

SUMMARY OF QUANTITIES				STU FUNDS								
S.I.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004	0021	IL RTE 43 (HARLEM AVE) @ 191ST STREET	OAK PARK AVE @ 191ST STREET	INTERCONNECT	STREET LIGHTING	0042	
	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	93	93							
	55100400	STORM SEWER REMOVAL 10"	FOOT	9	9							
	55100500	STORM SEWER REMOVAL 12"	FOOT	17	17							
	55100700	STORM SEWER REMOVAL 15"	FOOT	5	5							
	55100900	STORM SEWER REMOVAL 18"	FOOT	5	5							
	55101200	STORM SEWER REMOVAL 24"	FOOT	37	37							
	55101600	STORM SEWER REMOVAL 36"	FOOT	101	101							
Δ *	58106700	ADJUSTING WATER MAIN 16"	FOOT	100	100							
Δ *	58400100	FIRE HYDRANTS TO BE MOVED	EACH	3	3							
Δ *	58400600	FIRE HYDRANTS	EACH	1	1							
	60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1							
	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1							
	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	15	15							
	60205040	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	3	3							
	60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	1	1							
	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	2	2							
	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	7	7							
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3							
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4							
	60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1	1							
	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	12	12							
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	1	1							
	60250500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	5	5							
	60255500	MANHOLES TO BE ADJUSTED	EACH	10	10							
	60260100	INLETS TO BE ADJUSTED	EACH	3	3							
	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	4	4							

SUMMARY OF QUANTITIES				STU FUNDS								
S.I.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004	0021	IL RTE 43 (HARLEM AVE) @ 191ST STREET	OAK PARK AVE @ 191ST STREET	INTERCONNECT	STREET LIGHTING	0042	
*	60266600	VALVE BOXES TO BE ADJUSTED	EACH	1	1							
	60500050	REMOVING CATCH BASINS	EACH	6	6							
	60500060	REMOVING INLETS	EACH	1	1							
	60600095	CLASS SI CONCRETE (OUTLET)	CU YD	8	8							
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	5065	5065							
Δ	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1438		1438						
Δ	63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2		2						
Δ	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1		1						
Δ	63200310	GUARDRAIL REMOVAL	FOOT	1300		1300						
Δ	66400205	CHAIN LINK FENCE, 5'	FOOT	206		206						
Δ	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	3000		3000						
Δ	66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1		1						
Δ	66900530	SOIL DISPOSAL ANALYSIS	EACH	8		8						
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9		9						
	67100100	MOBILIZATION	L SUM	1		1						
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	196		196						
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	1864		1864						
	70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	873		873						
	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	12101		12101						
	70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	3583		3583						
	70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	578		578						
	70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	296		296						
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	1678		1678						
	70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	6		6						
	72000100	SIGN PANEL - TYPE 1	SQ FT	192		110		71		11		
	72000200	SIGN PANEL - TYPE 2	SQ FT	56		8		28		20		

\* - SPECIALTY PROVISION  
Δ - SPECIALTY ITEMS

FILE NAME = 04282-QUAN-01 - P02	USER NAME =	DESIGNED -- WPD	REVISED -- A 4/14/2017
	PLOT SCALE =	CHECKED -- WPD	REVISED --
	PLOT DATE = 12-05-16	DRAWN -- ACAD	REVISED --
		CHECKED -- ACAD	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

191ST STREET IMPROVEMENTS  
SUMMARY OF QUANTITIES

SCALE: SHEET NO. 5 OF 108 SHEETS STA. TO STA.

F.A.U. RTE. 3754	SECTION 01-0098-00-RS	COUNTY COOK	TOTAL SHEETS 108	SHEET NO. 5
CONTRACT NO. 61A03			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES				STU FUNDS							
S.I.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004	0021	IL RTE 43 (HARLEM AVE) @ 191ST STREET	OAK PARK AVE @ 191ST STREET	INTERCONNECT	STREET LIGHTING	0042
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	7		7					
	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	7		7					
	72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1		1					
Δ	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	1		1					
	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	15		15					
	72900100	METAL POST - TYPE A	FOOT	141		141					
	72900200	METAL POST - TYPE B	FOOT	162		162					
	73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	1		1					
Δ	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1165		1165					
Δ	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	18074		18074					
Δ	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	4741		4741					
Δ	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	209		209					
Δ	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	618		618					
Δ	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	398		398					
Δ	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	250		250					
Δ	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	200		200					
Δ	80400100	ELECTRIC SERVICE INSTALLATION	EACH	1						1	
Δ	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1						1	
Δ	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	3661			765	1261	1635		
Δ	81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	300						300	
Δ	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	336			225	111			
Δ	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	863			528	335			
Δ	81400100	HANDHOLE	EACH	12			7	5			
Δ	81400200	HEAVY-DUTY HANDHOLE	EACH	10			4	6			
Δ	81400300	DOUBLE HANDHOLE	EACH	3			2	1			
Δ	81702480	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 3/0	FOOT	70						70	

SUMMARY OF QUANTITIES				STU FUNDS							
S.I.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004	0021	IL RTE 43 (HARLEM AVE) @ 191ST STREET	OAK PARK AVE @ 191ST STREET	INTERCONNECT	STREET LIGHTING	0042
Δ	82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	27							27
Δ	82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	2							2
Δ	82500380	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP	EACH	1							1
Δ	83008400	LIGHT POLE, ALUMINUM, 40 FT. M.H., 10 FT. MAST ARM	EACH	27							27
Δ	83050800	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 12 FT. MAST ARM	EACH	2							2
Δ	83800200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	266							266
Δ	83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	29							29
Δ	84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	3							3
Δ	84200804	REMOVAL OF POLE FOUNDATION	EACH	15							15
Δ	84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	12							12
Δ	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1			1				
Δ	86400100	TRANSCEIVER - FIBER OPTIC	EACH	2						2	
Δ	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	3955						3955	
Δ	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1670			1110	560			
Δ	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	5195			3815	1380			
Δ	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3600			1440	2160			
Δ	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	8370			5300	3070			
Δ	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	205			165	40			
Δ	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1240			730	510			
Δ	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4					4		
Δ	87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1			1				
Δ	87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1			1				
Δ	87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1			1				
Δ	87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	3				3			
Δ	87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	4			4				
Δ	87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1				1			

\* - SPECIALTY PROVISION  
Δ - SPECIALTY ITEMS

FILE NAME = 04252-QUAN-01 - P03

USER NAME =	DESIGNED -- WPD	REVISED -- 4/14/2017
	CHECKED -- WPD	REVISED --
PLOT SCALE =	DRAWN -- ACAD	REVISED --
PLOT DATE = 12-05-16	CHECKED -- ACAD	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

