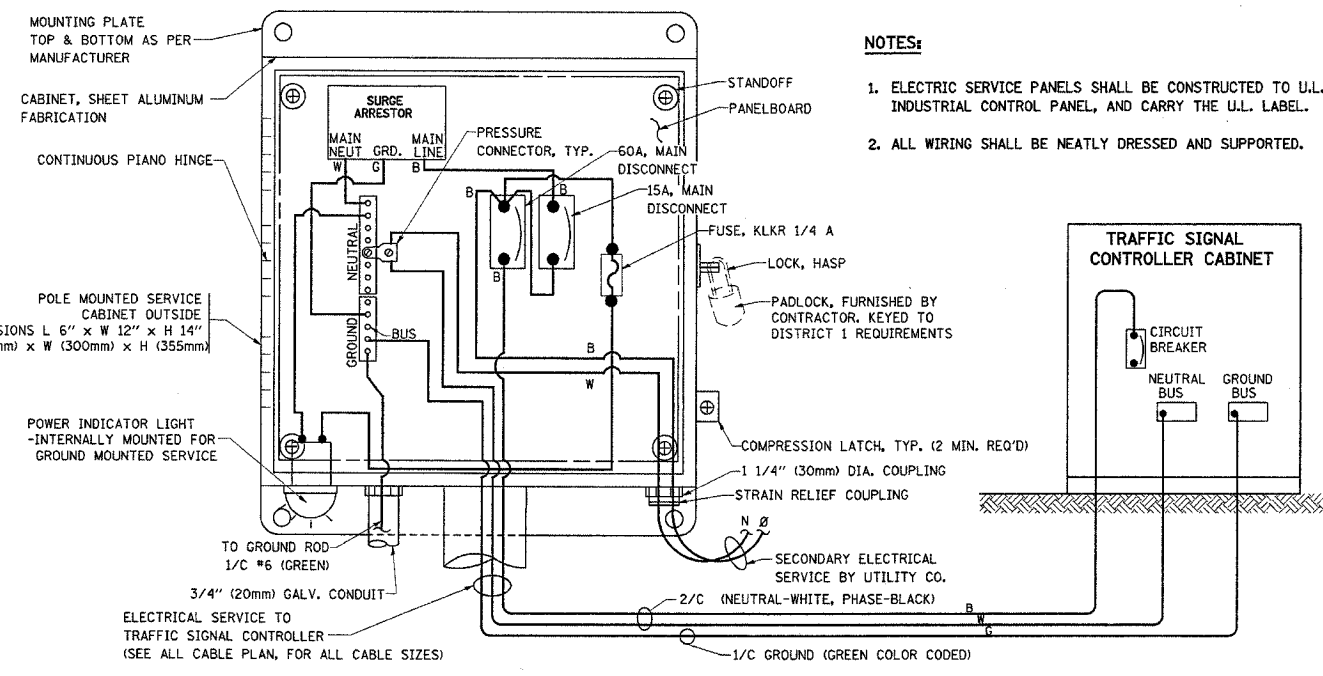
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DISTRICT 1**  
**STANDARD TRAFFIC SIGNAL**  
**DESIGN DETAILS**  
 SCALE: VERT. NONE  
 DATE 9/2/2005  
 DRAWN BY: RWP  
 DESIGNED BY: DAD  
 CHECKED BY: DAZ  
 SHEET 2 OF 4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
VAB	2004-083 J	COOK	40 15
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

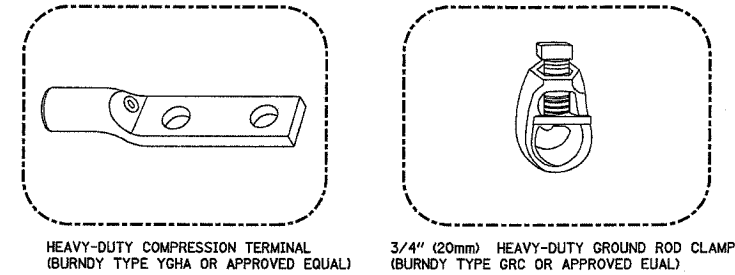
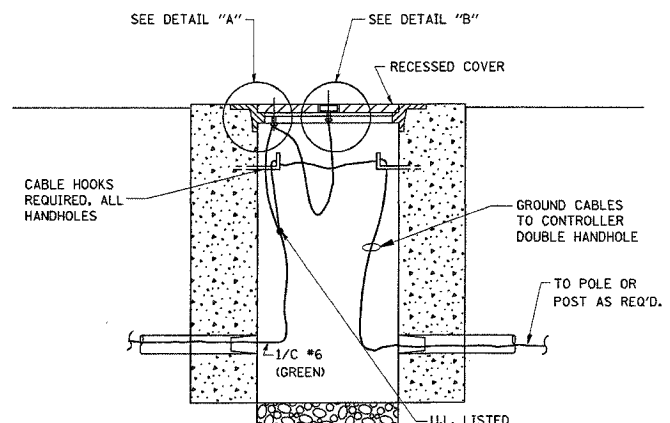
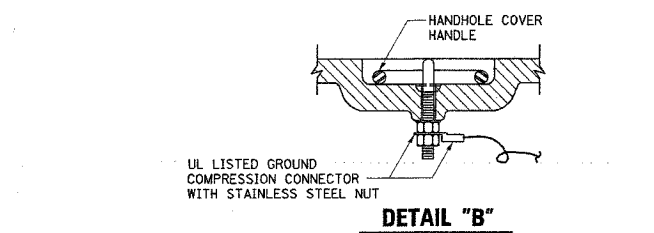
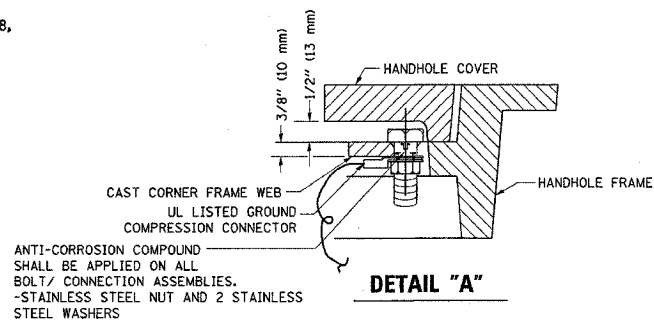
62825

**NOTES:**  
**GROUNDING SYSTEM**

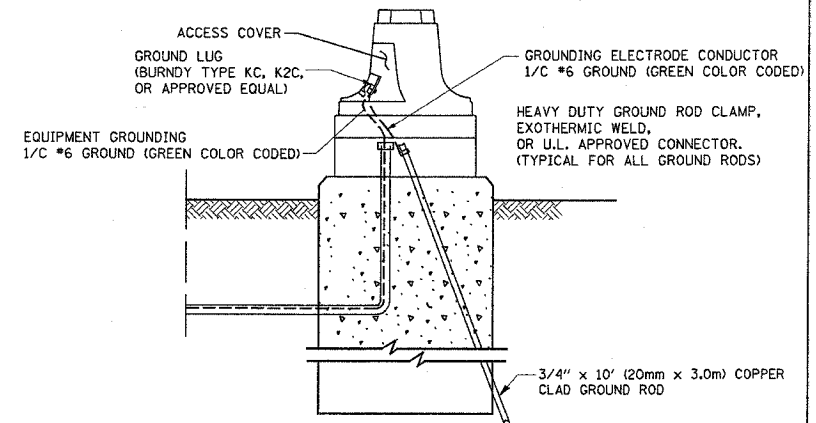
- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
- THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



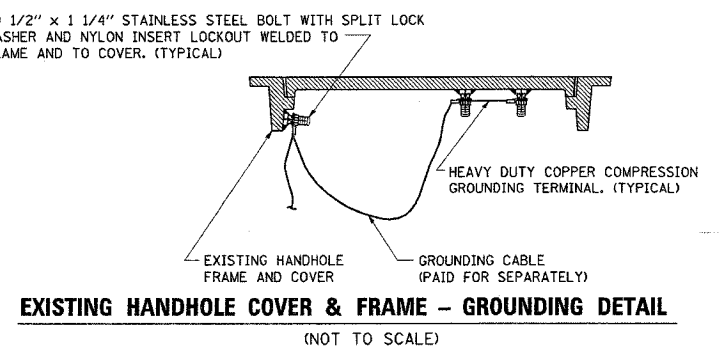
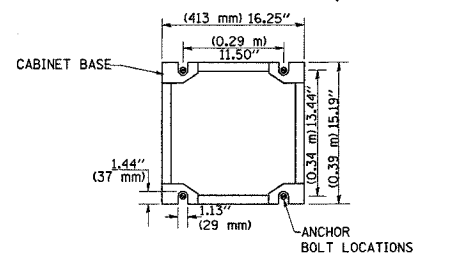
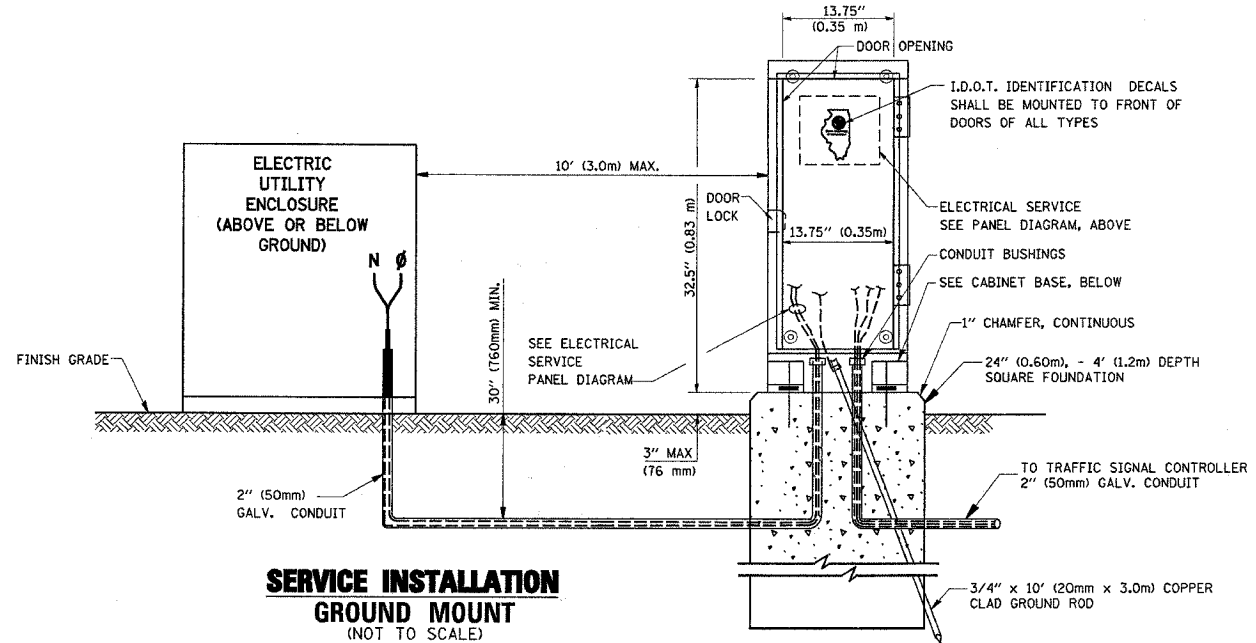
- NOTES:**
- ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
  - ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.



- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
  - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES. 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)**



REVISIONS	
NAME	DATE
CADD	5/30/00
CADD	3/15/01
BUREAU OF TRAFFIC	1/01/02

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DISTRICT 1**  
**STANDARD TRAFFIC SIGNAL**  
**DESIGN DETAILS**

SCALE: VERT. NONE  
HORIZ. 1/4" = 1'-0"

DATE 9/2/2005

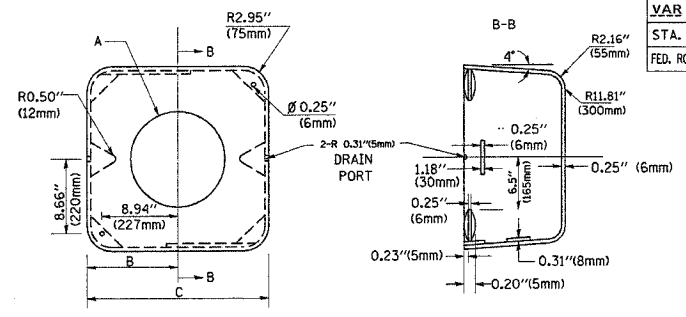
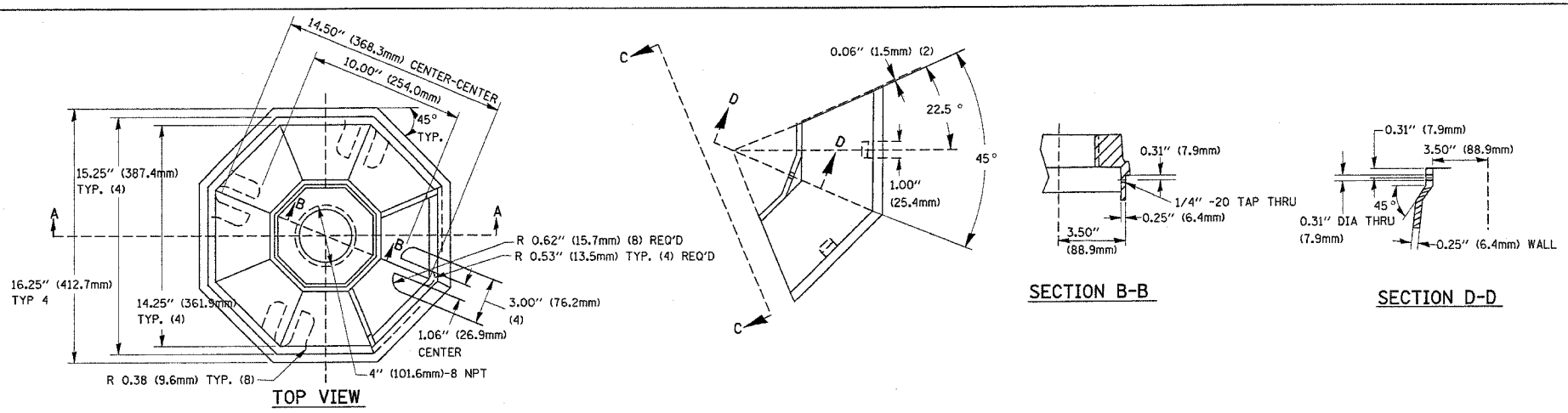
DRAWN BY: RWP  
DESIGNED BY: DAD  
CHECKED BY: DAZ  
SHEET 3 OF 4

TS05  
REVISION DATE: 01/01/02

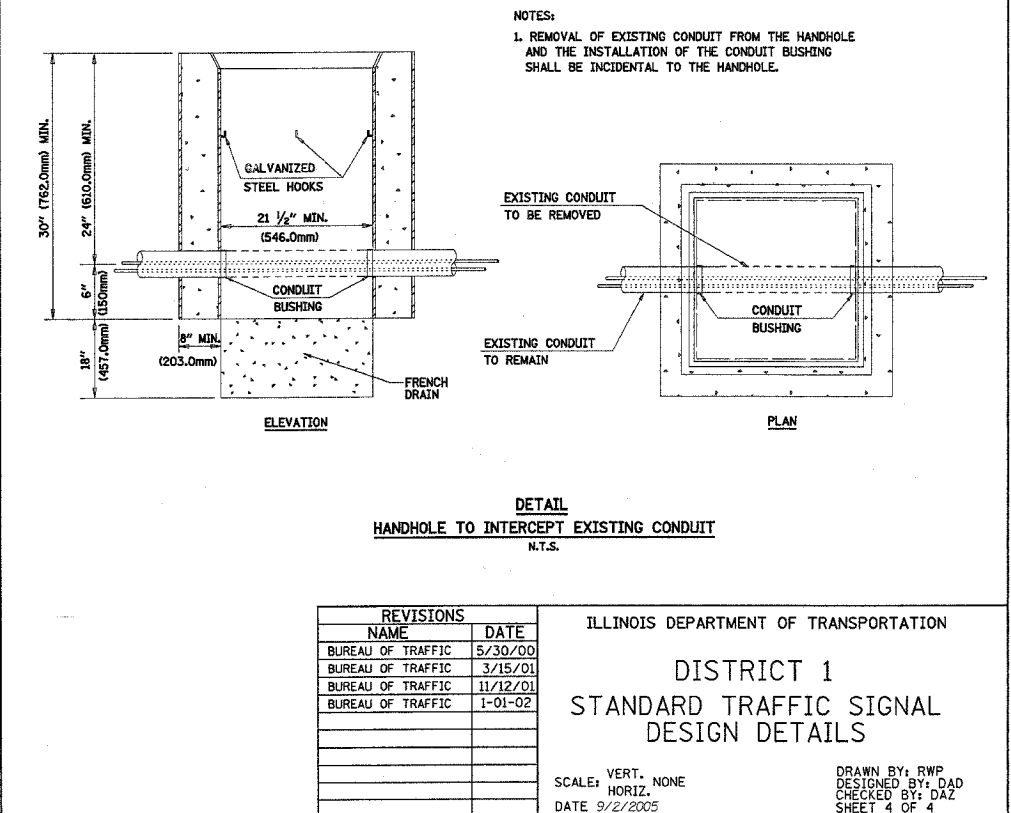
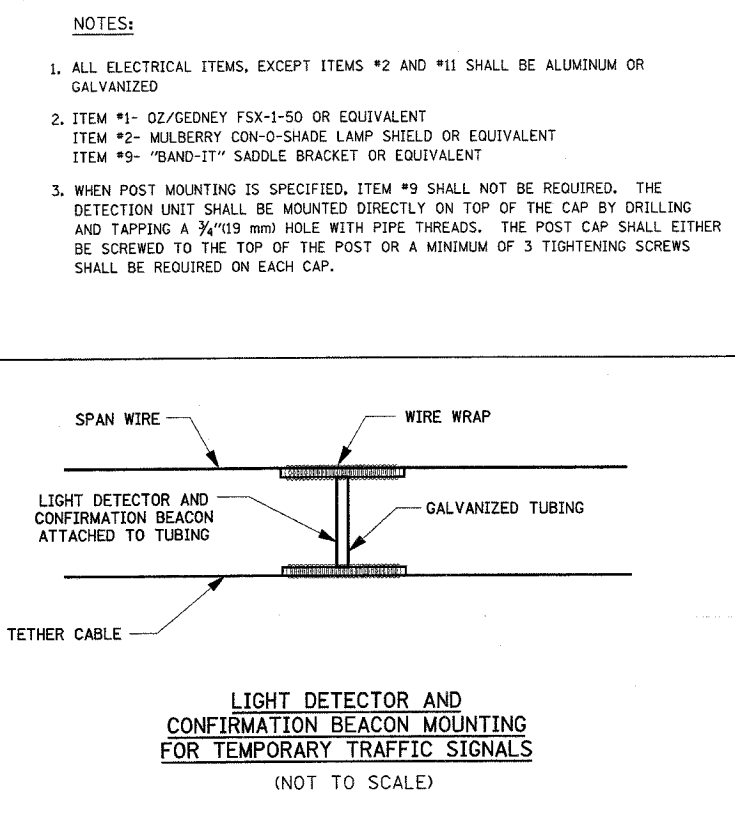
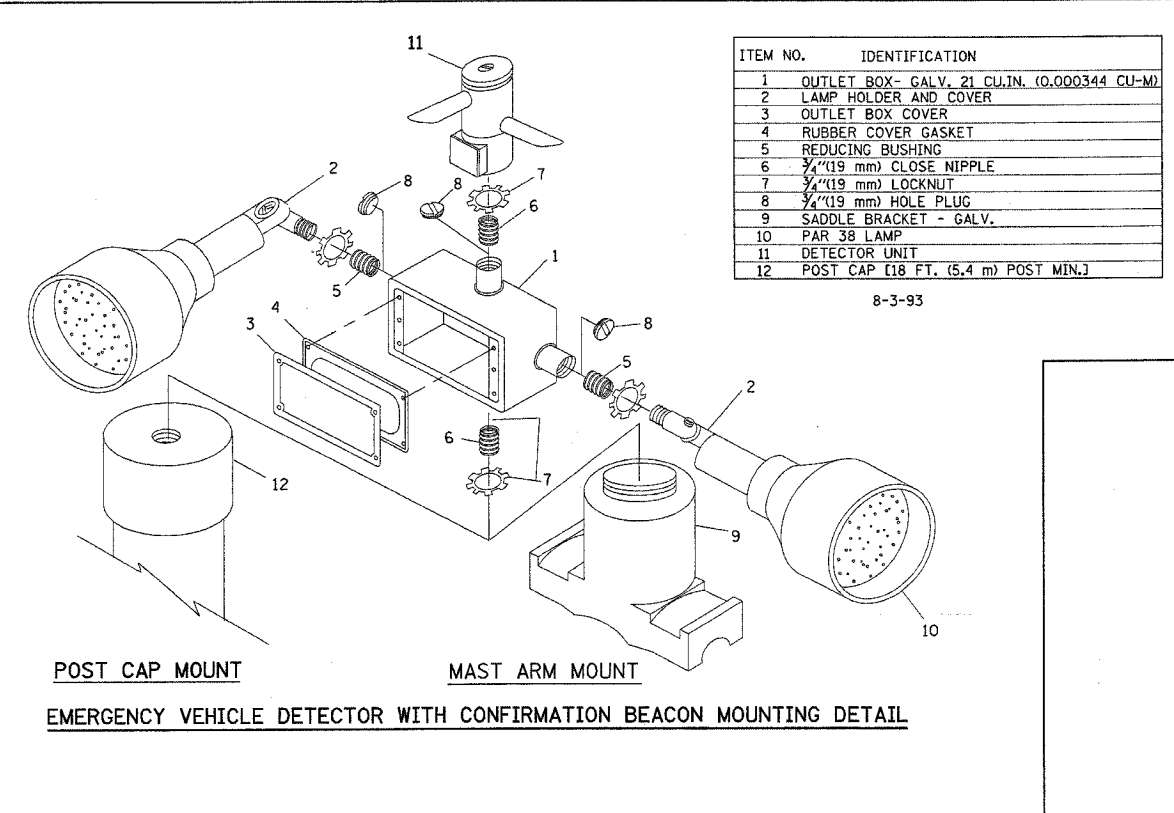
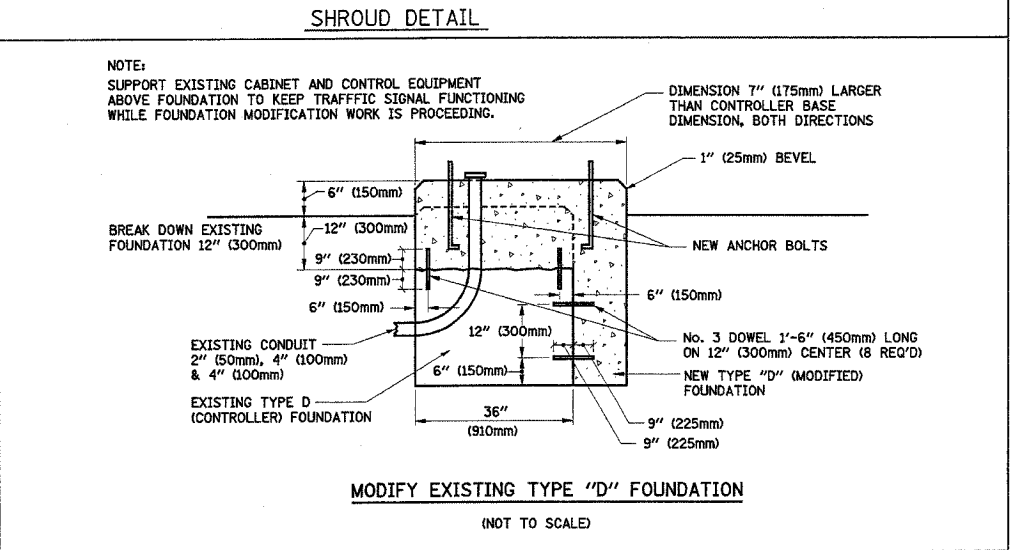
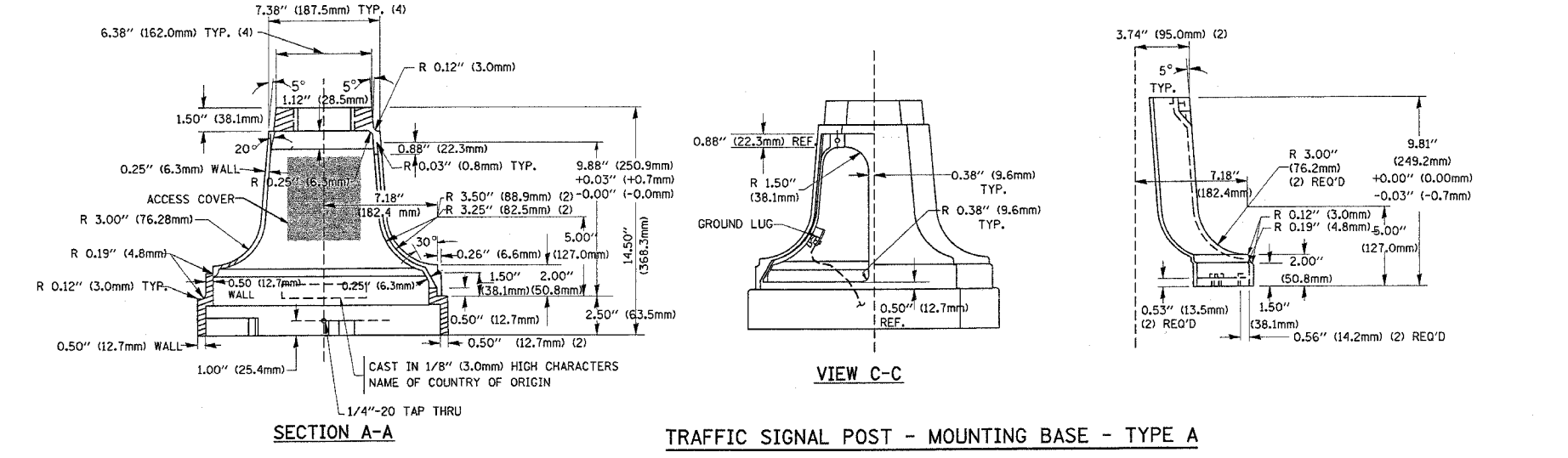
9/2/2005  
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MATERIAL:  
 - ASTM A48 CLASS 30 GREY IRON  
 - ASTM A123 HOT DIPPED GALVANIZED



TYPE	A	B	C	HEIGHT	WEIGHT
I	Ø 10.125" (257mm)	9.5" (241mm)	19" (483mm)	12" (300mm)	24kg
II	Ø 11.125" (283mm)	10.75" (273mm)	21.5" (546mm)	12" (300mm)	26kg



REVISIONS	
NAME	DATE
BUREAU OF TRAFFIC	5/30/00
BUREAU OF TRAFFIC	3/15/01
BUREAU OF TRAFFIC	11/12/01
BUREAU OF TRAFFIC	1-01-02

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DISTRICT 1  
 STANDARD TRAFFIC SIGNAL  
 DESIGN DETAILS

SCALE: VERT. NONE  
 HORIZ. NONE  
 DATE 9/2/2005

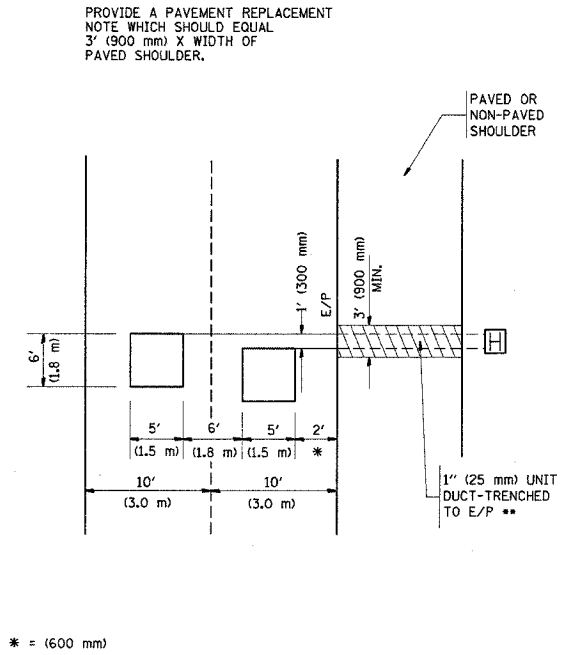
DRAWN BY: RWP  
 DESIGNED BY: DAD  
 CHECKED BY: DAZ  
 SHEET 4 OF 4



P.L. ETL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2004-083 I	COOK	40	17
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

62825

LOOPS NEXT TO SHOULDERS



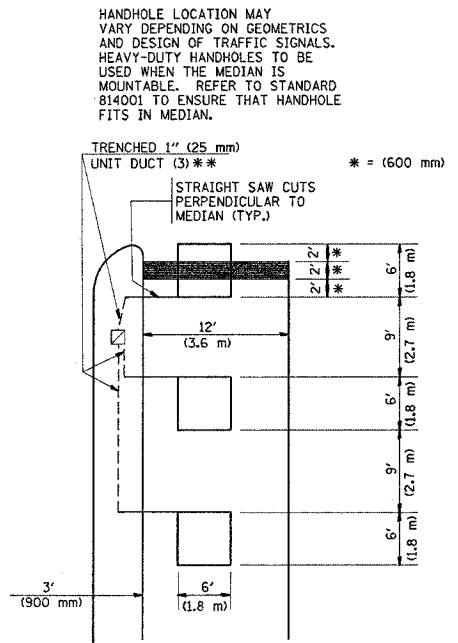
PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.

PAVED OR NON-PAVED SHOULDER

1' (300 mm) UNIT DUCT-TRENCHED TO E/P \*\*

\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS  
VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH  
(PROTECTED / PERMITTED LEFT TURN PHASING)



HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.

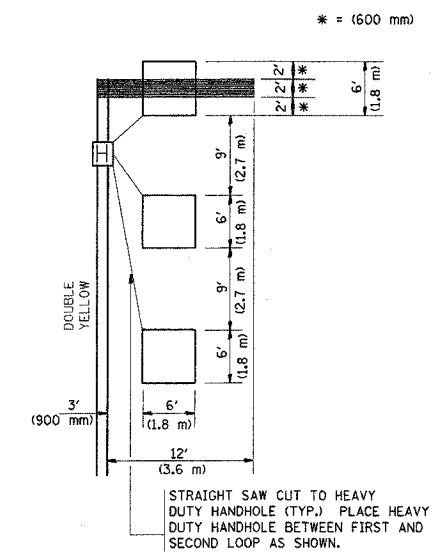
TRENCHED 1" (25 mm) UNIT DUCT (3)\*\*

STRAIGHT SAW CUTS PERPENDICULAR TO MEDIAN (TYP.)

\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

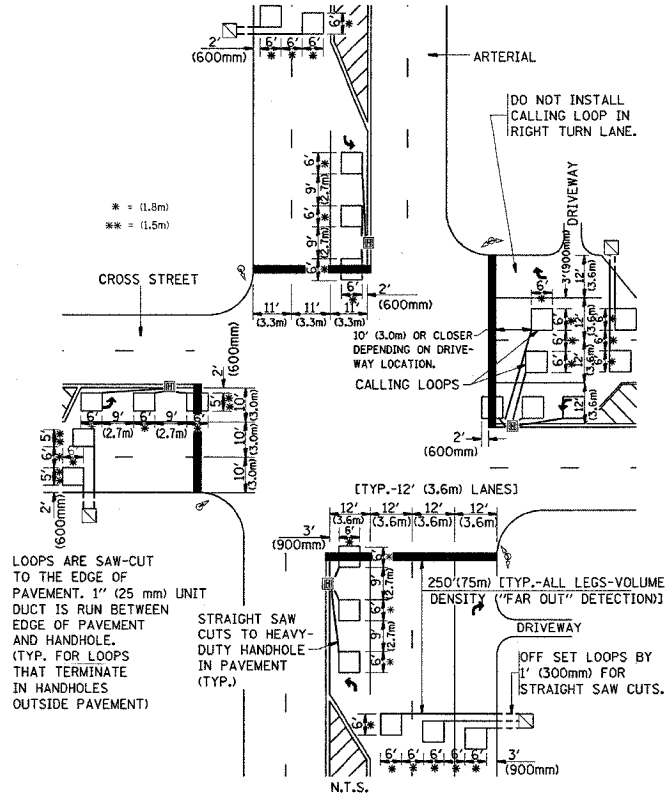
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

LEFT TURN LANES WITHOUT MEDIANS  
VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH  
(PROTECTED / PERMITTED LEFT TURN PHASING)



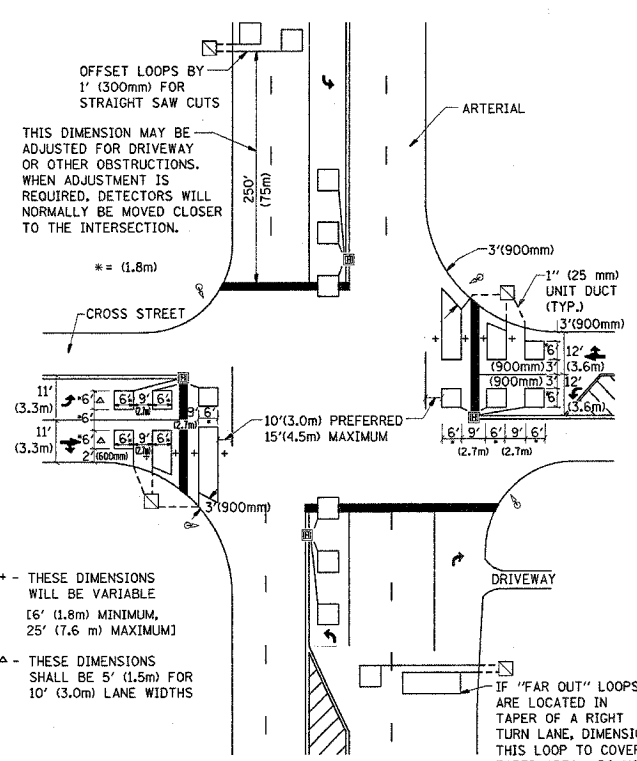
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)  
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)



DETAIL 1  
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)  
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



DETAIL 2  
N.T.S.