191ST STREET IMPROVEMENTS  
SUMMARY OF QUANTITIES

SCALE: SHEET NO. 6 OF 108 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3754	01-00098-00-RS	COOK	108	6
CONTRACT NO. 61A03				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				STU FUNDS							
S.I.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004	0021	IL RTE 43 (HARLEM AVE) @ 191ST STREET	OAK PARK AVE @ 191ST STREET	INTERCONNECT	STREET LIGHTING	0042
A	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20			4	16			
A	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	8			4	4			
A	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	34			34				
A	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	104			52	52			
A	87900200	DRILL EXISTING HANDHOLE	EACH	2			1		1		
A	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	18			12	6			
A	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2			2				
A	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6				6			
A	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	12			6	6			
A	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	30			18	12			
A	88500100	INDUCTIVE LOOP DETECTOR	EACH	28			18	10			
A	88600100	DETECTOR LOOP, TYPE I	FOOT	1635			920	715			
A	88700200	LIGHT DETECTOR	EACH	6			4	2			
A	88700300	LIGHT DETECTOR AMPLIFIER	EACH	2			1	1			
A	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1			1				
A	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	520					520		
A	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1			1				
A	89502380	REMOVE EXISTING HANDHOLE	EACH	7			7				
A	89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1			1				
A	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	8			8				
*	Z0004538	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10'	SQ YD	70	70						
*	Z0022800	FENCE REMOVAL	FOOT	230	230						
*	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52		52					
A	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	10						10	
A	Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	2					2		
A	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1			1				

SUMMARY OF QUANTITIES				STU FUNDS							
S.I.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004	0021	IL RTE 43 (HARLEM AVE) @ 191ST STREET	OAK PARK AVE @ 191ST STREET	INTERCONNECT	STREET LIGHTING	0042
*	Z0076600	TRAINEES	HOUR	1000							1000
*	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1000							1000
*	X0301797	GATE REMOVAL	EACH	2	2						
*	X0322936	REMOVE EXISTING FLARED END SECTION	EACH	1	1						
A	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1670			1110	560			
A	X0324589	ROD AND CLEAN EXISTING CONDUIT	FOOT	520						520	
*	X0326657	RELOCATE SIGN, SPECIAL	EACH	1		1					
*	X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	5288		5288					
A	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	2			1	1			
*	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	100	100						
*	X2800510	INLET FILTER CLEANING	EACH	80	80						
*	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	2	2						
*	X6060060	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.06 (SPECIAL)	FOOT	941	941						
*	X6060700	CONCRETE MEDIAN, TYPE SB-9.06 (SPECIAL)	SQ FT	4632	4632						
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1		1					
*	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	4850		4850					
A	X8163090	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	8400							8400
A	X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	14							14
A	X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	2			1	1			
A	X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	2			1	1			
A	X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	3955						3955	

\* - SPECIALTY PROVISION  
 A - SPECIALTY ITEMS

FILE NAME = 04252-QJAN-01 - P04

USER NAME =  
 PLOT SCALE =  
 PLOT DATE = 12-05-16

DESIGNED -- WPD  
 CHECKED -- WPD  
 DRAWN -- ACAD  
 CHECKED -- ACAD

REVISED -- A 4/14/2017  
 REVISED --  
 REVISED --  
 REVISED --

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

191ST STREET IMPROVEMENTS  
 SUMMARY OF QUANTITIES

SCALE: SHEET NO. 7 OF 108 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3754	01-00098-00-RS	COOK	108	7
CONTRACT NO. 61A03				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

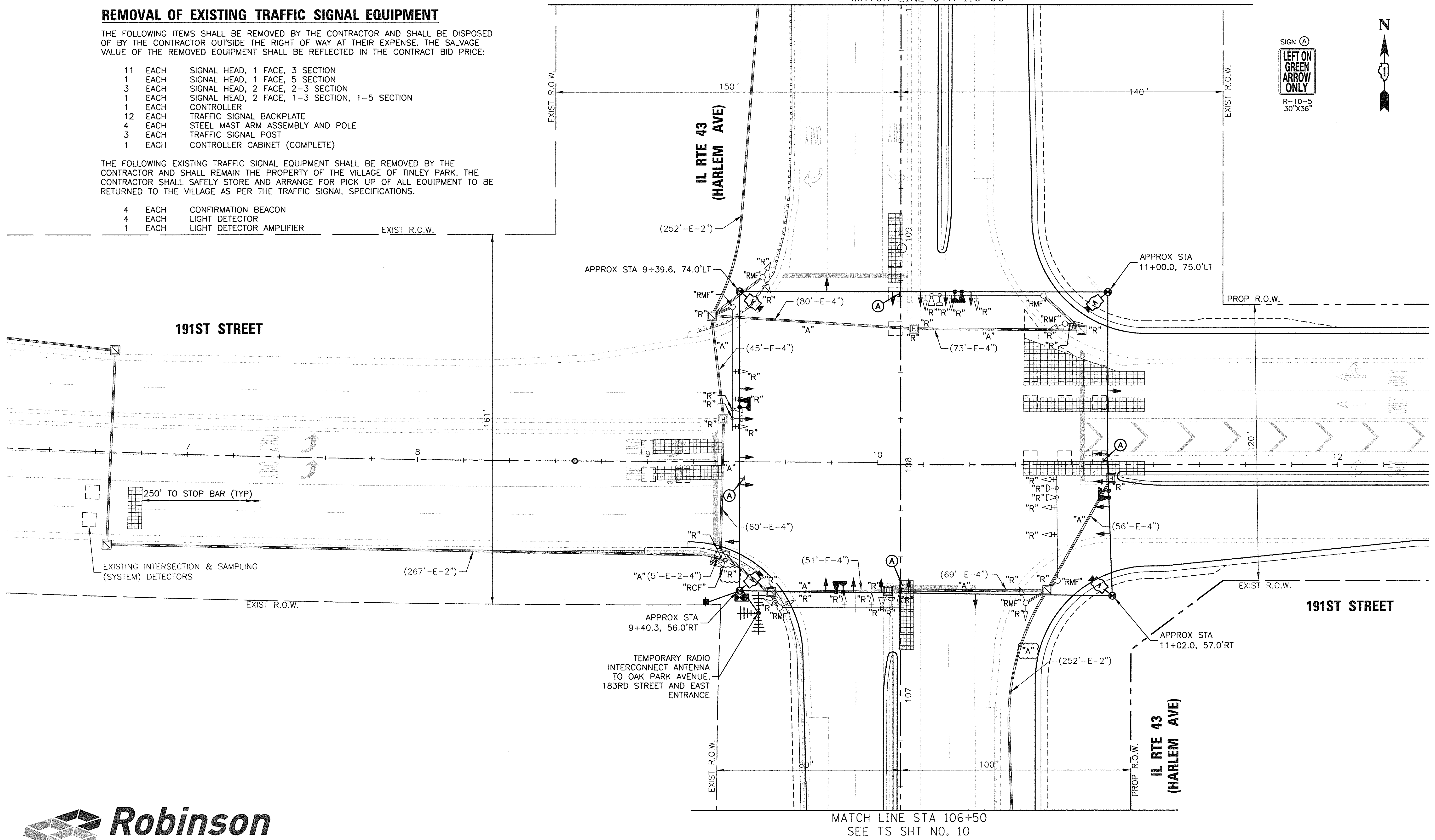
**REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT**

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR OUTSIDE THE RIGHT OF WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE:

- 11 EACH SIGNAL HEAD, 1 FACE, 3 SECTION
- 1 EACH SIGNAL HEAD, 1 FACE, 5 SECTION
- 3 EACH SIGNAL HEAD, 2 FACE, 2-3 SECTION
- 1 EACH SIGNAL HEAD, 2 FACE, 1-3 SECTION, 1-5 SECTION
- 1 EACH CONTROLLER
- 12 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 3 EACH TRAFFIC SIGNAL POST
- 1 EACH CONTROLLER CABINET (COMPLETE)