NOTES:

- VEHICLES LOOP DETECTORS
- \* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
  - \* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
  - \* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
  - \* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
  - \* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
  - \* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
  - \* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:  
ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

REVISIONS	
NAME	DATE

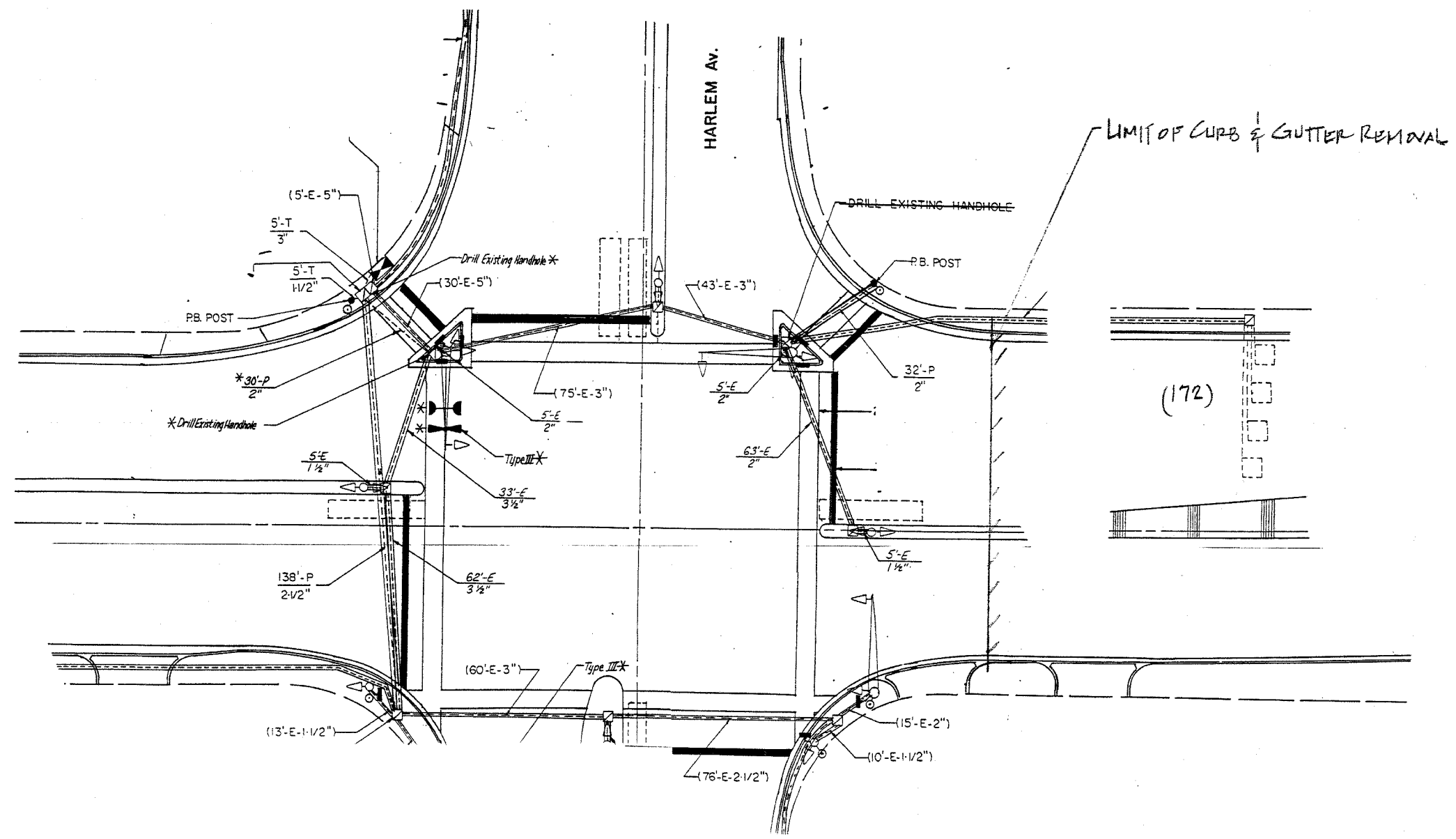
ILLINOIS DEPARTMENT OF TRANSPORTATION  
DISTRICT 1  
DETECTOR LOOP  
INSTALLATION DETAILS  
FOR ROADWAY RESURFACING

SCALE: NONE  
DATE 9/2/2005  
DRAWN BY CADDO  
DESIGNED BY  
CHECKED BY R.K.F.  
TSOT

REVISION DATE:

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2004-083 I	COOK	40	18
STA. TO STA.		FED. ROAD DIST NO 7 ILLINOIS FED AID PROJECT	

62825



**NOTE:**  
 THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

**REPLACE ALL DETECTOR LOOPS AS SHOWN**  
 (WITHIN THE RESURFACING LIMITS)

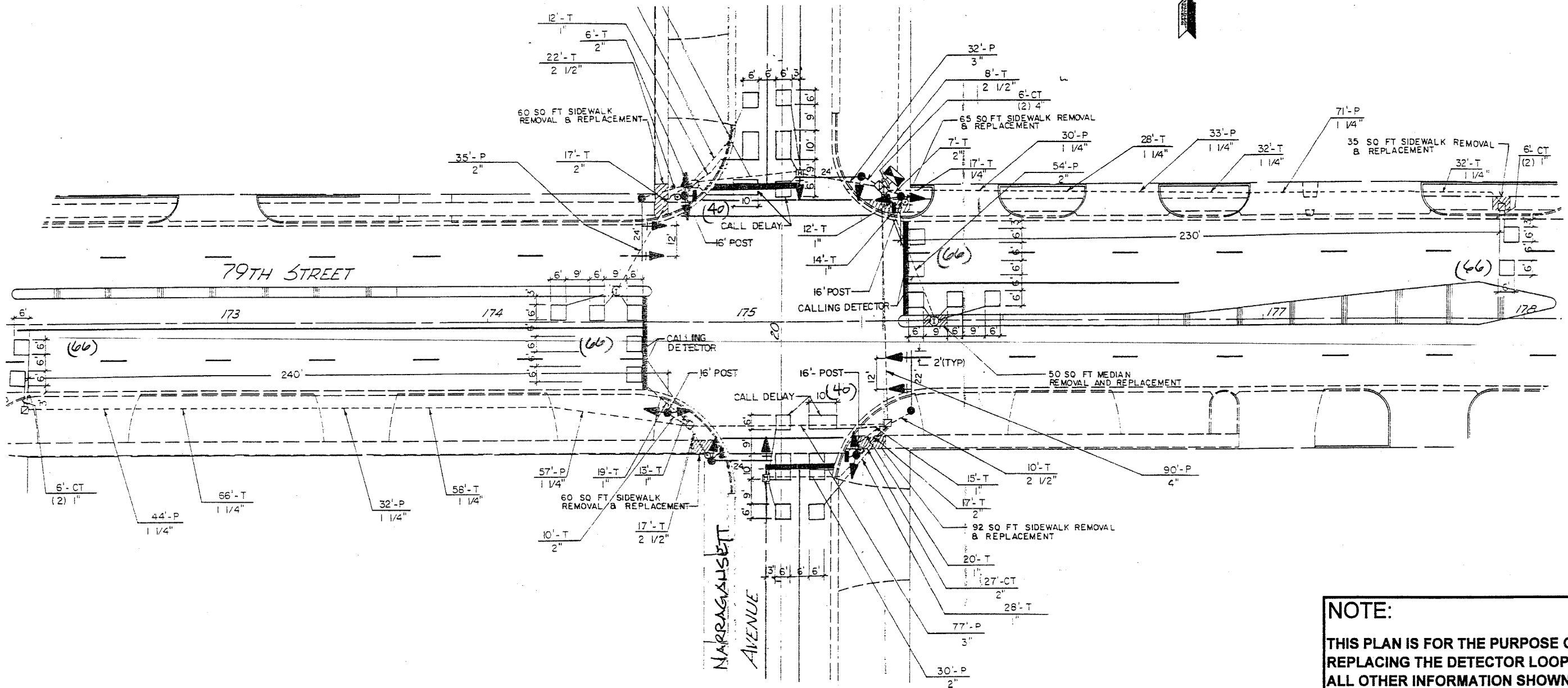
CODE NO.	QUANTITY	UNIT	ITEM
86600600	172	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
 79TH STREET @ IL43 CHARLEM AV  
 SCALE: 1" = 20'  
 DATE: AUG. 05  
 DRAWN BY: J.E.  
 DESIGNED BY: J.E.  
 CHECKED BY: J.E.

F.S. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2004-083 I	COOK	40	19
STA.		TO STA.		
FED. ROAD DIST NO. 7		ILLINOIS	FED. AID PROJECT	

62825



**NOTE:**  
 THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

**REPLACE ALL DETECTOR LOOPS AS SHOWN**  
 (WITHIN THE RESURFACING LIMITS)

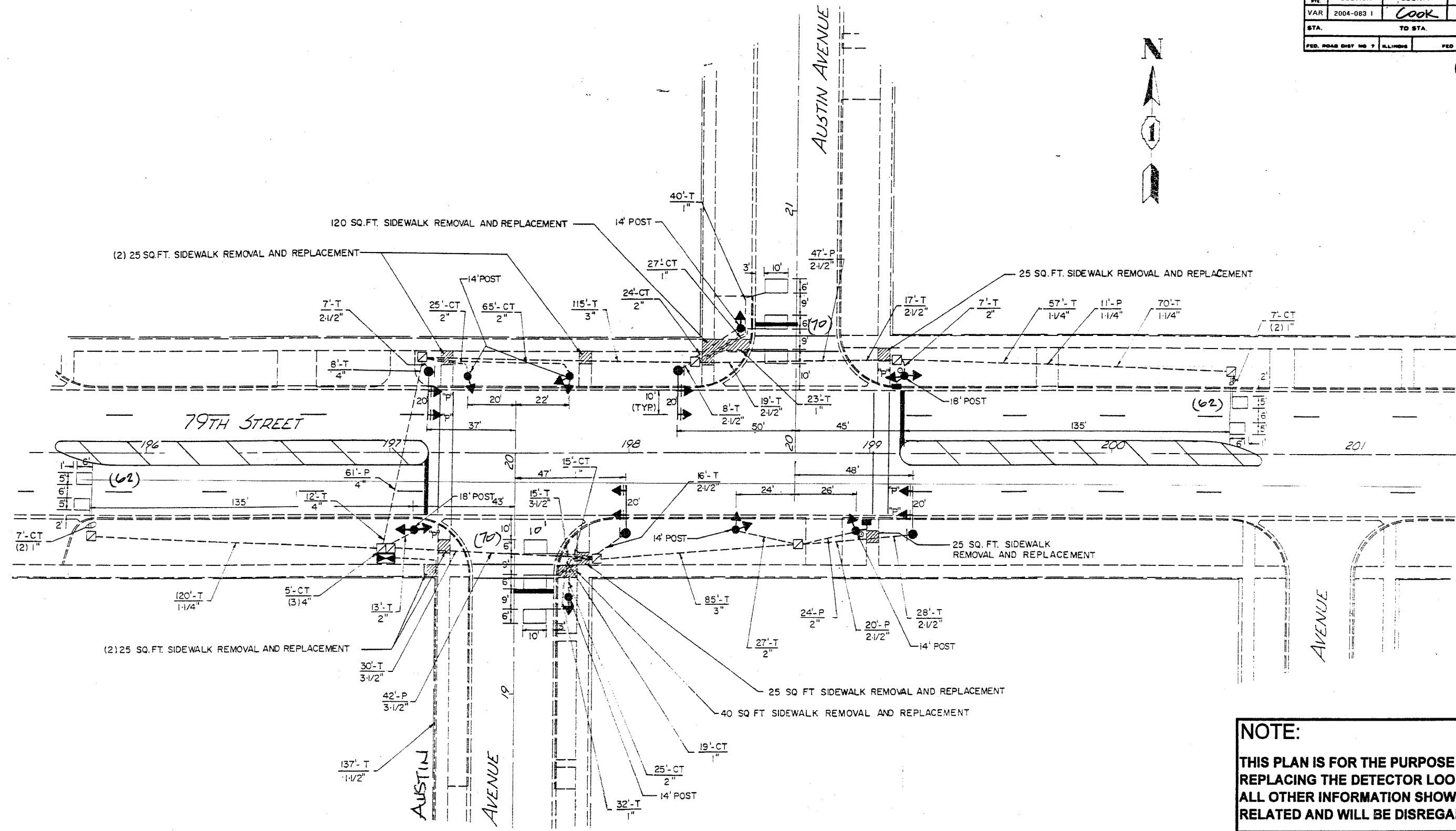
CODE NO.	QUANTITY	UNIT	ITEM
86600600	344	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
 79TH STREET @ NARRAGANSETT AV.  
 SCALE: 1" = 20'  
 DATE: AUG. 05  
 DRAWN BY: J.E.  
 DESIGNED BY: J.E.  
 CHECKED BY: J.E.

STATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
VAR	2004-083 I	COOK	40	20
STA.		TO STA.		
FED. ROAD DIST NO 7		ILLINOIS	FED AID PROJECT	

62825



**REPLACE ALL DETECTOR LOOPS AS SHOWN**

(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	264	Foot	Detector Loop Replacement

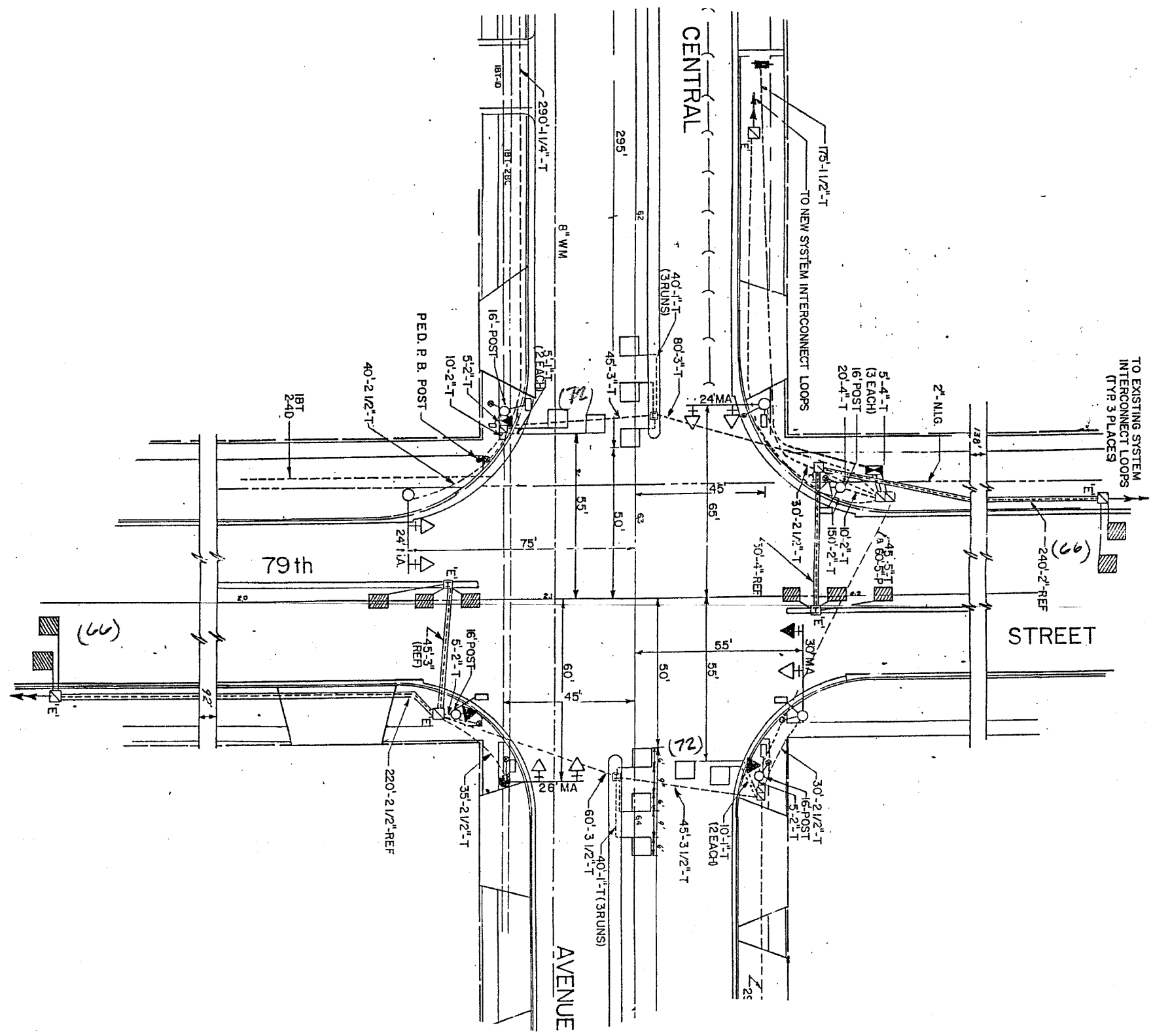
REVISIONS	
NAME	DATE

**NOTE:**  
 THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
 79TH STREET @ AUSTIN AVENUE  
 SCALE: 1" = 20'  
 DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2004-083 I	COOK	40	21
STA. TO STA.			
FED. ROAD DIST NO. 7		ILLINOIS	FED. AID PROJECT

62825



**REPLACE ALL DETECTOR LOOPS AS SHOWN**  
(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	276	Foot	Detector Loop Replacement

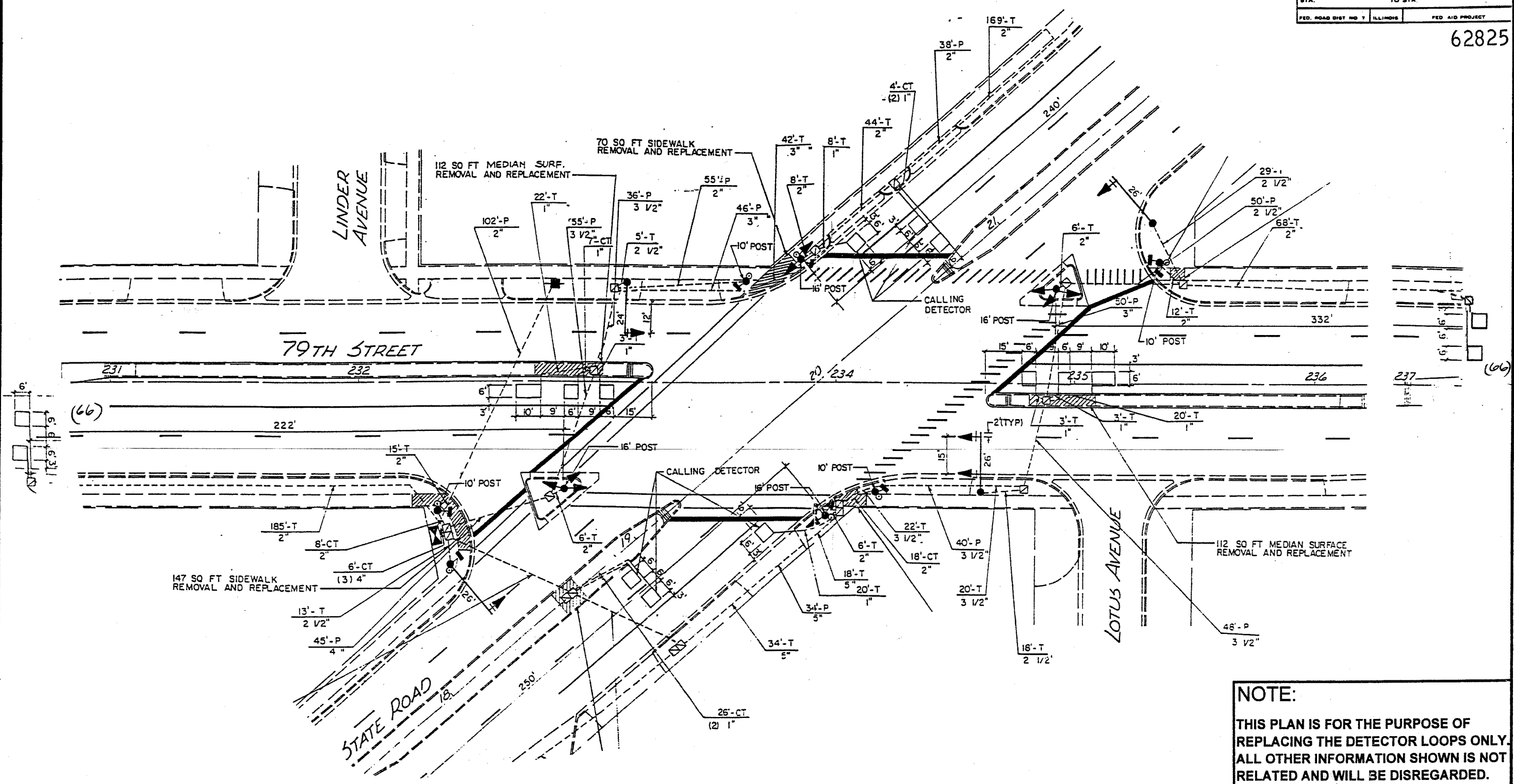
**NOTE:**  
THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
79TH STREET @ CENTRAL AVENUE  
SCALE: 1" = 20'  
DATE: AUG. 05  
DRAWN BY: H.E.  
DESIGNED BY:  
CHECKED BY: 4.E.