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE VILLAGE OF TINLEY PARK. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE VILLAGE AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 4 EACH CONFIRMATION BEACON
- 4 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER



TS SHT NO. 9



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

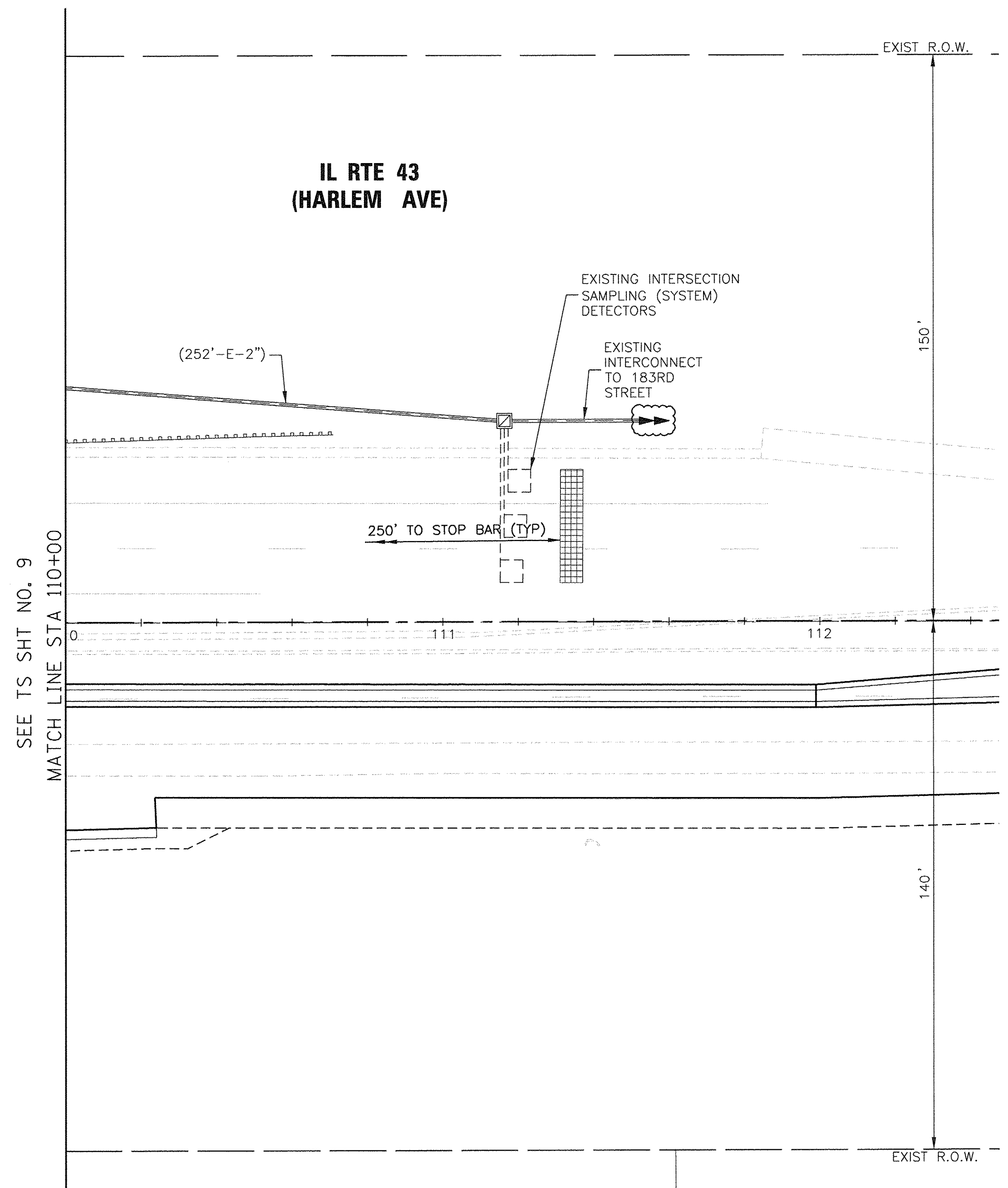
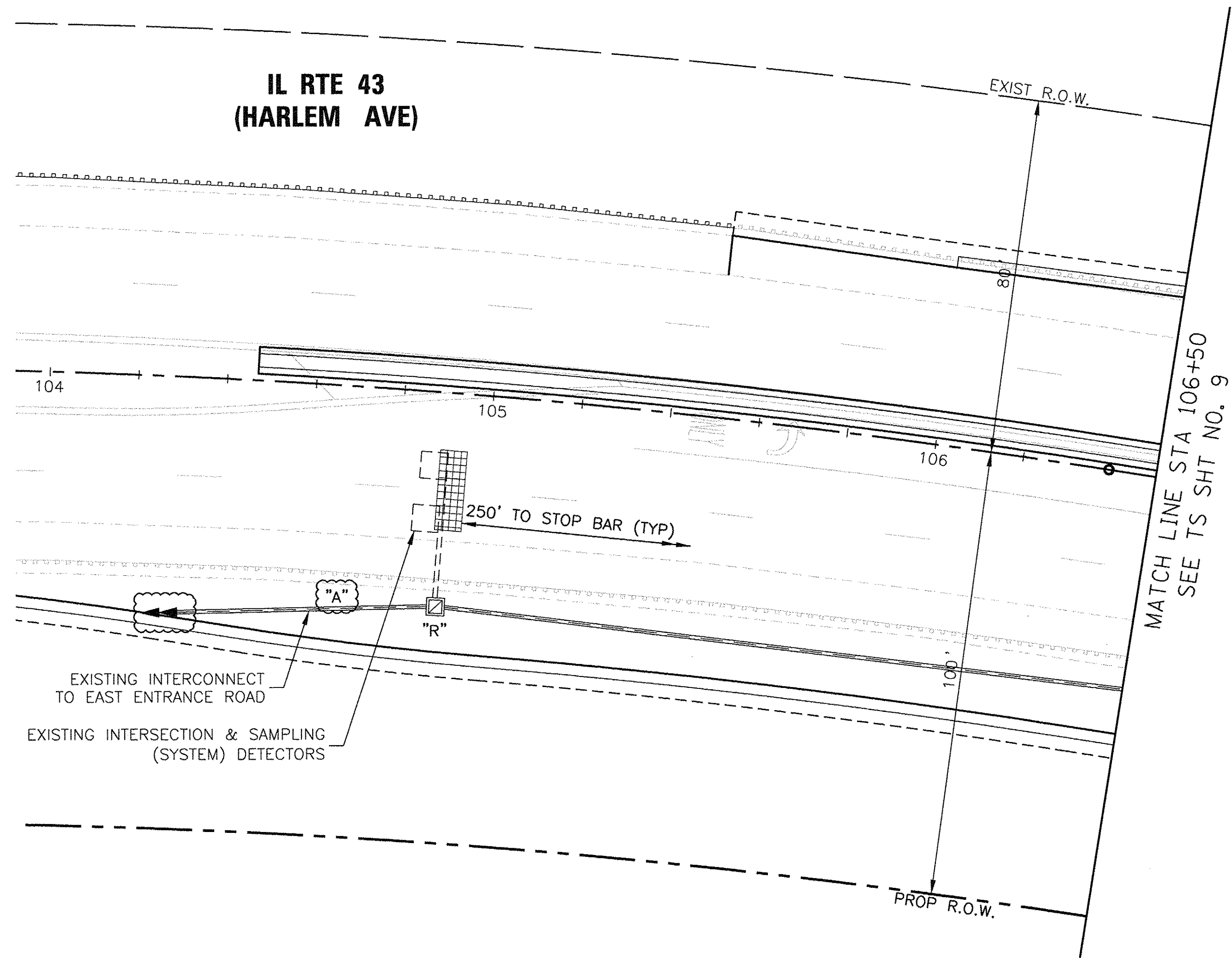
TEMPORARY TRAFFIC SIGNAL INSTALLATION REMOVAL STAGE  
IL ROUTE 43 (HARLEM AVENUE) AT 191ST STREET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3754	01-00098-00-RS	COOK	108	52
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A03	