REVISIONS	
NAME	DATE

SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2004-083 I	Cook	40	22
STA. TO STA.		FED. ROAD DIST NO 1 ILLINOIS	
		FED AID PROJECT	

62825



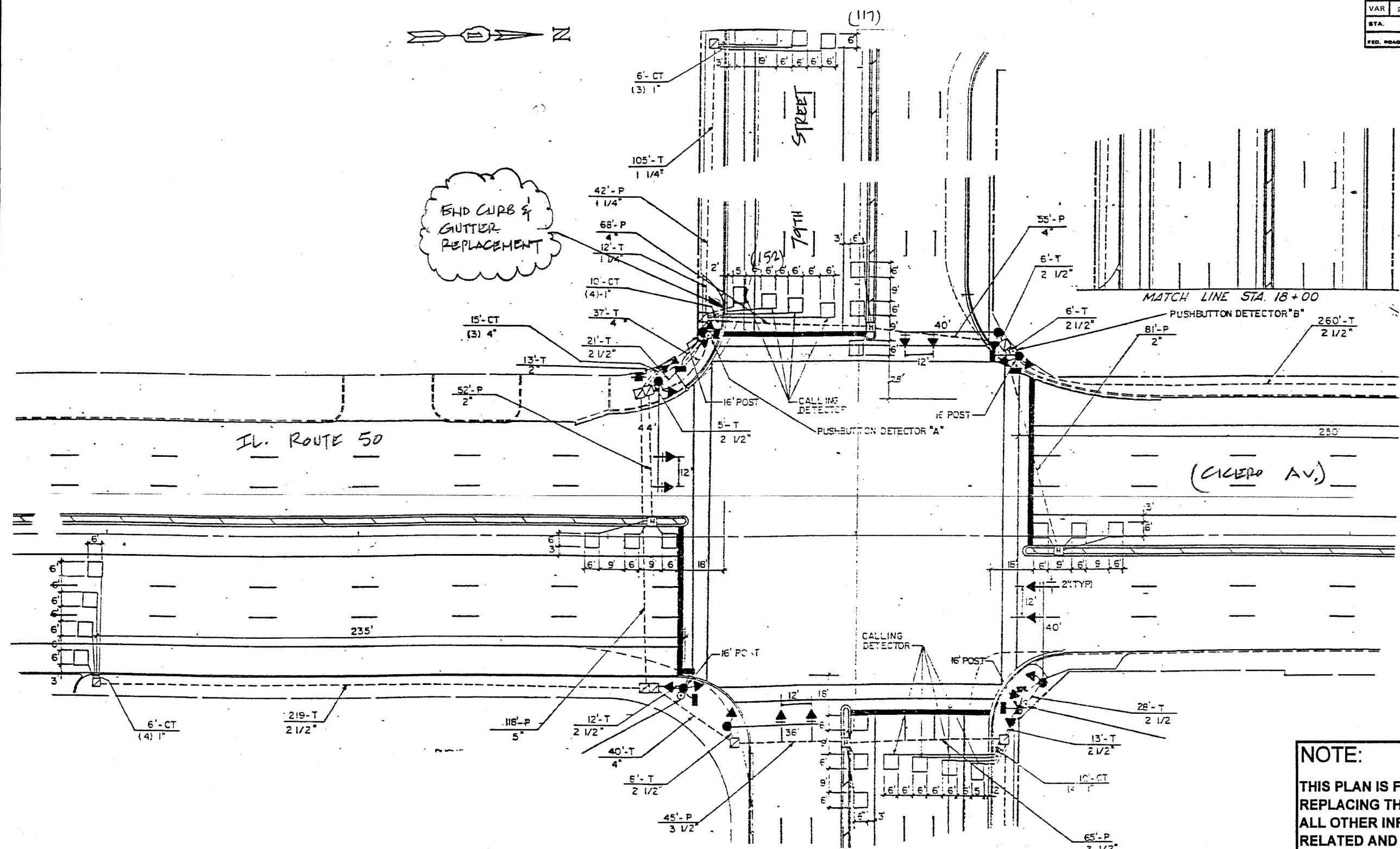
**REPLACE ALL DETECTOR LOOPS AS SHOWN**  
(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	132	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

**NOTE:**  
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
79TH STREET @ STATE ROAD  
SCALE: 1" = 20'  
DATE: AUG, 05  
DRAWN BY: J.E.  
DESIGNED BY: J.E.  
CHECKED BY: J.E.



END CURB & GUTTER REPLACEMENT

MATCH LINE STA. 18+00

**NOTE:**  
 THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

**REPLACE ALL DETECTOR LOOPS AS SHOWN**  
 (WITHIN THE RESURFACING LIMITS)

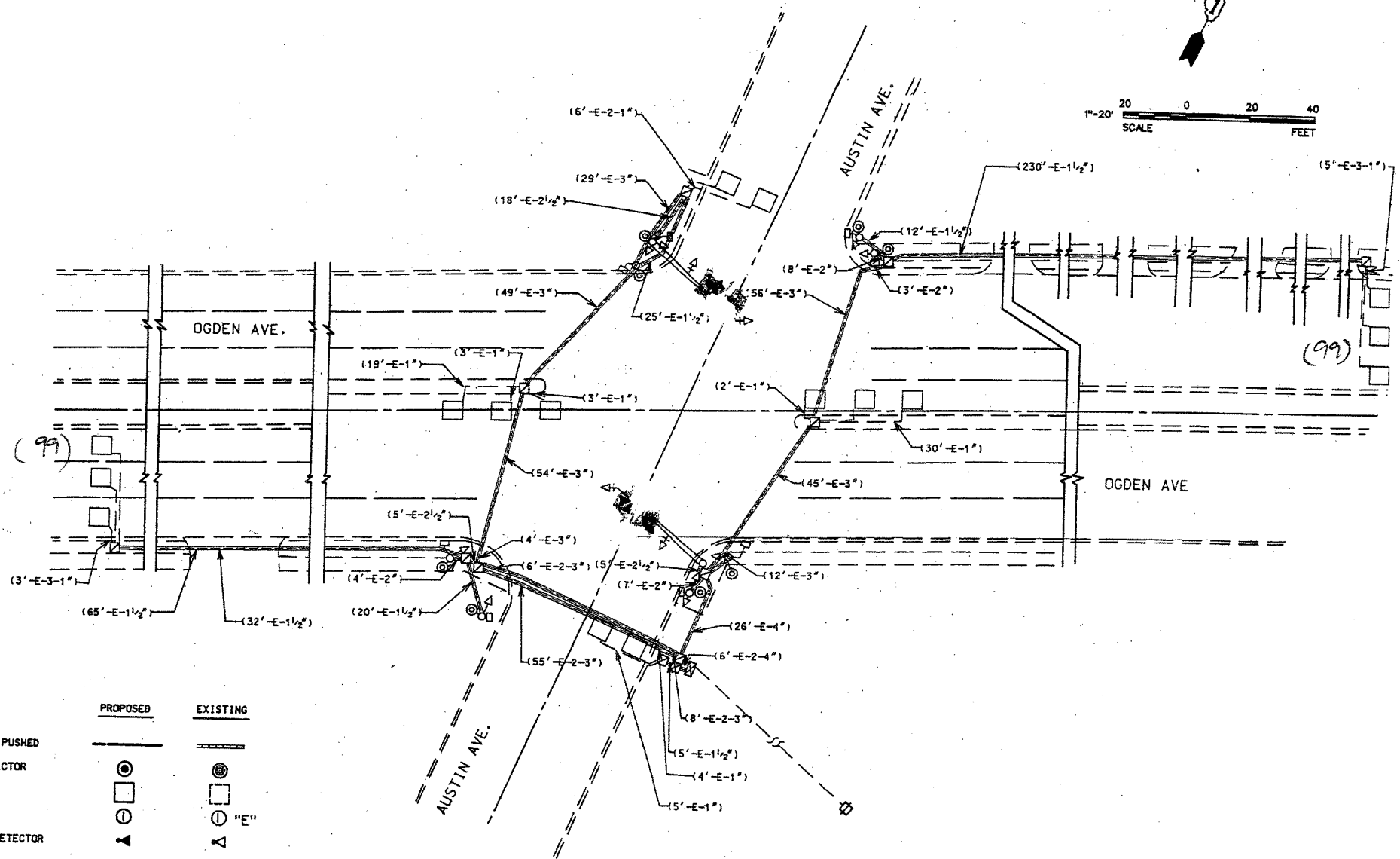
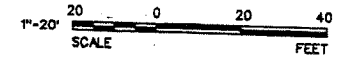
CODE NO.	QUANTITY	UNIT	ITEM
86600600	269	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
 79TH STREET @ IL. RTE. 50 (CICERO)  
 SCALE: T = 20'  
 DATE: AUG 05  
 DRAWN BY: J.E.  
 DESIGNED BY: J.E.  
 CHECKED BY: J.E.

DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2004-083 1	COOK	40	24
STA.	TO STA.			
FED. ROAD DIST NO 7	ILLINOIS	FED AID PROJECT		

62825



TRAFFIC SIGNAL LEGEND

PROPOSED		EXISTING		
CONTROLLER				G.S. CONDUIT IN TRENCH OR PUSHED
SERVICE INSTALLATION				PEDESTRIAN PUSHBUTTON DETECTOR
SIGNAL HEAD				DETECTOR LOOP
SIGNAL HEAD WITH BACKPLATE				CAST IRON JUNCTION BOX
SIGNAL HEAD, PEDESTRIAN				EMERGENCY VEHICLE SYSTEM DETECTOR
SIGNAL POST				CONFIRMATION BEACON
MAST ARM ASSEMBLY AND POLE, STEEL				SIGNAL HEAD OPTICALLY PROGRAMMED
MAST ARM ASSEMBLY AND POLE, ALUMINUM				CONDUIT SPLICE
COMMON TRENCH	CT			WOOD POLE
UNIT DUCT	UD			RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II
HANDHOLE				VEHICLE DETECTOR, NON-COMPENSATED MAGNETIC TYPE
HEAVY DUTY HANDHOLE				RAILROAD CONTROL CABINET
DOUBLE HANDHOLE				

REPLACE ALL DETECTOR LOOPS AS SHOWN

(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	198	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

**NOTE:**  
THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DETECTOR LOOP REPLACEMENT

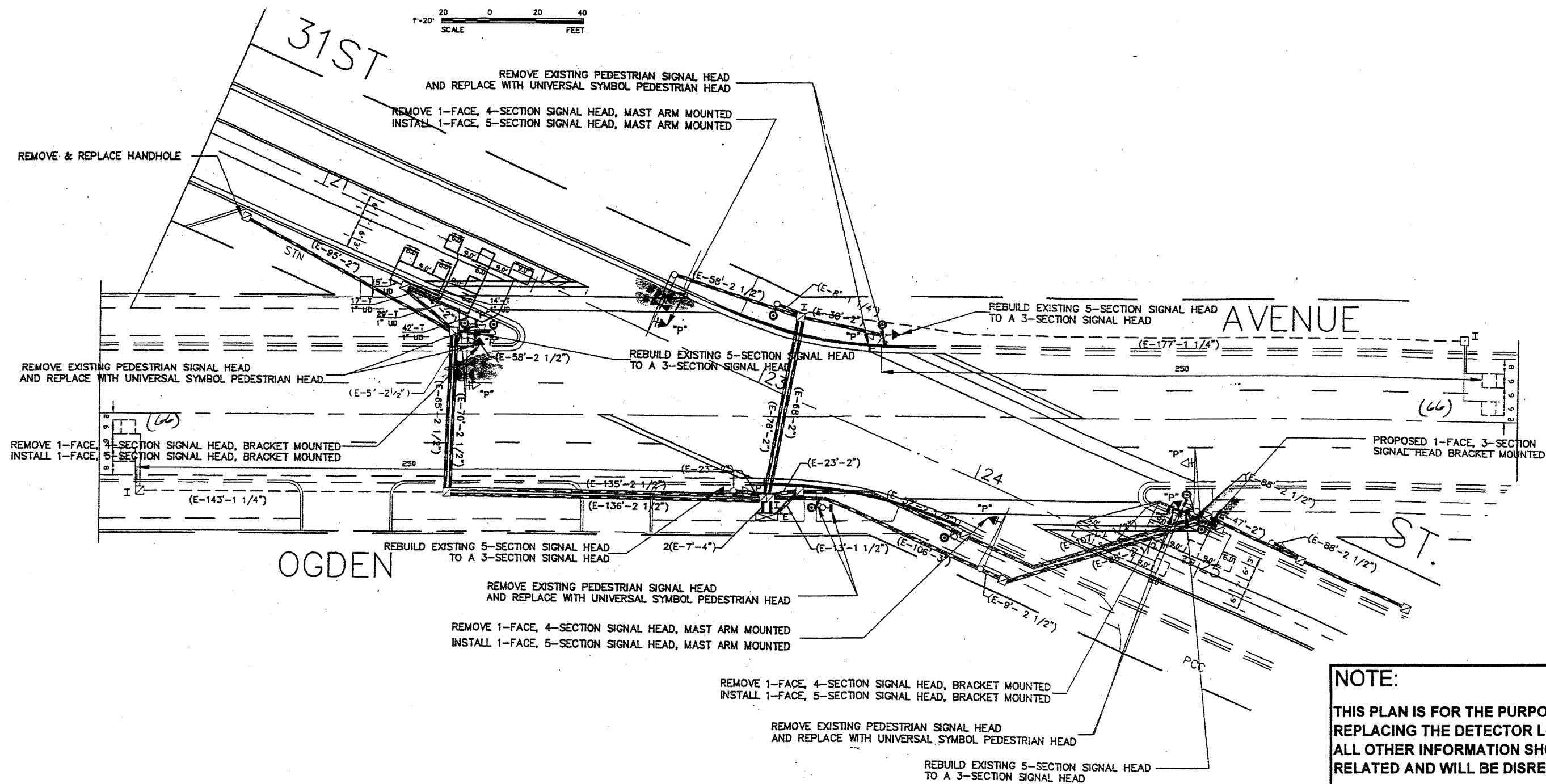
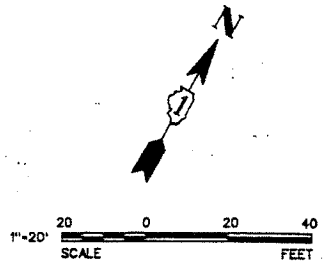
U.S. 34 (OGDEN AV.) @ AUSTIN AVENUE

SCALE: 1" = 20'  
DATE: AUG. 05  
DRAWN BY: J.E.  
DESIGNED BY: J.E.  
CHECKED BY: J.E.



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2004-083 I	COOK	40	25
STA. TO STA.		FED. ROAD DIST NO 7 ILLINOIS	
		FED AID PROJECT	

62825



**NOTE:**  
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**REPLACE ALL DETECTOR LOOPS AS SHOWN**  
(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	132	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**

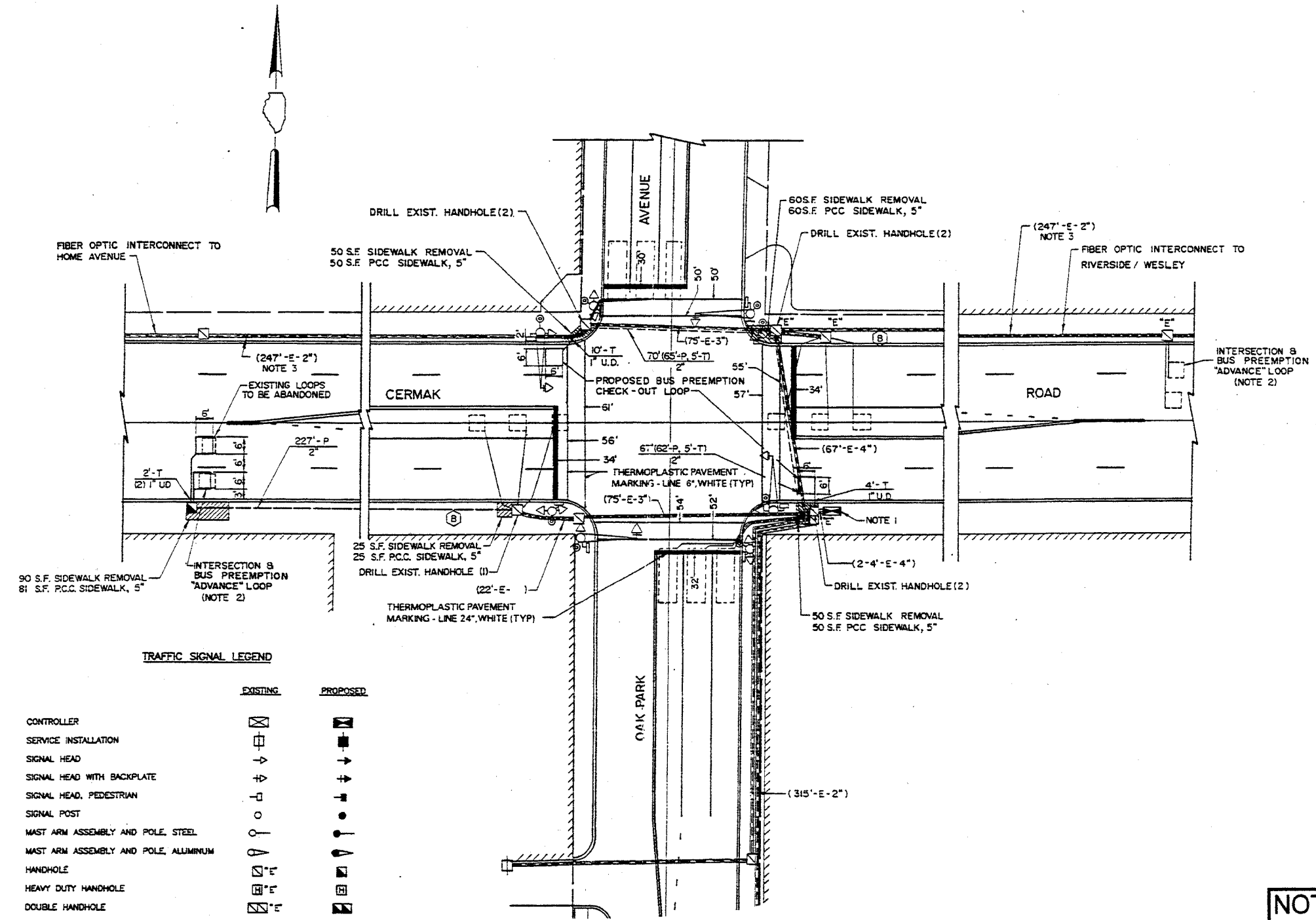
OGDEN AVE. @ 31ST STREET

SCALE: 1" = 20'  
DATE: AUG, 05

DRAWN BY: J.E.  
DESIGNED BY:  
CHECKED BY: J.E.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2004-083 I	COOK	40	26
STA. TO STA.		FED. ROAD DIST. NO. 7 ILLINOIS	
		FED. AID PROJECT	

62825



**TRAFFIC SIGNAL LEGEND**

	EXISTING	PROPOSED
CONTROLLER	[Symbol]	[Symbol]
SERVICE INSTALLATION	[Symbol]	[Symbol]
SIGNAL HEAD	[Symbol]	[Symbol]
SIGNAL HEAD WITH BACKPLATE	[Symbol]	[Symbol]
SIGNAL HEAD, PEDESTRIAN	[Symbol]	[Symbol]
SIGNAL POST	[Symbol]	[Symbol]
MAST ARM ASSEMBLY AND POLE, STEEL	[Symbol]	[Symbol]
MAST ARM ASSEMBLY AND POLE, ALUMINUM	[Symbol]	[Symbol]
HANDHOLE	[Symbol]	[Symbol]
HEAVY DUTY HANDHOLE	[Symbol]	[Symbol]
DOUBLE HANDHOLE	[Symbol]	[Symbol]
G.S. CONDUIT IN TRENCH OF PUSHED	[Symbol]	[Symbol]
EMERGENCY VEHICLE SYSTEM DETECTOR	[Symbol]	[Symbol]
CONFIRMATION BEACON	[Symbol]	[Symbol]
COMMON TRENCH	[Symbol]	[Symbol]
UNIT DUCT	[Symbol]	[Symbol]
PEDESTRIAN PUSHBUTTON DETECTOR	[Symbol]	[Symbol]
DETECTOR LOOP	[Symbol]	[Symbol]
BUS STOP	[Symbol]	[Symbol]

**FOR INFORMATION ONLY**

**NOTE:**  
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**REPLACE ALL DETECTOR LOOPS AS SHOWN**  
(WITHIN THE RESURFACING LIMITS)

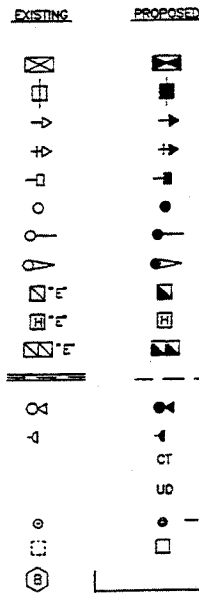
CODE NO.	QUANTITY	UNIT	ITEM
86600600		Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
CERMAK ROAD @ OAK PARK AV.  
SCALE: 1" = 20'  
DATE: AUG 05  
DRAWN BY: J.E.  
DESIGNED BY: J.E.  
CHECKED BY: J.E.

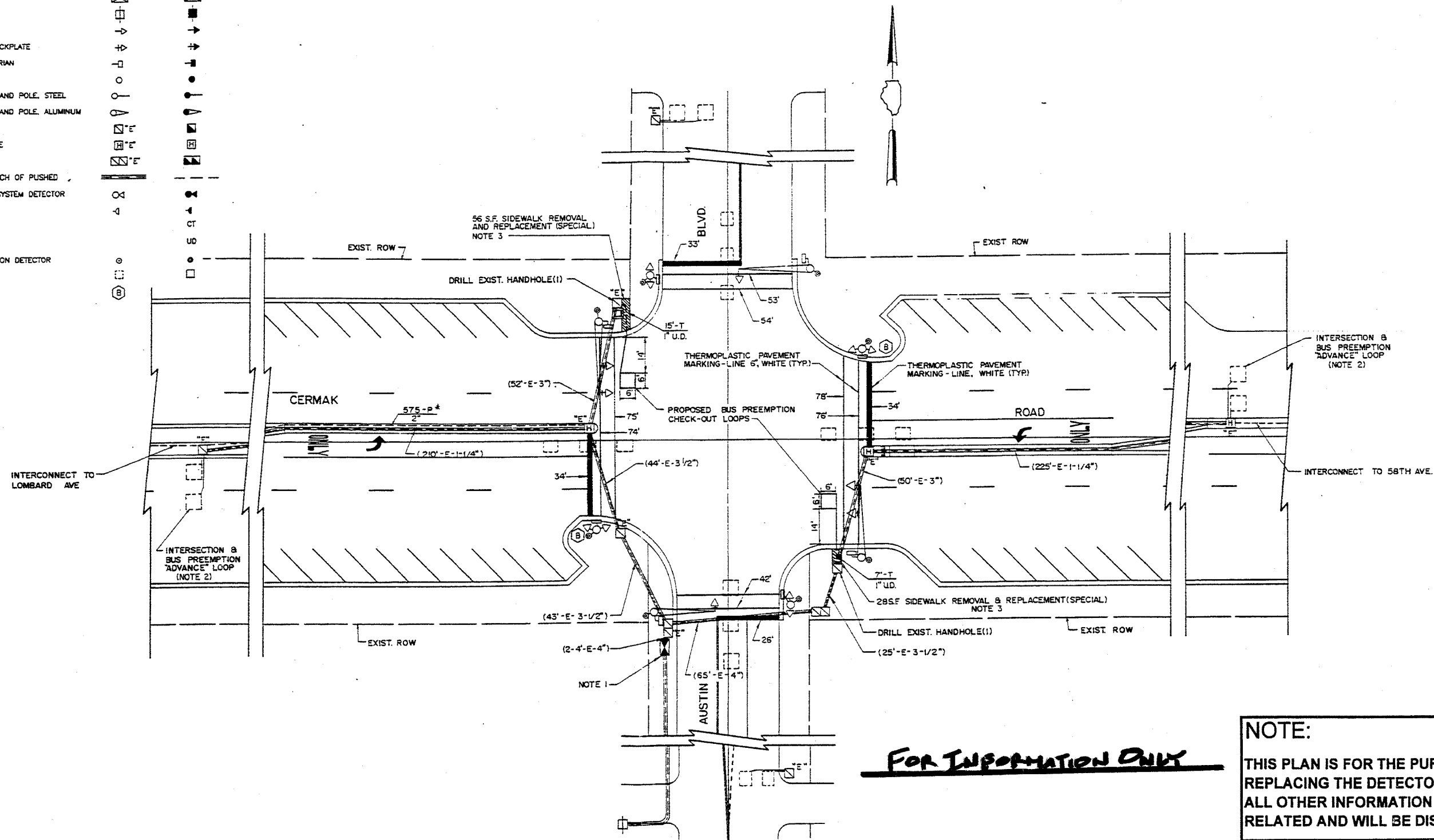
TRAFFIC SIGNAL LEGEND

- CONTROLLER
- SERVICE INSTALLATION
- SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- SIGNAL HEAD, PEDESTRIAN
- SIGNAL POST
- MAST ARM ASSEMBLY AND POLE, STEEL
- MAST ARM ASSEMBLY AND POLE, ALUMINUM
- HANDHOLE
- HEAVY DUTY HANDHOLE
- DOUBLE HANDHOLE
- G.S. CONDUIT IN TRENCH OF PUSHED
- EMERGENCY VEHICLE SYSTEM DETECTOR
- CONFIRMATION BEACON
- COMMON TRENCH
- UNIT DUCT
- PEDESTRIAN PUSHBUTTON DETECTOR
- DETECTOR LOOP
- BUS STOP



F & S	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2004-083 I	COOK	40	27
STA.		TO STA.		
FED. ROAD DIST NO 7		ILLINOIS		FED AID PROJECT

62825



**FOR INFORMATION ONLY**

**NOTE:**  
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**REPLACE ALL DETECTOR LOOPS AS SHOWN**  
(WITHIN THE RESURFACING LIMITS)

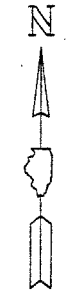
CODE NO.	QUANTITY	UNIT	ITEM
86600600		Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

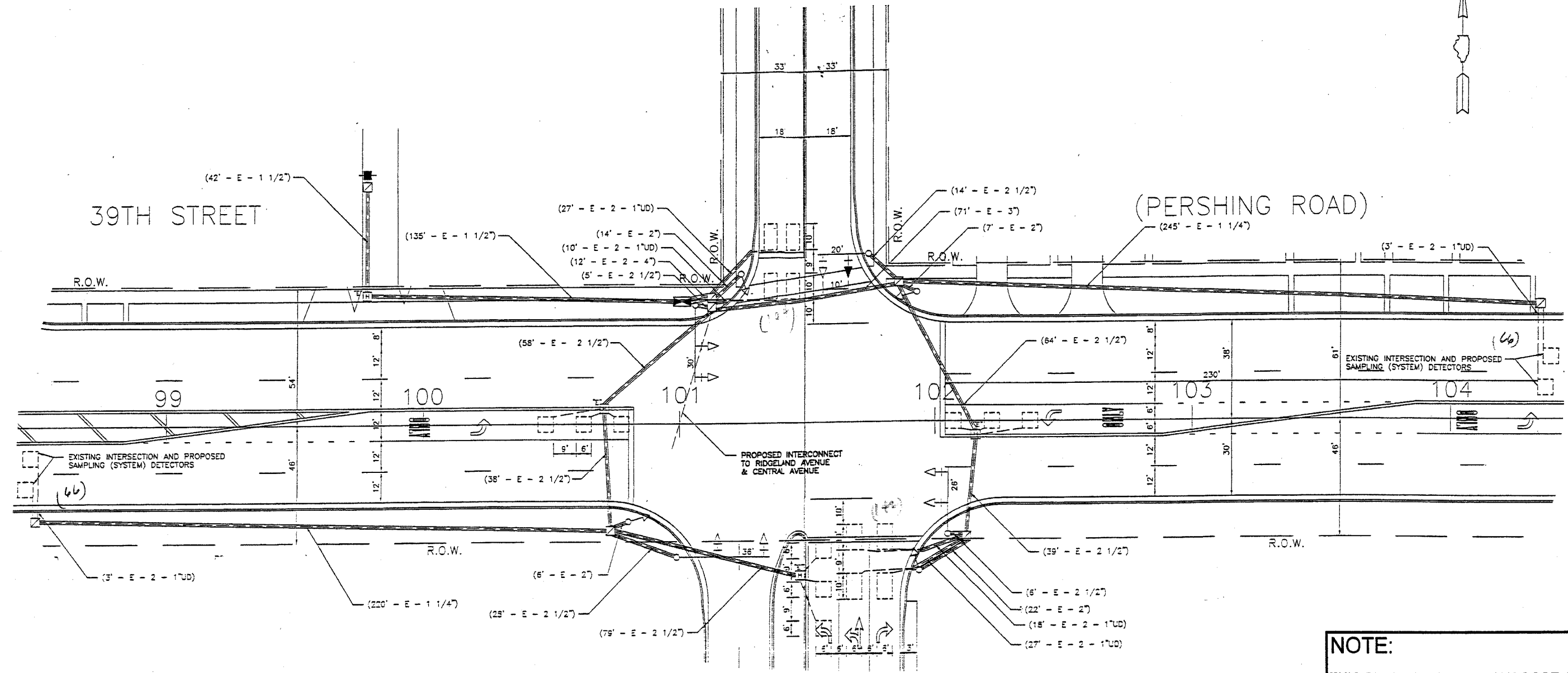
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
CERMAK ROAD @ AUSTIN BLVD.  
SCALE: 1" = 20'  
DATE: AUG. 05  
DRAWN BY: J.E.  
DESIGNED BY: J.E.  
CHECKED BY: J.E.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2004-063 1	COOK	40	28
STA. TO STA.		FED. ROAD DIST NO 7 ILLINOIS FED AID PROJECT	

62825



AUSTIN BOULEVARD



**NOTE:**  
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**REPLACE ALL DETECTOR LOOPS AS SHOWN**  
 (WITHIN THE RESURFACING LIMITS)

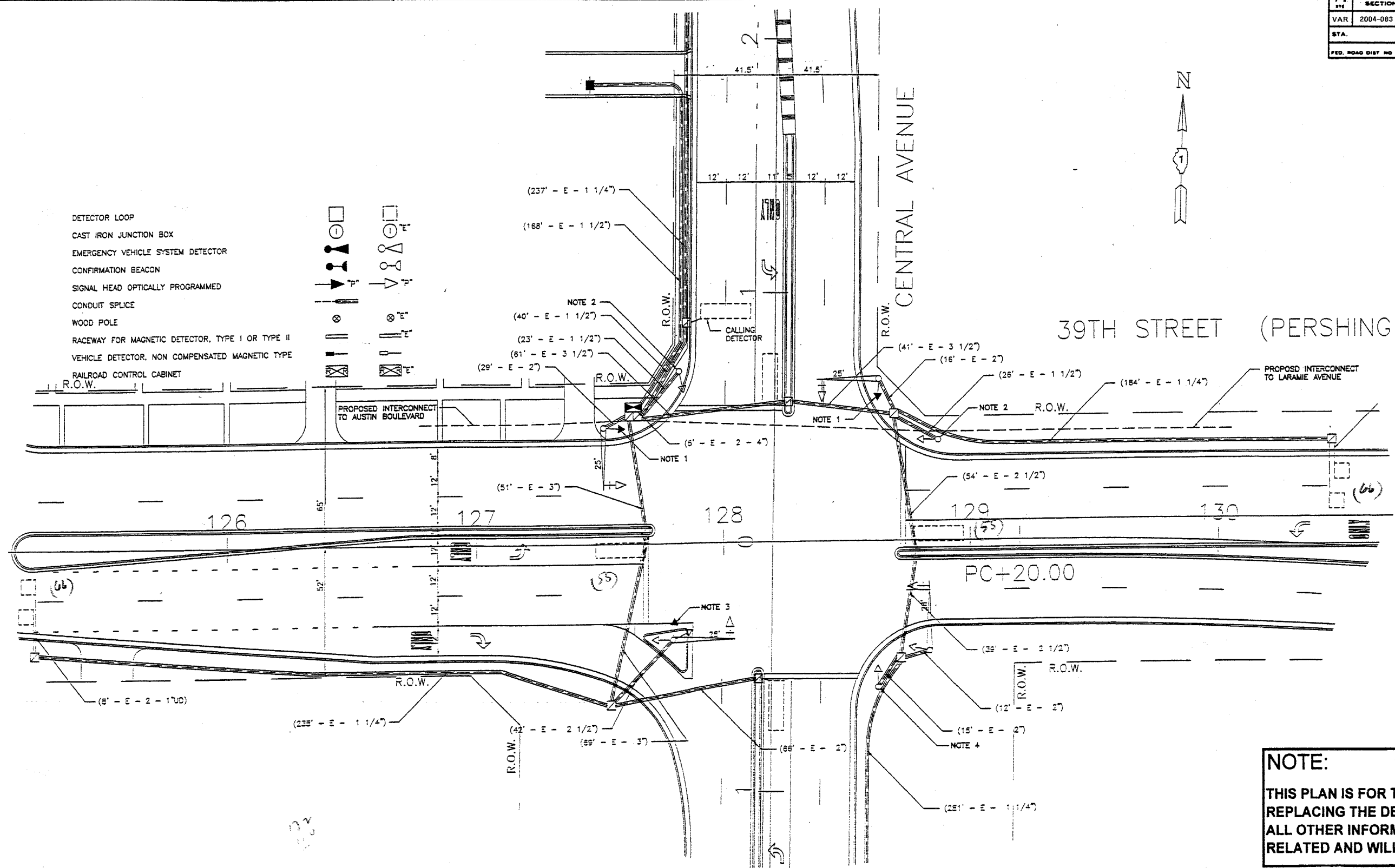
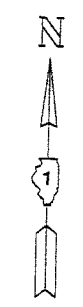
CODE NO.	QUANTITY	UNIT	ITEM
86600600	373	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

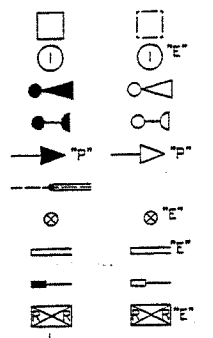
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
 39TH STREET @ AUSTIN BLVD.  
 SCALE: 1" = 20'  
 DATE: AUG 05  
 DRAWN BY: J.E.  
 DESIGNED BY:  
 CHECKED BY: J.E.