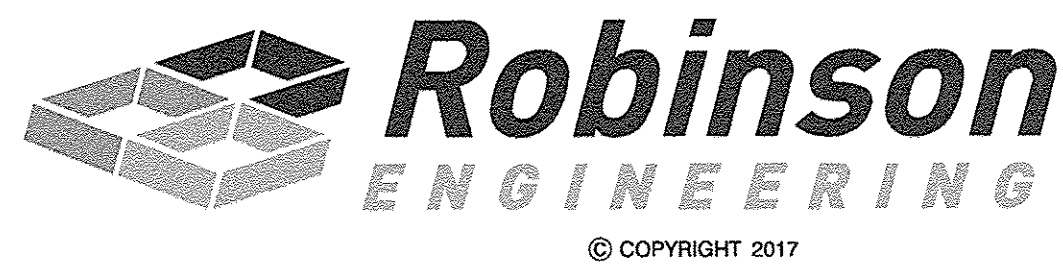
TS 22263  
ECON 171

FILE NAME = 04252-SGNL-02.dgn	USER NAME =	DESIGNED - WPD	REVISED - A 4/14/2017
\$FILEL\$		DRAWN - PS	REVISED -
Default		CHECKED - WPD	REVISED -
		DATE - 12-05-16	REVISED -

SCALE: 1"=20' SHEET 52 OF 108 SHEETS STA. TO STA.



TS SHT NO. 10



**TS 22263  
ECON 171**

FILE NAME = 04252-SGNL-02.dgn	USER NAME =	DESIGNED - WPD	REVISED - $\Delta$ 4-14-2017
#FILE#		DRAWN - PS	REVISED -
Default		CHECKED - WPD	REVISED -
	PLOT SCALE = 1"=20'	DATE - 12-05-16	REVISED -
	PLOT DATE = 3-30-17		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

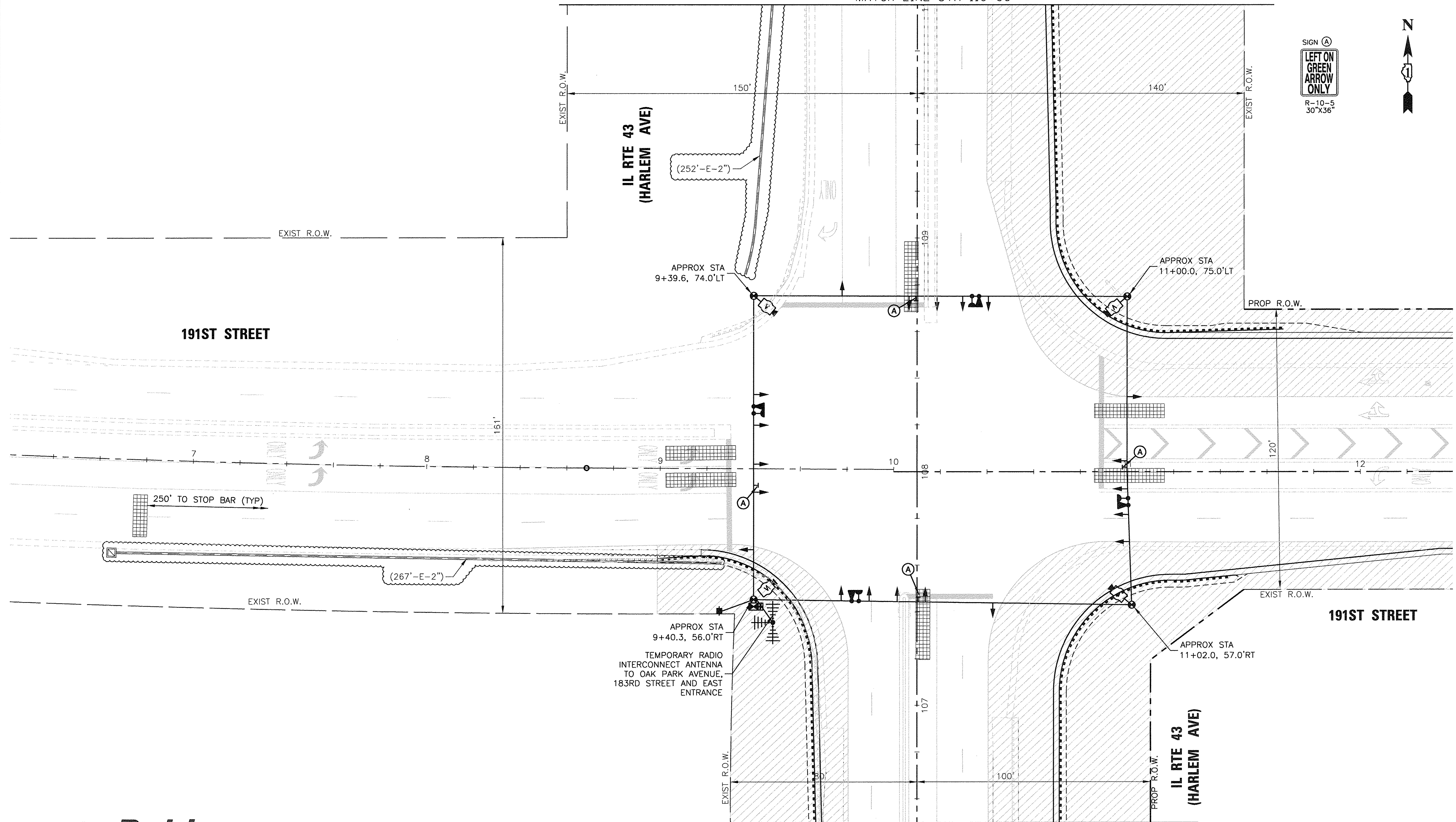
**TEMPORARY TRAFFIC SIGNAL INSTALLATION REMOVAL STAGE  
IL ROUTE 43 (HARLEM AVENUE) AT 191ST STREET**

SCALE: 1"=20' SHEET 53 OF 108 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3754	01-00098-00-RS	COOK	108	53
				CONTRACT NO. 61A03
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

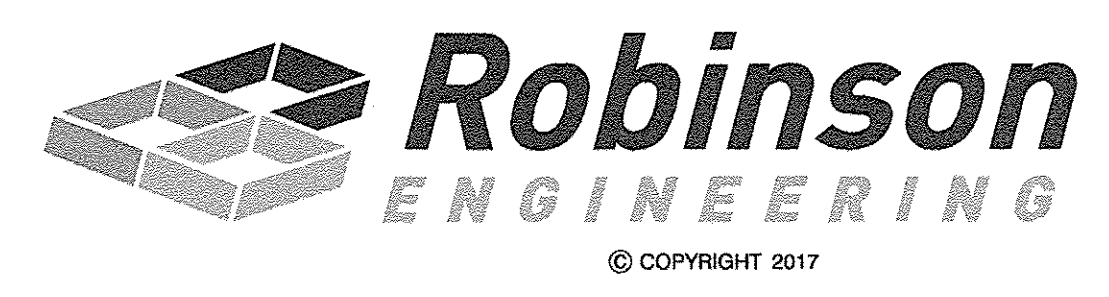
SEE TS SHT NO. 12  
MATCH LINE STA 110+00

SIGN (A)  
**LEFT ON GREEN  
ARROW ONLY**  
R-10-S  
30"X36"



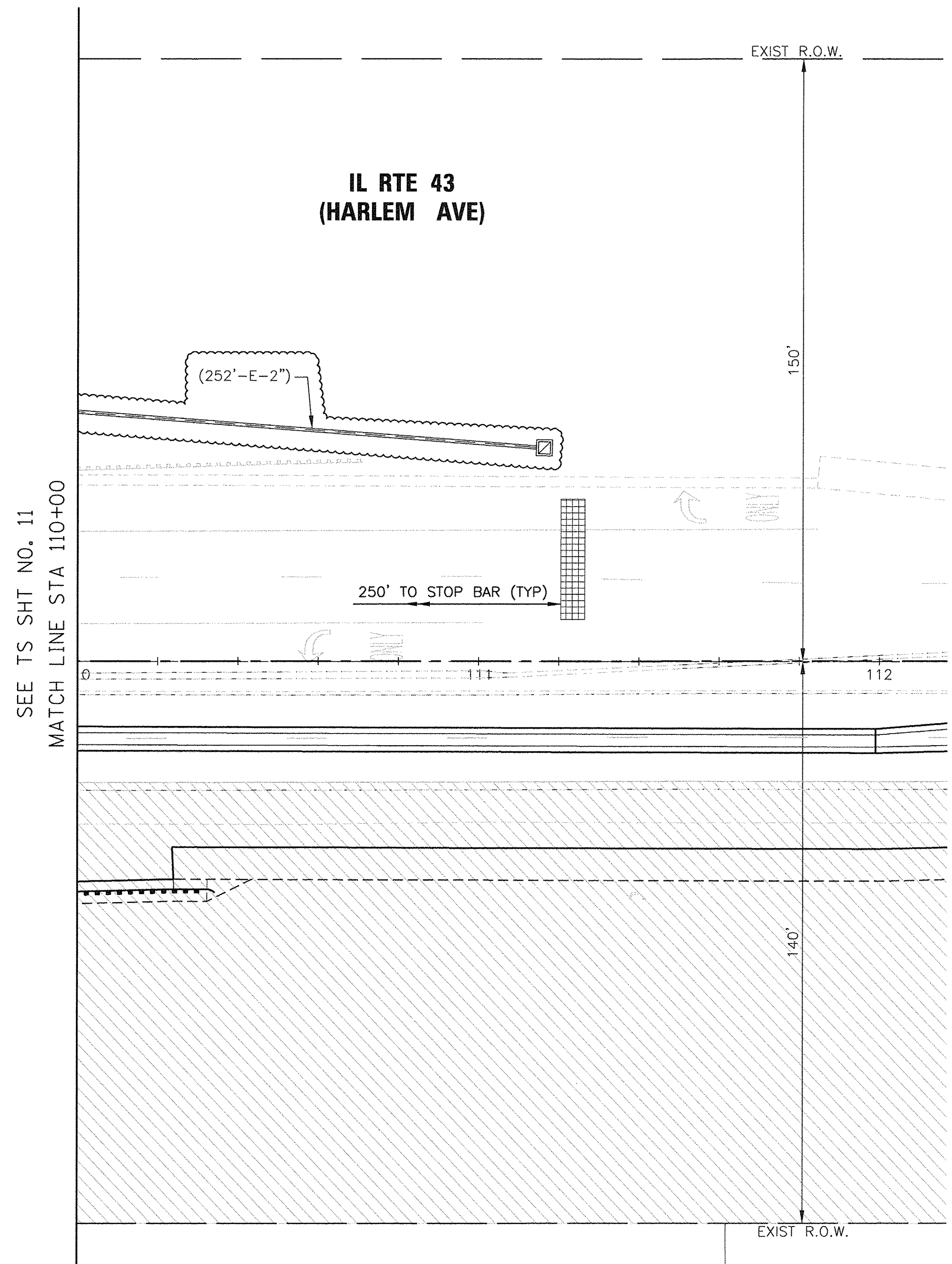
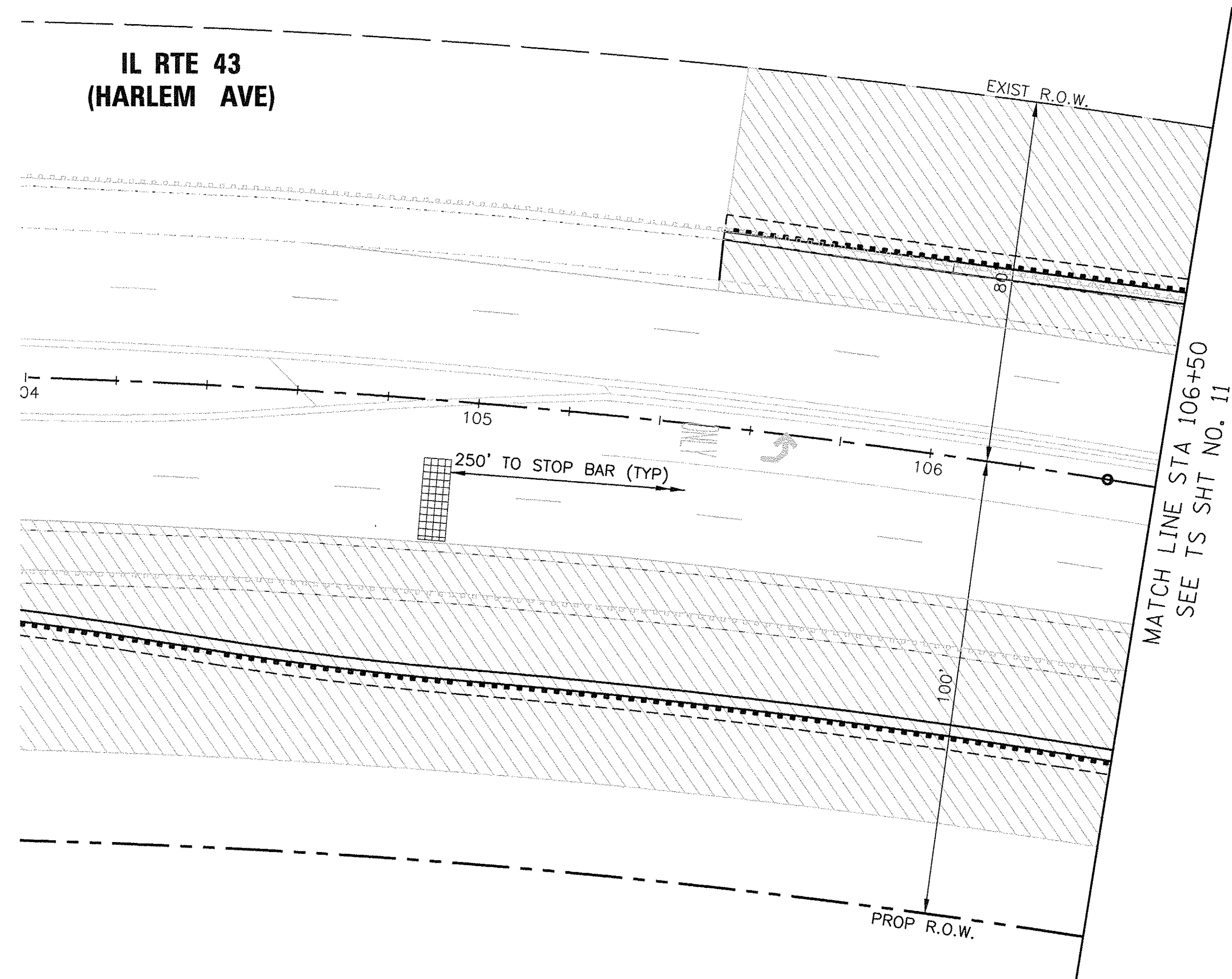
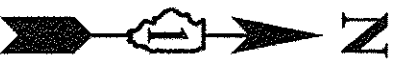
MATCH LINE STA 106+50  
SEE TS SHT NO. 12