F & S	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2004-083 I	COOK	40	29
STA.		TO STA.		
FED. ROAD DIST NO 7		ILLINOIS		FED AID PROJECT

62825



- DETECTOR LOOP
- CAST IRON JUNCTION BOX
- EMERGENCY VEHICLE SYSTEM DETECTOR
- CONFIRMATION BEACON
- SIGNAL HEAD OPTICALLY PROGRAMMED
- CONDUIT SPLICE
- WOOD POLE
- RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II
- VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE
- RAILROAD CONTROL CABINET



**REPLACE ALL DETECTOR LOOPS AS SHOWN**  
(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	242	Foot	Detector Loop Replacement

**NOTE:**  
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
39TH STREET @ CENTRAL AVENUE

SCALE: 1" = 20'  
DATE: AUG. 05

DRAWN BY: J.E.  
DESIGNED BY:  
CHECKED BY: J.E.

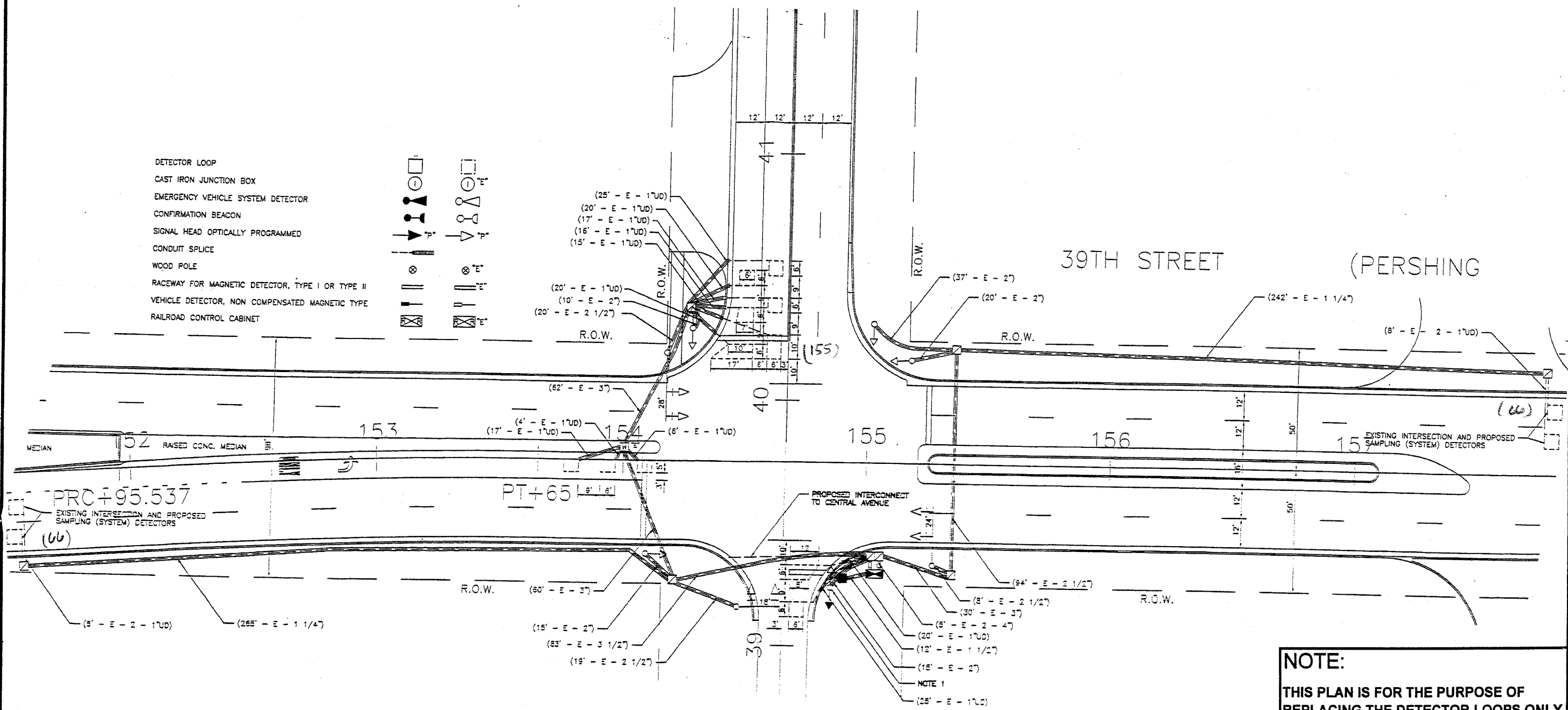
REVISIONS	
NAME	DATE

F.A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2004-083 I	COOK	40	30
STA.	TO STA.			
FED. ROAD DIST NO 7	ILLINOIS	FED AID PROJECT		

62825

LARAMIE AVENUE

39TH STREET (PERSHING)



**NOTE:**  
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**REPLACE ALL DETECTOR LOOPS AS SHOWN**

(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	283	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

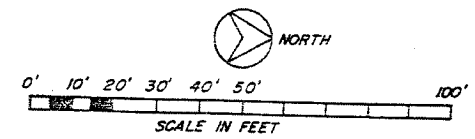
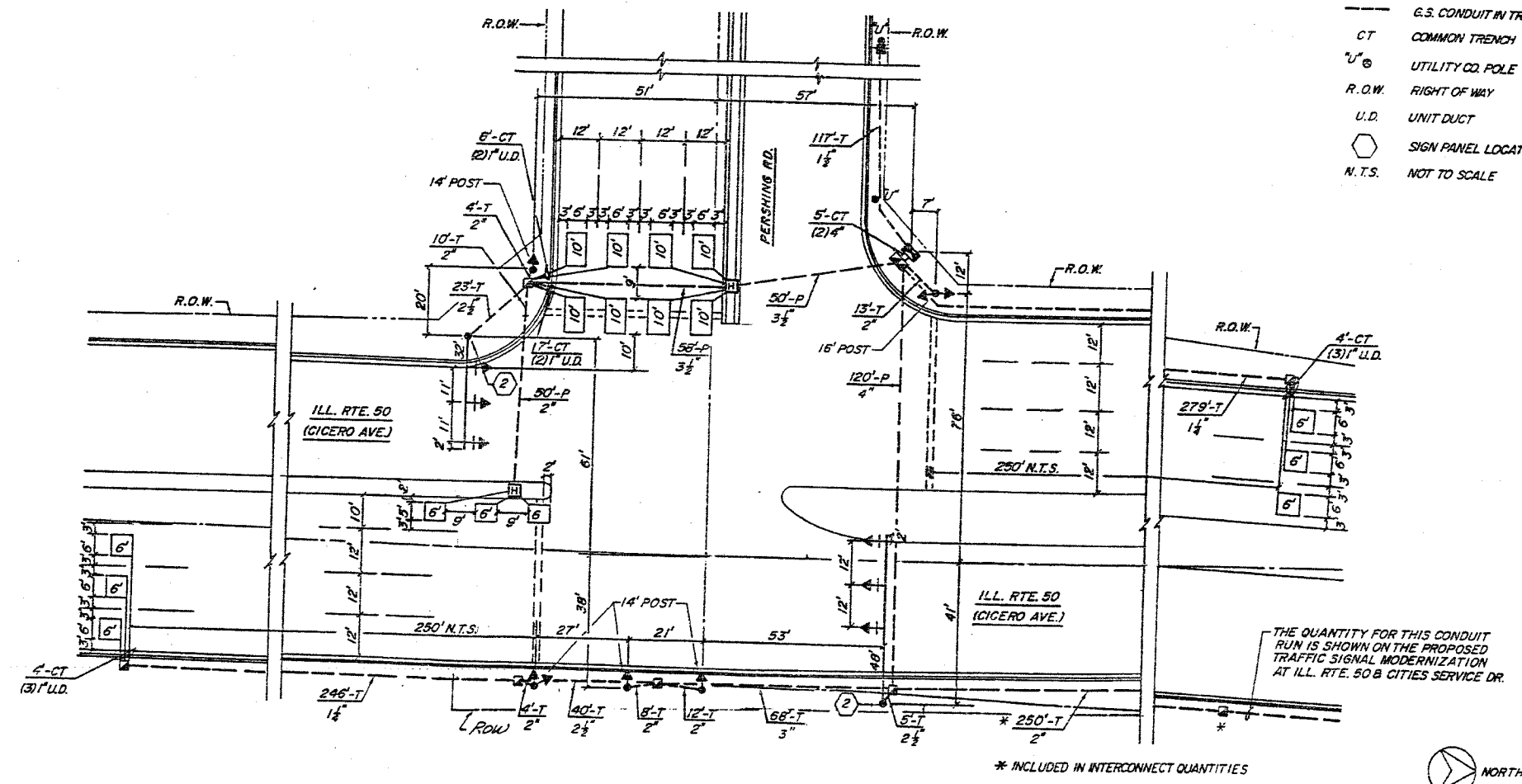
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
 39TH STREET @ LARAMIE AVENUE  
 SCALE: 1" = 20'  
 DATE: AUG. 05  
 DRAWN BY: J.E.  
 DESIGNED BY:  
 CHECKED BY: J.E.

P.A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2004-083 I	COOK	40	31
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

62825

**TRAFFIC SIGNAL LEGEND**

- SERVICE INSTALLATION
- ⊠ CONTROLLER
- ⊠ DOUBLE HANDHOLE
- ⊠ HANDHOLE
- ⊠ HEAVY-DUTY HANDHOLE
- SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- ⊙ MAST ARM ASSEMBLY AND POLE, STEEL
- SIGNAL POST
- DETECTOR LOOP
- E.S. CONDUIT IN TRENCH OR PUSHED
- CT COMMON TRENCH
- U UTILITY CO. POLE
- R.O.W. RIGHT OF WAY
- U.D. UNIT DUCT
- ⬡ SIGN PANEL LOCATION
- N.T.S. NOT TO SCALE



**NOTE:**  
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**REPLACE ALL DETECTOR LOOPS AS SHOWN**  
 (WITHIN THE RESURFACING LIMITS)

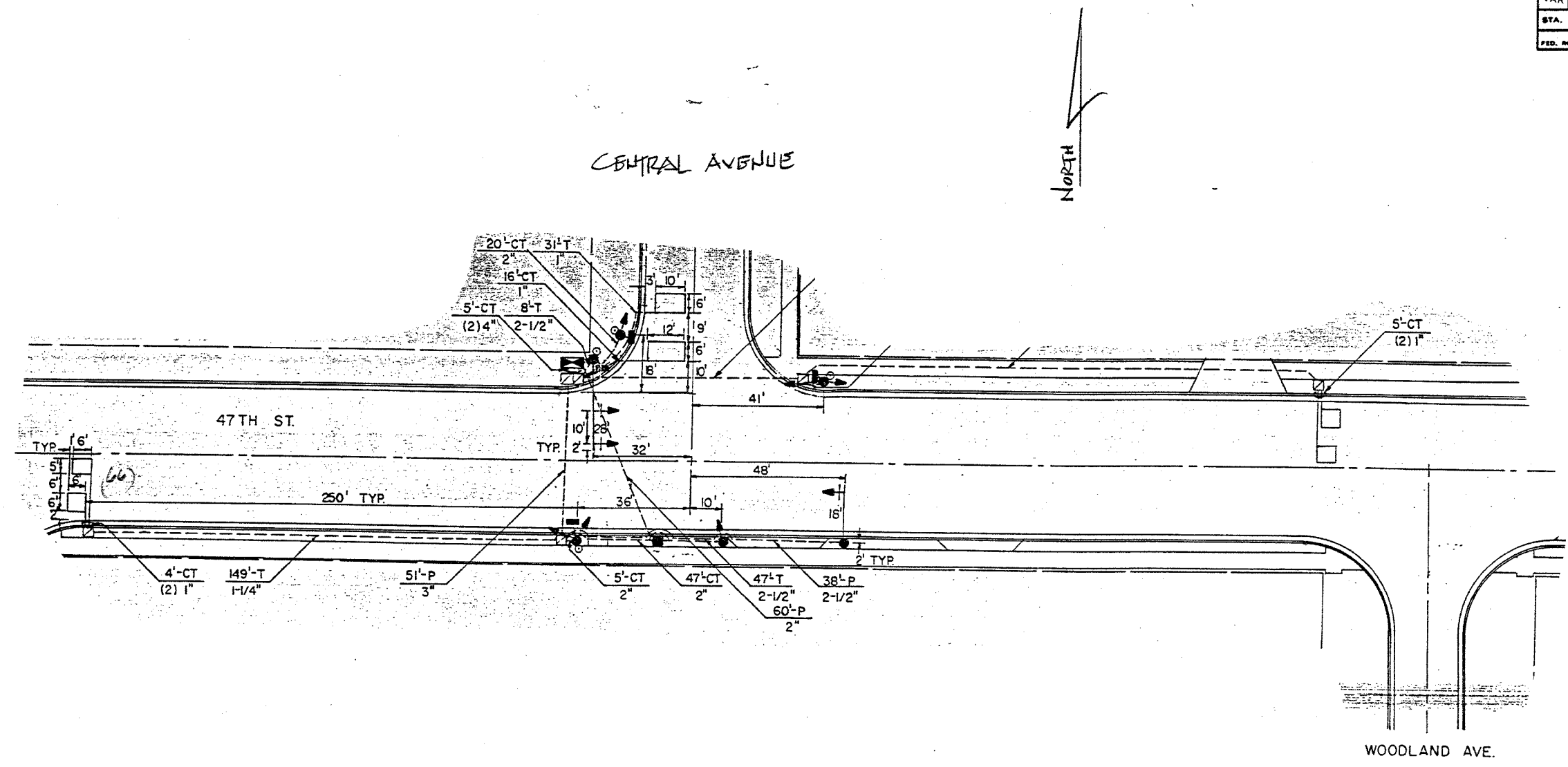
CODE NO.	QUANTITY	UNIT	ITEM
86600600		Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
 39TH STREET @ ILL. RTE. 50  
 SCALE: 1" = 20'  
 DATE: AUG 7, 05  
 DRAWN BY: J.E.  
 DESIGNED BY:  
 CHECKED BY: J.E.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2004-083 I	COOK	40	32
STA. TO STA.		FED. ROAD DIST NO. 7 ILLINOIS FED AID PROJECT	

62825



**NOTE:**  
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**REPLACE ALL DETECTOR LOOPS AS SHOWN**  
 (WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	66	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

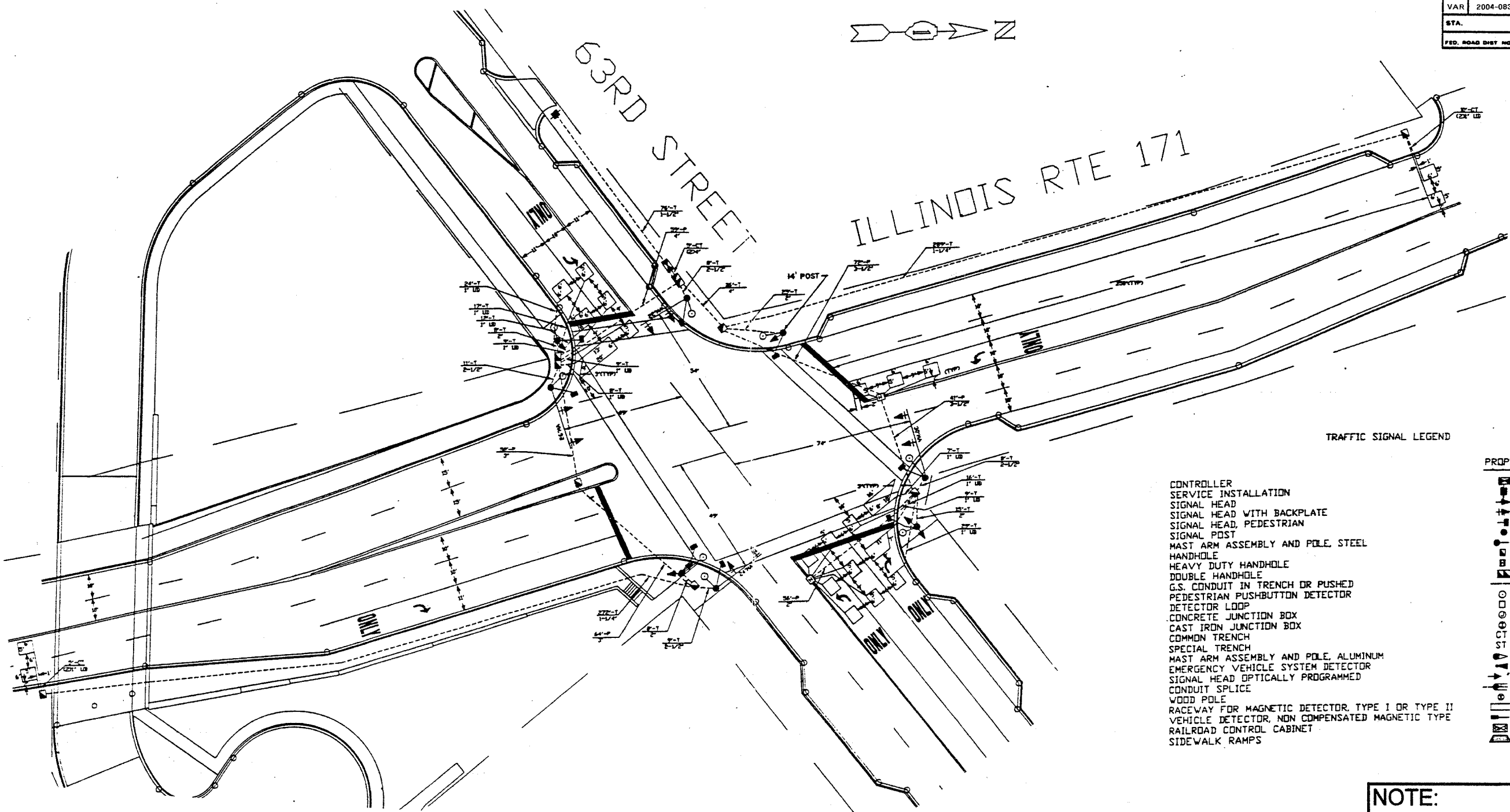
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
 47TH ST. @ CENTRAL AVENUE  
 SCALE: 1" = 20'  
 DATE: AUG. 05  
 DRAWN BY: IE  
 DESIGNED BY: IE  
 CHECKED BY: IE