TS SHT NO. 11

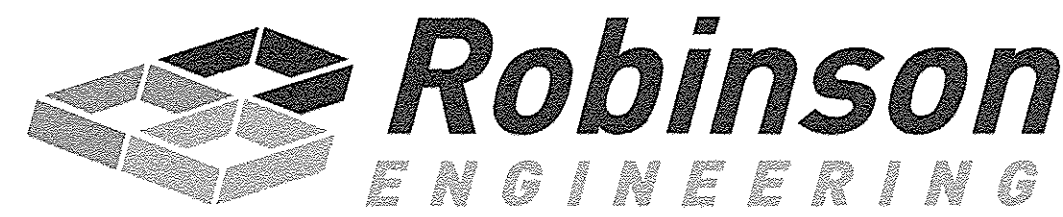


TS 22263  
ECON 171

FILE NAME = 04252-SGNL-02A.dgn #FILEL# Default	USER NAME =	DESIGNED - WPD	REVISED - A 4-14-2017	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION - STAGE I IL ROUTE 43 (HARLEM AVENUE) AT 191ST STREET	F.A.U. RTE. = 3754	SECTION = 01-00098-00-RS	COUNTY = COOK	TOTAL SHEETS = 108	SHEET NO. = 54
	PLOT SCALE = 1"=20'	CHECKED - WPD	REVISED -			SCALE: 1"=20'	SHEET 54 OF 108 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
	PLOT DATE = 3-30-17	DATE = 12-05-16	REVISED -			CONTRACT NO. 61A03				



TS SHT NO. 12



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**TS 22263  
ECON 171**

FILE NAME = 04252-SGNL-02A.dgn	USER NAME =	DESIGNED - WPD	REVISED - 4-14-2017
#FILEL*		DRAWN - PS	REVISED -
Default	PLOT SCALE = 1"=20'	CHECKED - WPD	REVISED -
	PLOT DATE = 3-30-17	DATE - 12-05-16	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

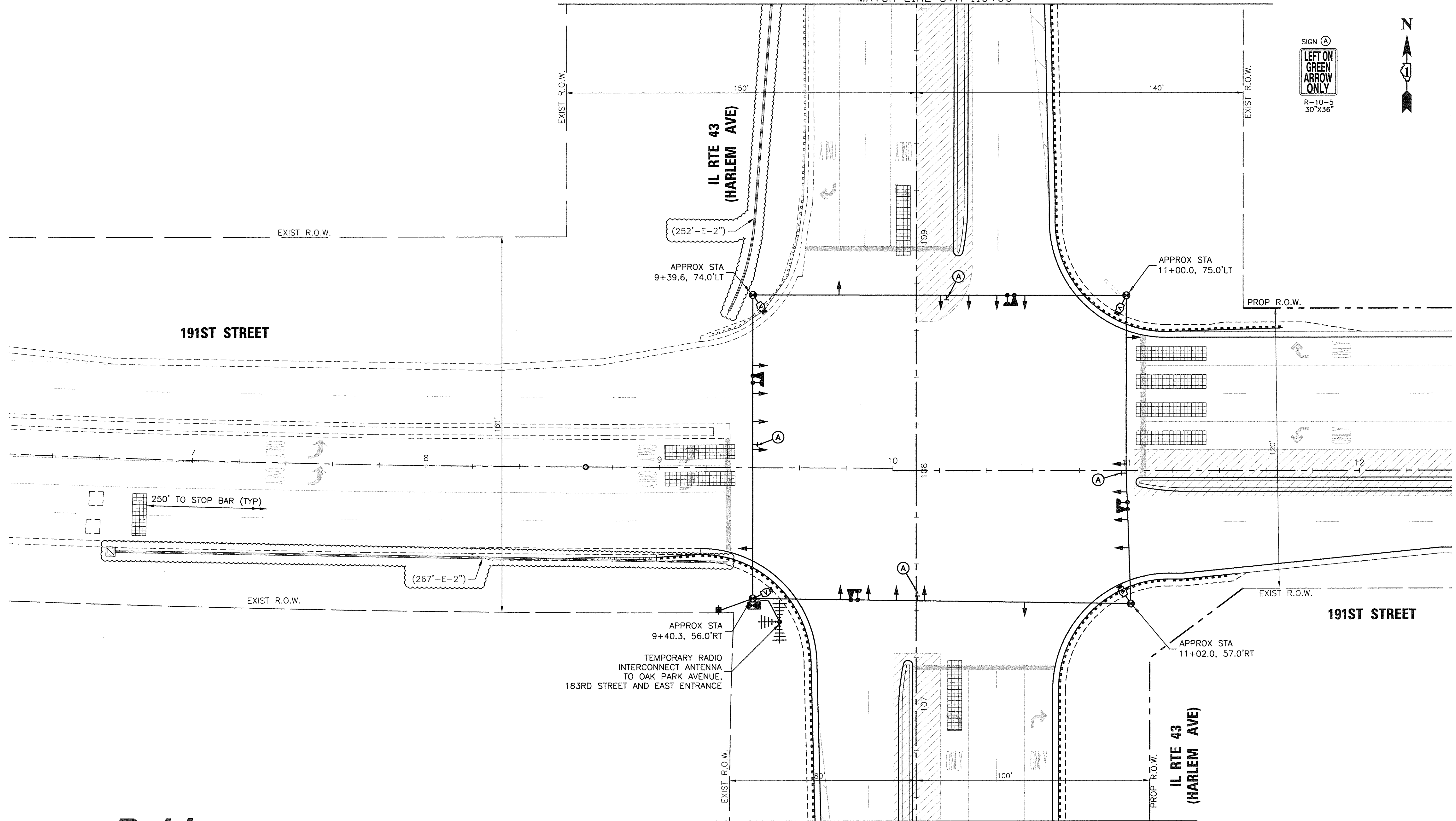
**TEMPORARY TRAFFIC SIGNAL INSTALLATION - STAGE I  
IL ROUTE 43 (HARLEM AVENUE) AT 191ST STREET**

SCALE: 1"=20' SHEET 55 OF 108 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3754	01-00098-00-RS	COOK	108	55
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A03	

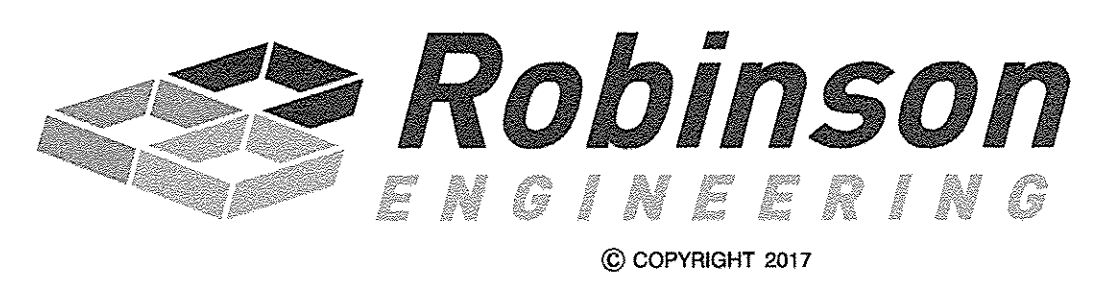
SEE TS SHT NO. 14  
MATCH LINE STA 110+00

SIGN (A)  
LEFT ON GREEN  
ARROW ONLY  
R-10-5  
30"X36"



MATCH LINE STA 106+50  
SEE TS SHT NO. 14

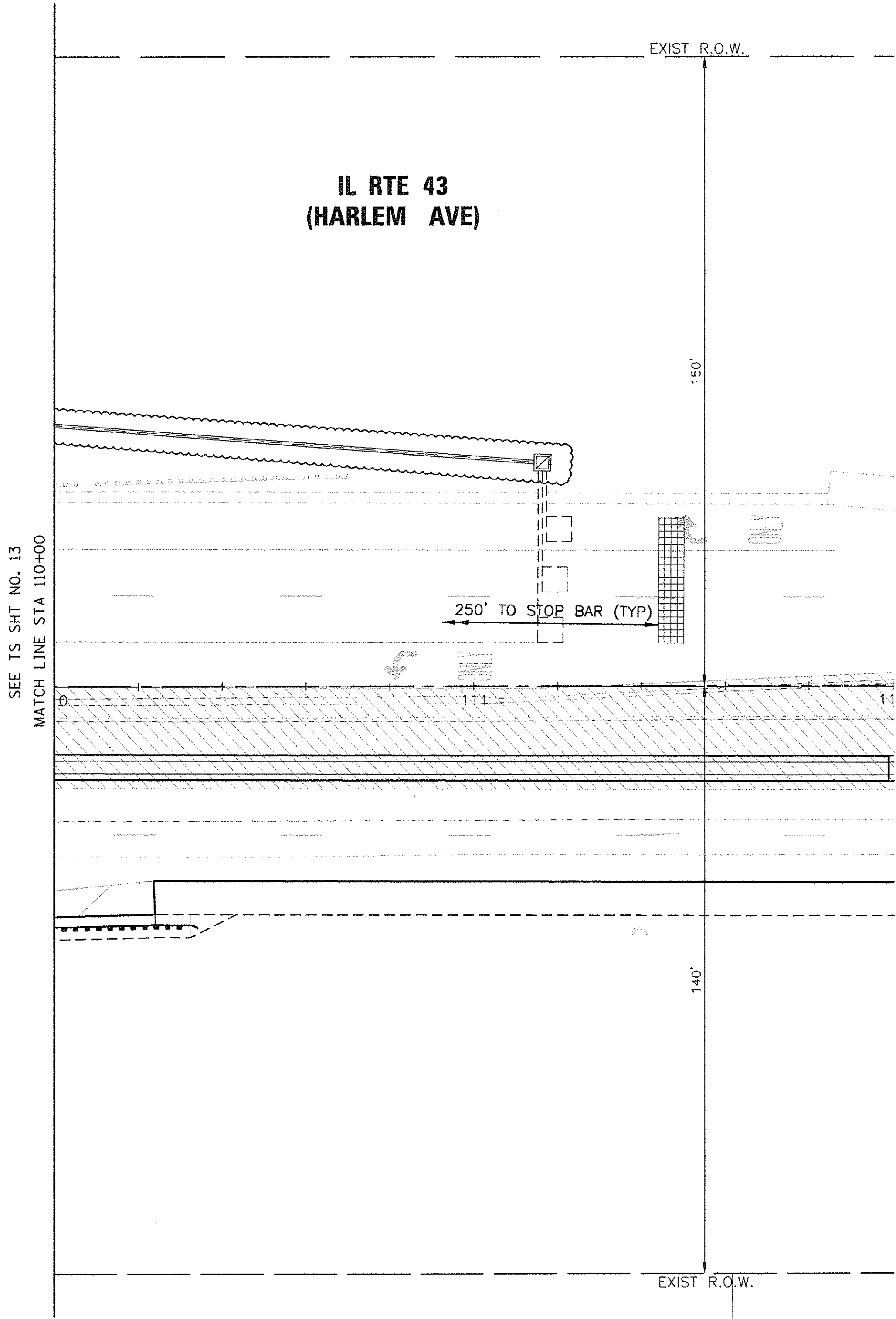
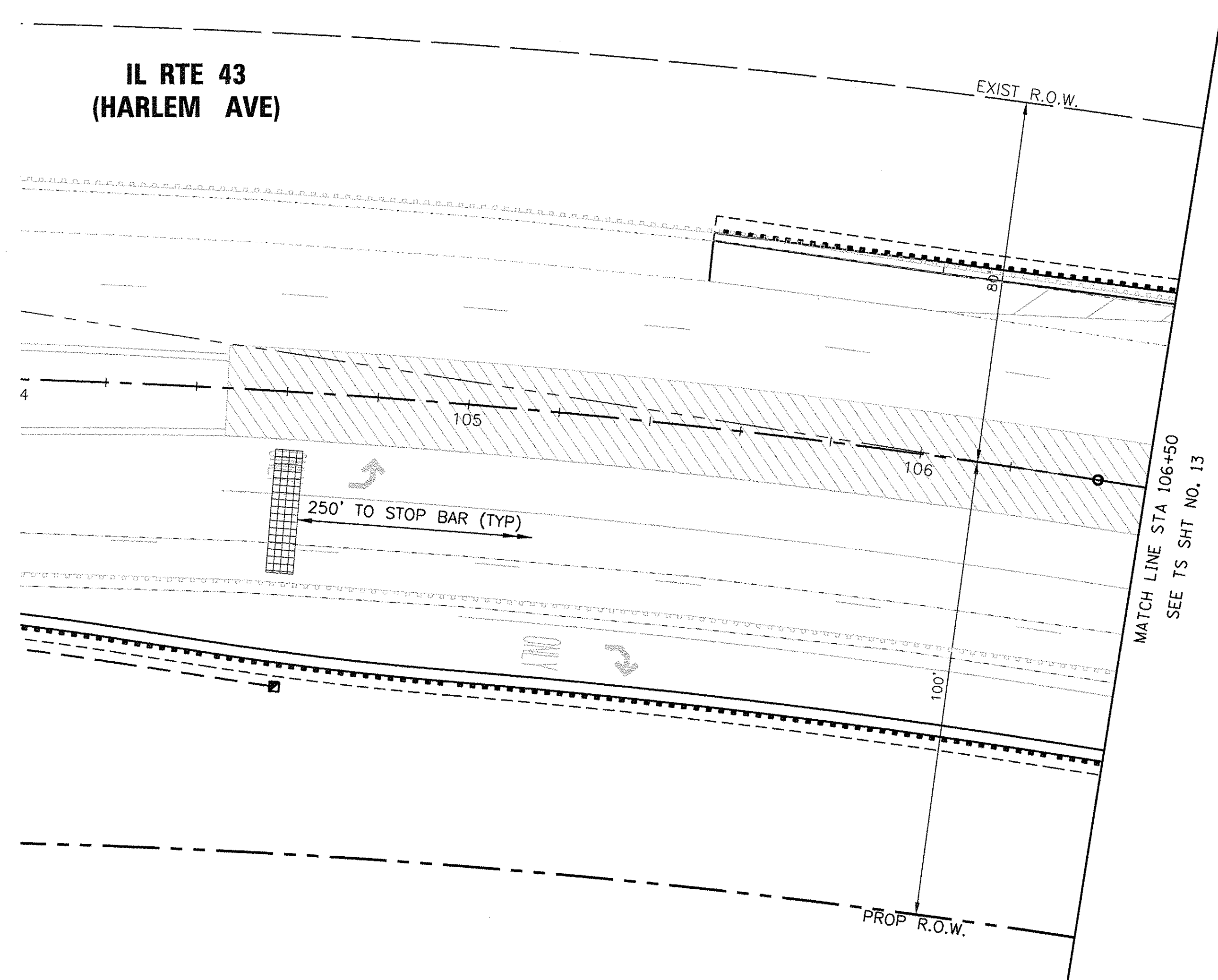
TS SHT NO. 13