#3



F.A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2004-083 I	COOK	40	33
STA.		TO STA.		
FED. ROAD DIST NO 7		ILLINOIS	FED AID PROJECT	

62825



TRAFFIC SIGNAL LEGEND

PROPOSED	EXISTING

FOR INFORMATION ONLY

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**REPLACE ALL DETECTOR LOOPS AS SHOWN**

(WITHIN THE RESURFACING LIMITS)

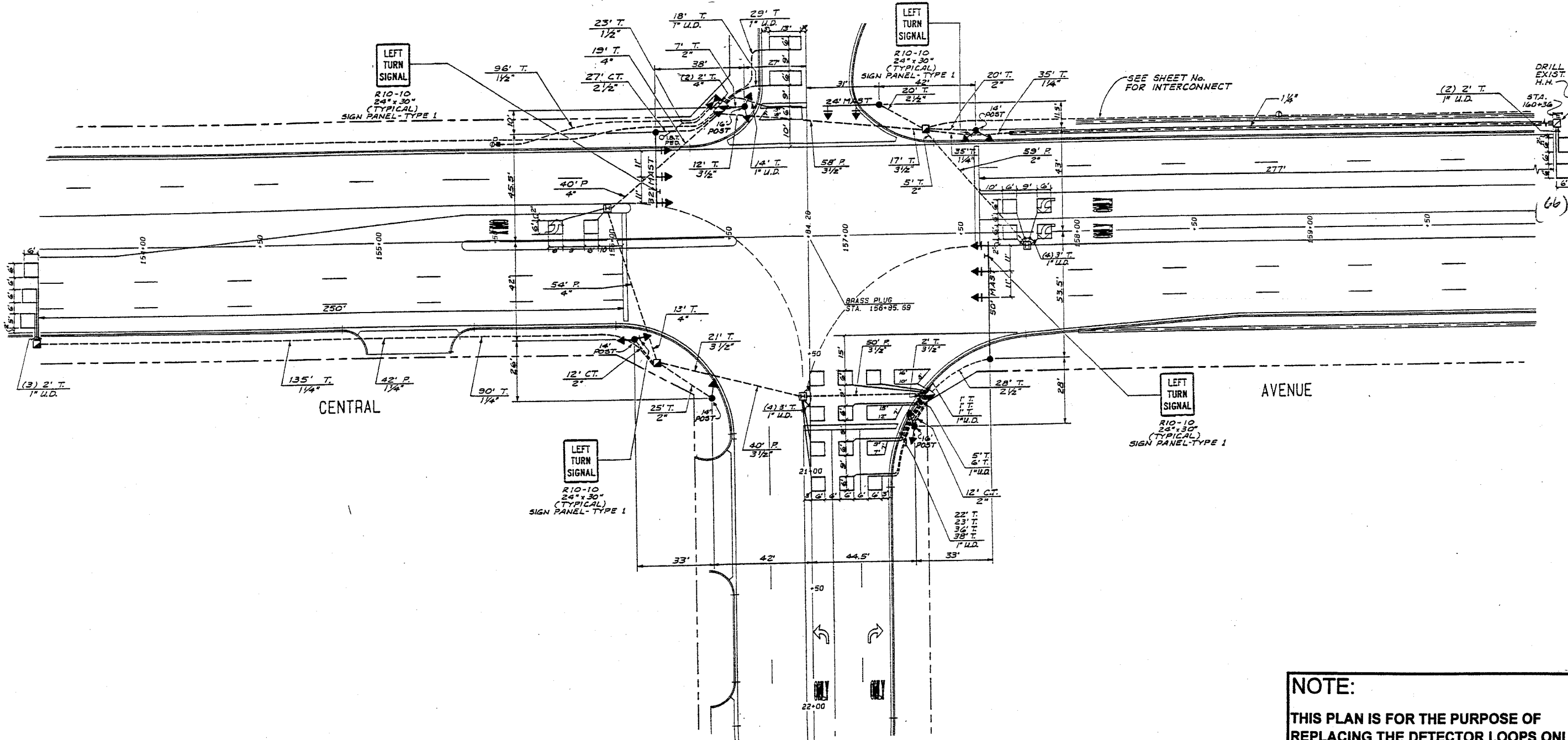
CODE NO.	QUANTITY	UNIT	ITEM
86600600		Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
ILL. RTE 171 @ 63RD STREET  
SCALE: 1" = 20'  
DATE: AUG-05  
DRAWN BY: [Signature]  
DESIGNED BY: [Signature]  
CHECKED BY: [Signature]

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2004-083 I	COOK	40	34
STA. TO STA.		FED. ROAD DIST NO. 7 ILLINOIS	
		FED. AID PROJECT	

62825



**NOTE:**  
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**REPLACE ALL DETECTOR LOOPS AS SHOWN**  
 (WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86500600	(66)	Foot	Detector Loop Replacement

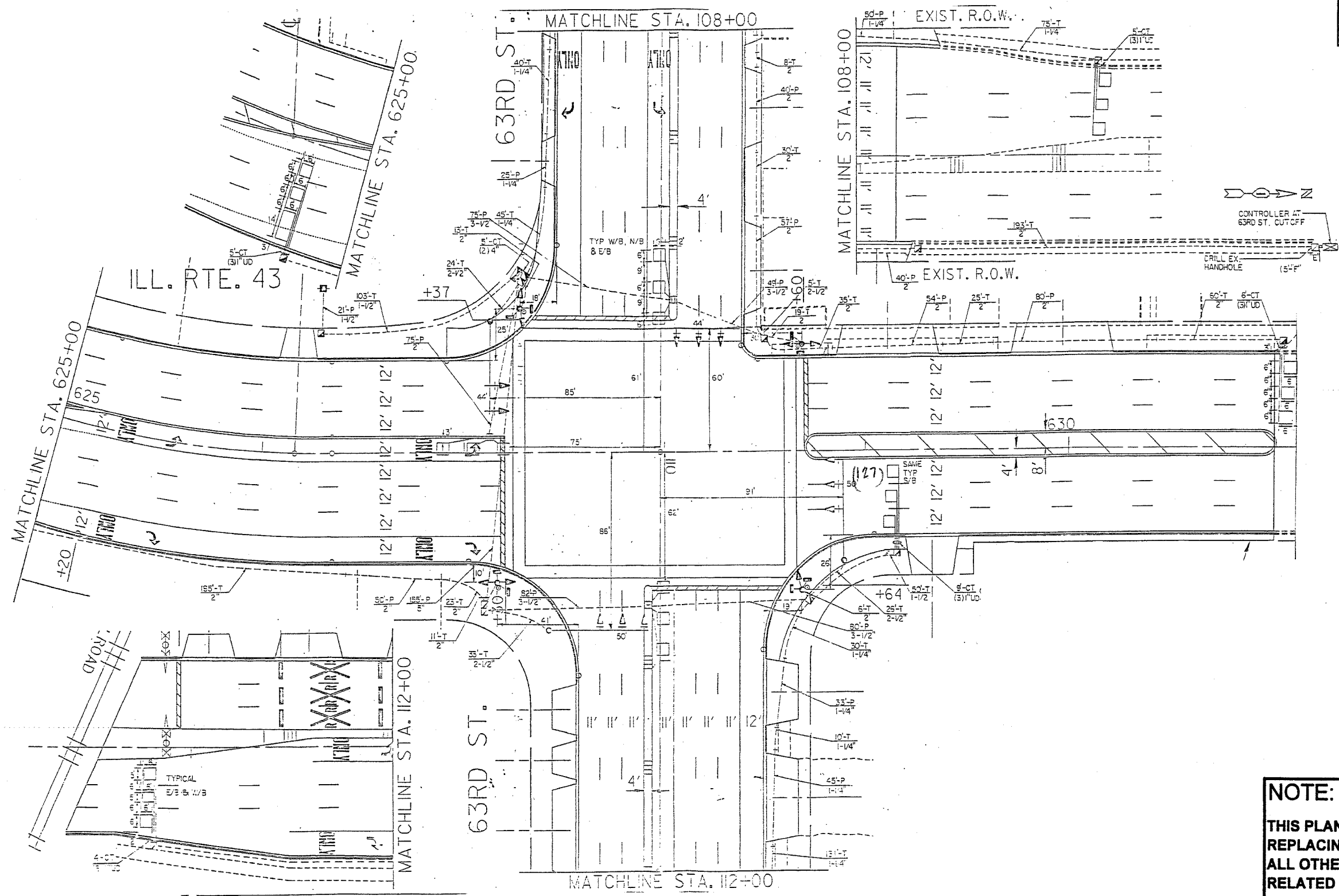
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
 47TH STREET @ CENTRAL AVE.  
 SCALE: T = 20'  
 DATE: AUG. 05  
 DRAWN BY: J.E.  
 DESIGNED BY: J.E.  
 CHECKED BY: J.E.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2004-083 I	COOK	40	35

FED. ROAD DIST NO 7 ILLINOIS FED AID PROJECT  
62825

North



**NOTE:**  
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**REPLACE ALL DETECTOR LOOPS AS SHOWN**  
(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	127	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

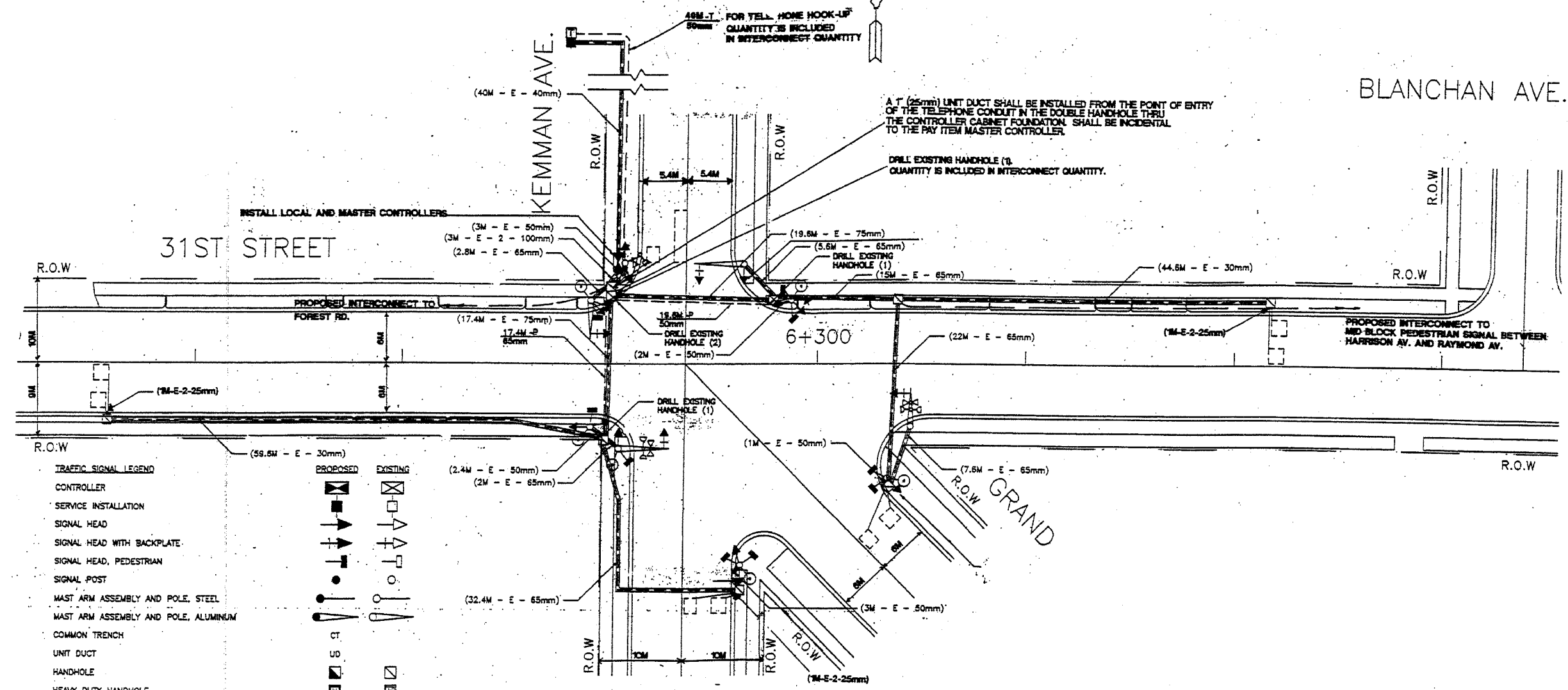
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
ILL. ROUTE 43 @ 63RD STREET

SCALE: 1" = 20'  
DATE: AUG. 05

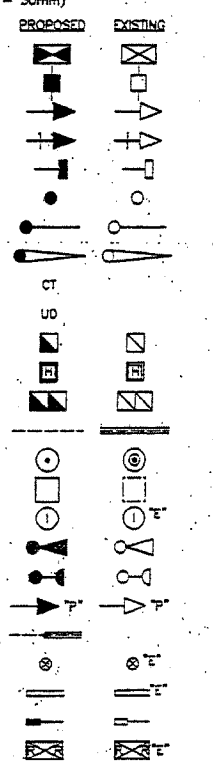
DRAWN BY: J.E.  
DESIGNED BY: J.E.  
CHECKED BY: J.E.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2004-083 I	COOK	40	36
STA. TO STA.		FED. ROAD DIST NO. 7 ILLINOIS FED. AID PROJECT	

62825



- TRAFFIC SIGNAL LEGEND**
- CONTROLLER
  - SERVICE INSTALLATION
  - SIGNAL HEAD
  - SIGNAL HEAD WITH BACKPLATE
  - SIGNAL HEAD, PEDESTRIAN
  - SIGNAL POST
  - MAST ARM ASSEMBLY AND POLE, STEEL
  - MAST ARM ASSEMBLY AND POLE, ALUMINUM
  - COMMON TRENCH
  - UNIT DUCT
  - HANDHOLE
  - HEAVY DUTY HANDHOLE
  - DOUBLE HANDHOLE
  - G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)
  - PEDESTRIAN PUSHBUTTON DETECTOR
  - DETECTOR LOOP
  - CAST IRON JUNCTION BOX
  - EMERGENCY VEHICLE LIGHT DETECTOR
  - CONFIRMATION BEACON
  - SIGNAL HEAD OPTICALLY PROGRAMMED
  - CONDUIT SPLICE
  - WOOD POLE
  - RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II
  - VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE
  - RAILROAD CONTROL CABINET



- TRAFFIC SIGNAL LEGEND CONT'D**
- COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE
  - TELEPHONE CONNECTION
  - ILLUMINATED SIGN "NO LEFT TURN"
  - ILLUMINATED SIGN "NO RIGHT TURN"

**FOR INFORMATION ONLY**

**NOTE:**  
THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

**REPLACE ALL DETECTOR LOOPS AS SHOWN**

(WITHIN THE RESURFACING LIMITS)

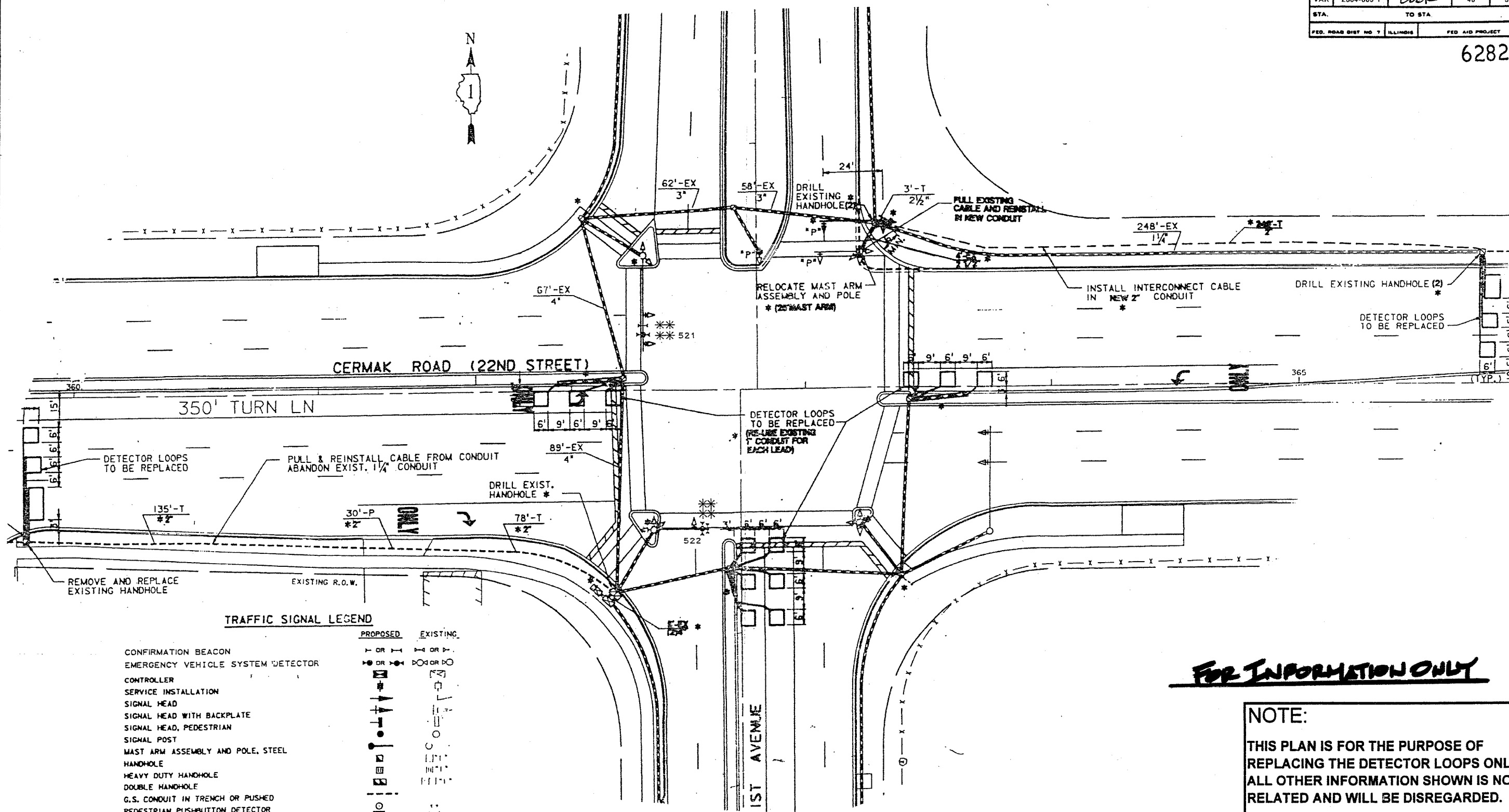
CODE NO.	QUANTITY	UNIT	ITEM
86600600		Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
31st STREET @ KEMMAN AV.  
SCALE: 1" = 20'  
DATE: AUG. 05  
DRAWN BY: J.E.  
DESIGNED BY: J.E.  
CHECKED BY: J.E.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2004-083 1	COOK	40	37
STA. TO STA.		FED. ROAD DIST NO 7 ILLINOIS	
		FED AID PROJECT	

62825



**TRAFFIC SIGNAL LEGEND**

	PROPOSED	EXISTING
CONFIRMATION BEACON	Y OR I	I OR Y
EMERGENCY VEHICLE SYSTEM DETECTOR	OR	OR
CONTROLLER	□	□
SERVICE INSTALLATION	□	□
SIGNAL HEAD	▲	▲
SIGNAL HEAD WITH BACKPLATE	▲	▲
SIGNAL HEAD, PEDESTRIAN	▲	▲
SIGNAL POST	○	○
MAST ARM ASSEMBLY AND POLE, STEEL	⊙	⊙
HANDHOLE	□	□
HEAVY DUTY HANDHOLE	□	□
DOUBLE HANDHOLE	□	□
G.S. CONDUIT IN TRENCH OR PUSHED	—	—
PEDESTRIAN PUSHBUTTON DETECTOR	○	○
DETECTOR LOOP	□	□
CONCRETE JUNCTION BOX	□	□
CAST IRON JUNCTION BOX	□	□
COMMON TRENCH	—	—
MAST ARM ASSEMBLY AND POLE, ALUMINUM	⊙	⊙
SIGNAL HEAD OPTICALLY PROGRAMMED	▲	▲
CONDUIT SPLICE	○	○
WOOD POLE	⊙	⊙
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	—	—
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	—	—
RAILROAD CONTROL CABINET	□	□

**REPLACE ALL DETECTOR LOOPS AS SHOWN**

(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600		Foot	Detector Loop Replacement

**FOR INFORMATION ONLY**

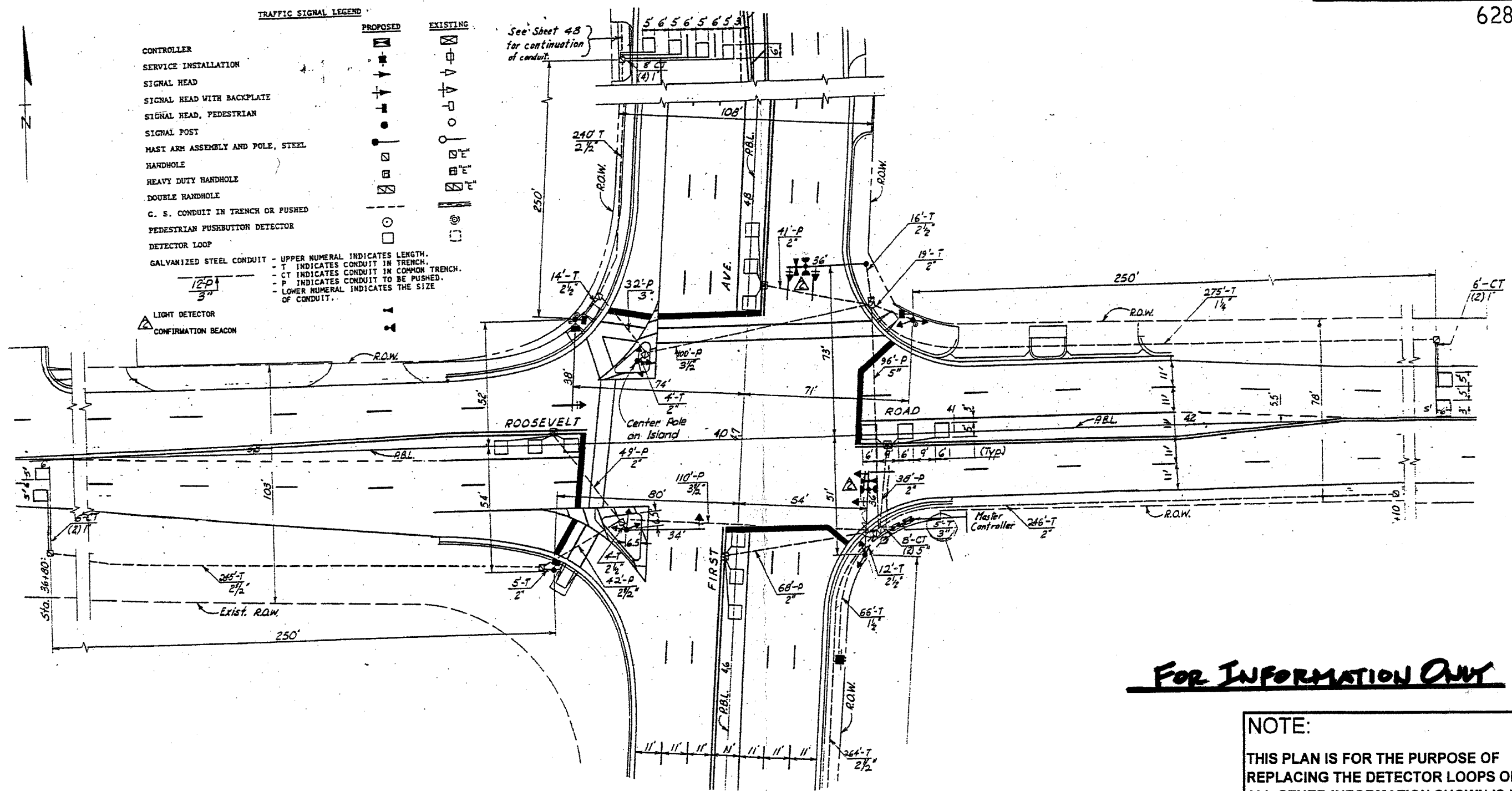
**NOTE:**  
THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
CERMAIK ROAD @ 1ST AVENUE

SCALE: 1" = 20'  
DATE: AUG, 05

DRAWN BY: J.E.  
DESIGNED BY:  
CHECKED BY: J.E.

REVISIONS	
NAME	DATE



**FOR INFORMATION ONLY**

**NOTE:**  
THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

**REPLACE ALL DETECTOR LOOPS AS SHOWN**  
(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600		Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

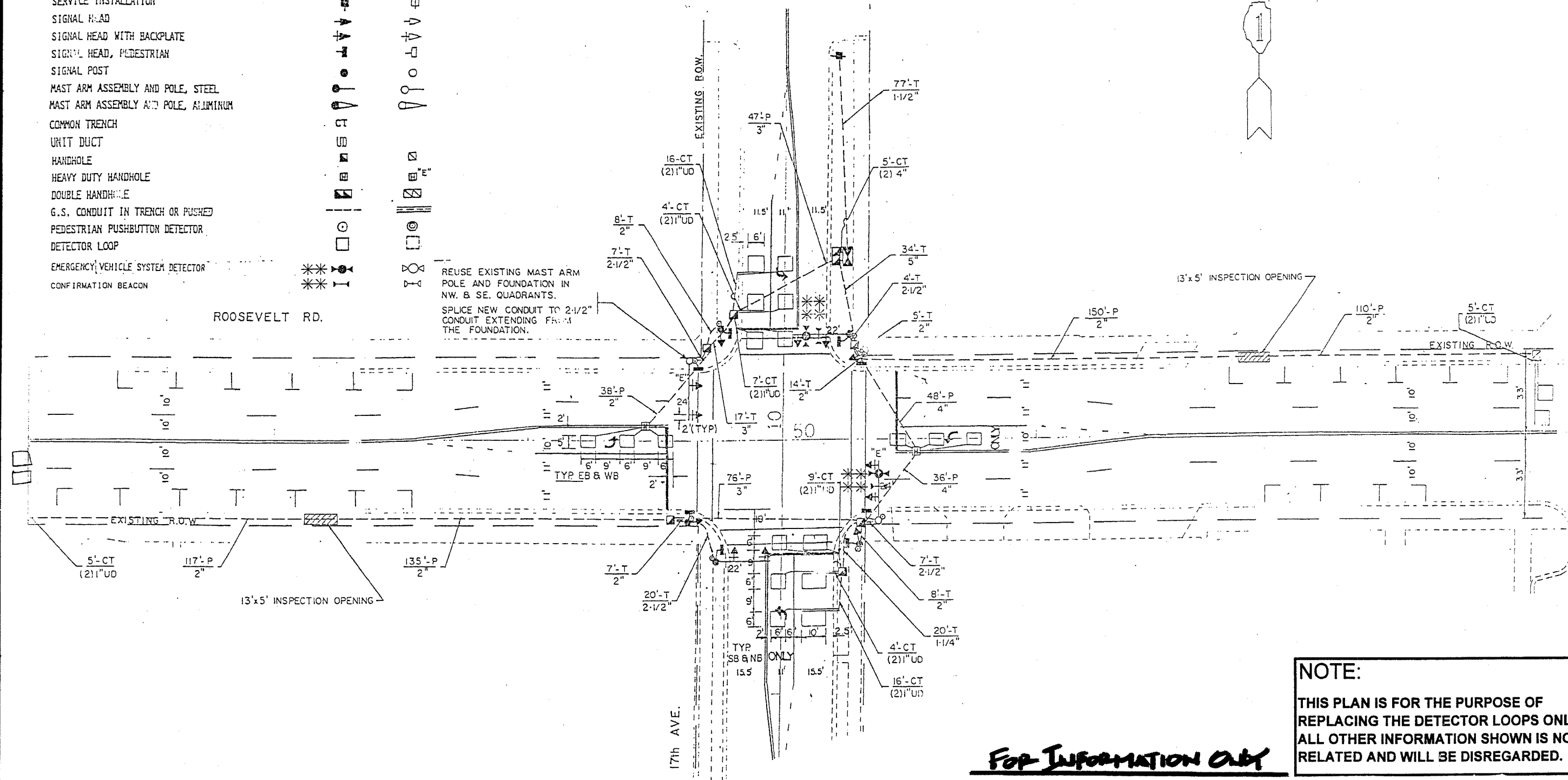
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
ROOSEVELT ROAD @ FIRST AVENUE  
SCALE: 1" = 20'  
DATE AUG. 05  
DRAWN BY J.E.  
DESIGNED BY J.E.  
CHECKED BY J.E.

STATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2004-083 I	COOK	40	39
STA.	TO STA.			
FED. ROAD DIST NO. 7	ILLINOIS	FED. AID PROJECT		

62825

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER	[Symbol]	[Symbol]
SERVICE INSTALLATION	[Symbol]	[Symbol]
SIGNAL HEAD	[Symbol]	[Symbol]
SIGNAL HEAD WITH BACKPLATE	[Symbol]	[Symbol]
SIGNAL HEAD, PEDESTRIAN	[Symbol]	[Symbol]
SIGNAL POST	[Symbol]	[Symbol]
MAST ARM ASSEMBLY AND POLE, STEEL	[Symbol]	[Symbol]
MAST ARM ASSEMBLY AND POLE, ALUMINUM	[Symbol]	[Symbol]
COMMON TRENCH	[Symbol]	[Symbol]
UNIT DUCT	[Symbol]	[Symbol]
HANDHOLE	[Symbol]	[Symbol]
HEAVY DUTY HANDHOLE	[Symbol]	[Symbol]
DOUBLE HANDHOLE	[Symbol]	[Symbol]
G.S. CONDUIT IN TRENCH OR PUSHED	[Symbol]	[Symbol]
PEDESTRIAN PUSHBUTTON DETECTOR	[Symbol]	[Symbol]
DETECTOR LOOP	[Symbol]	[Symbol]
EMERGENCY VEHICLE SYSTEM DETECTOR	[Symbol]	[Symbol]
CONFIRMATION BEACON	[Symbol]	[Symbol]



REUSE EXISTING MAST ARM POLE AND FOUNDATION IN NW. & SE. QUADRANTS. SPLICE NEW CONDUIT TO 2-1/2\"/>

**NOTE:**  
 THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

**FOR INFORMATION ONLY**

**REPLACE ALL DETECTOR LOOPS AS SHOWN  
 (WITHIN THE RESURFACING LIMITS)**

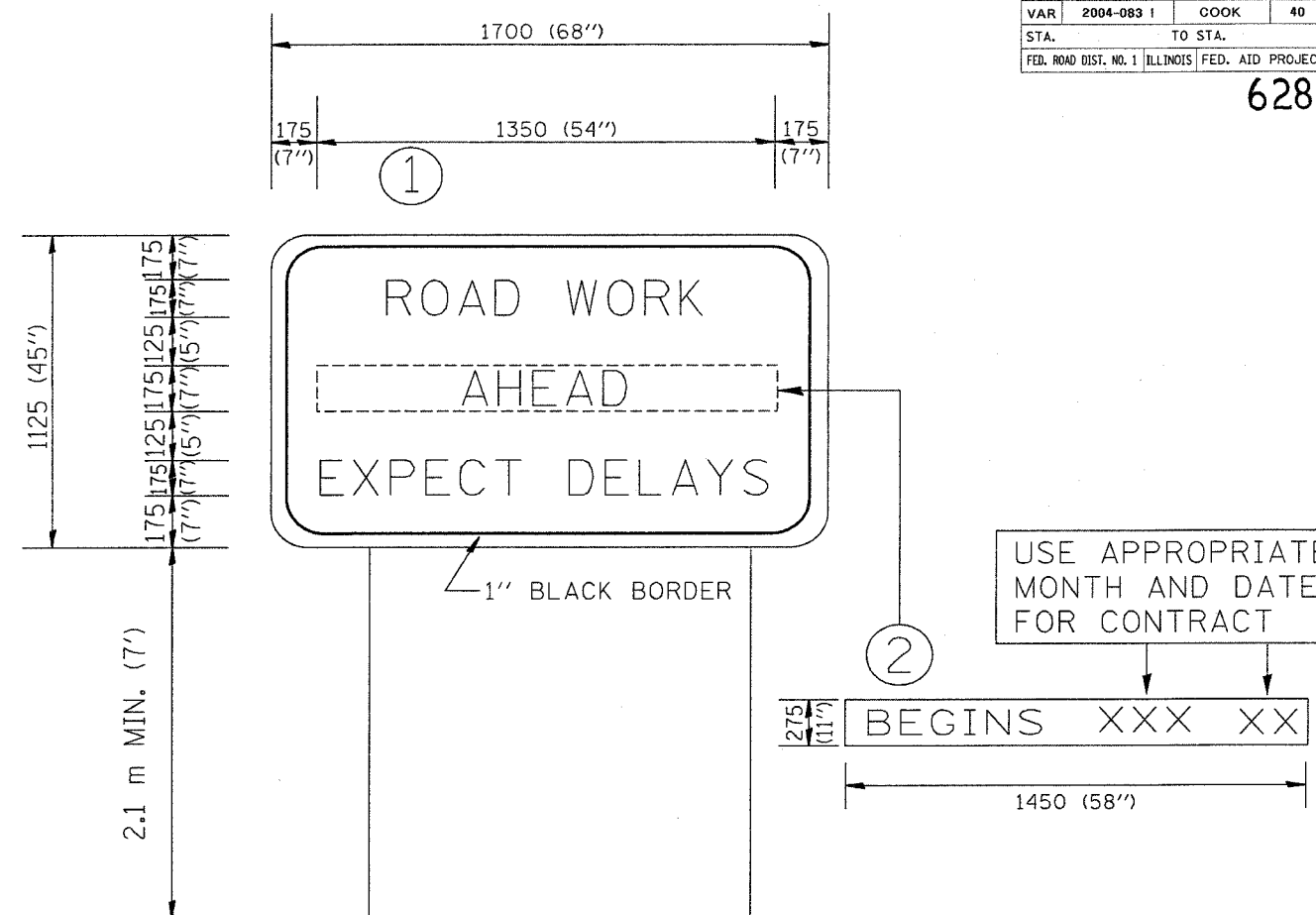
CODE NO.	QUANTITY	UNIT	ITEM
86600600		Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT**  
 ROOSEVELT ROAD @ 17TH AVENUE  
 SCALE: 1" = 20'  
 DATE: AUG 05  
 DRAWN BY: [Signature]  
 DESIGNED BY: [Signature]  
 CHECKED BY: [Signature]

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2004-083 I	COOK	40	40
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		

62825



NOTES:

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

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION  
TEMPORARY INFORMATION SIGNING

SCALE: DATE 9/6/2005  
DRAWN BY: BUR. OF DESIGN  
CHECKED BY

TC22  
REVISION DATE: 02/02/99