TS 22263  
ECON 171

FILE NAME = 04252-SGNL-028.dgn \$FILEL\$ Default	USER NAME =	DESIGNED - WPD	REVISED - 4-14-17	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION - STAGE II IL ROUTE 43 (HARLEM AVENUE) AT 191ST STREET	F.A.U. RTE. = 3754	SECTION = 01-00098-00-RS	COUNTY = COOK	TOTAL SHEETS = 108	SHEET NO. = 56
	PLOT SCALE = 1"=20'	CHECKED - WPD	REVISED -			SCALE: 1"=20'	SHEET 56 OF 108 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
	PLOT DATE = 3-30-17	DATE = 12-05-16	REVISED -			CONTRACT NO. 61A03				





TS SHT NO. 14



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**TS 22263  
ECON 171**

FILE NAME = 04252-SGNL-02B.dgn	USER NAME =	DESIGNED - WPD	REVISED - 4-14-2017
\$FILEL\$		DRAWN - PS	REVISED -
Default	PLOT SCALE = 1"=20'	CHECKED - WPD	REVISED -
	PLOT DATE = 3-30-17	DATE - 12-05-16	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION - STAGE II  
IL ROUTE 43 (HARLEM AVENUE) AT 191ST STREET**

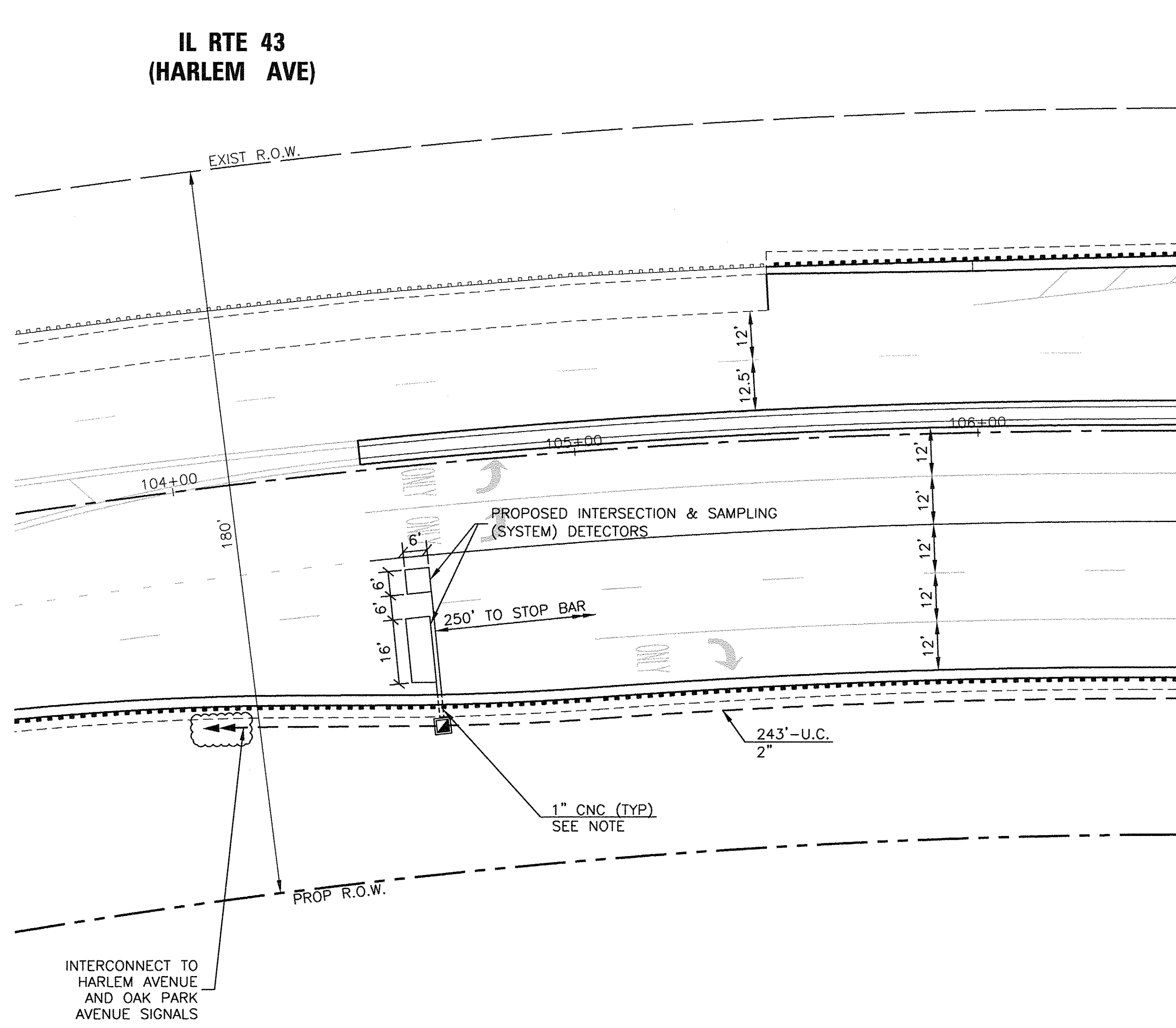
SCALE: 1"=20'    SHEET 57 OF 108 SHEETS    STA.    TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3754	01-00098-00-RS	COOK	108	57
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A03	



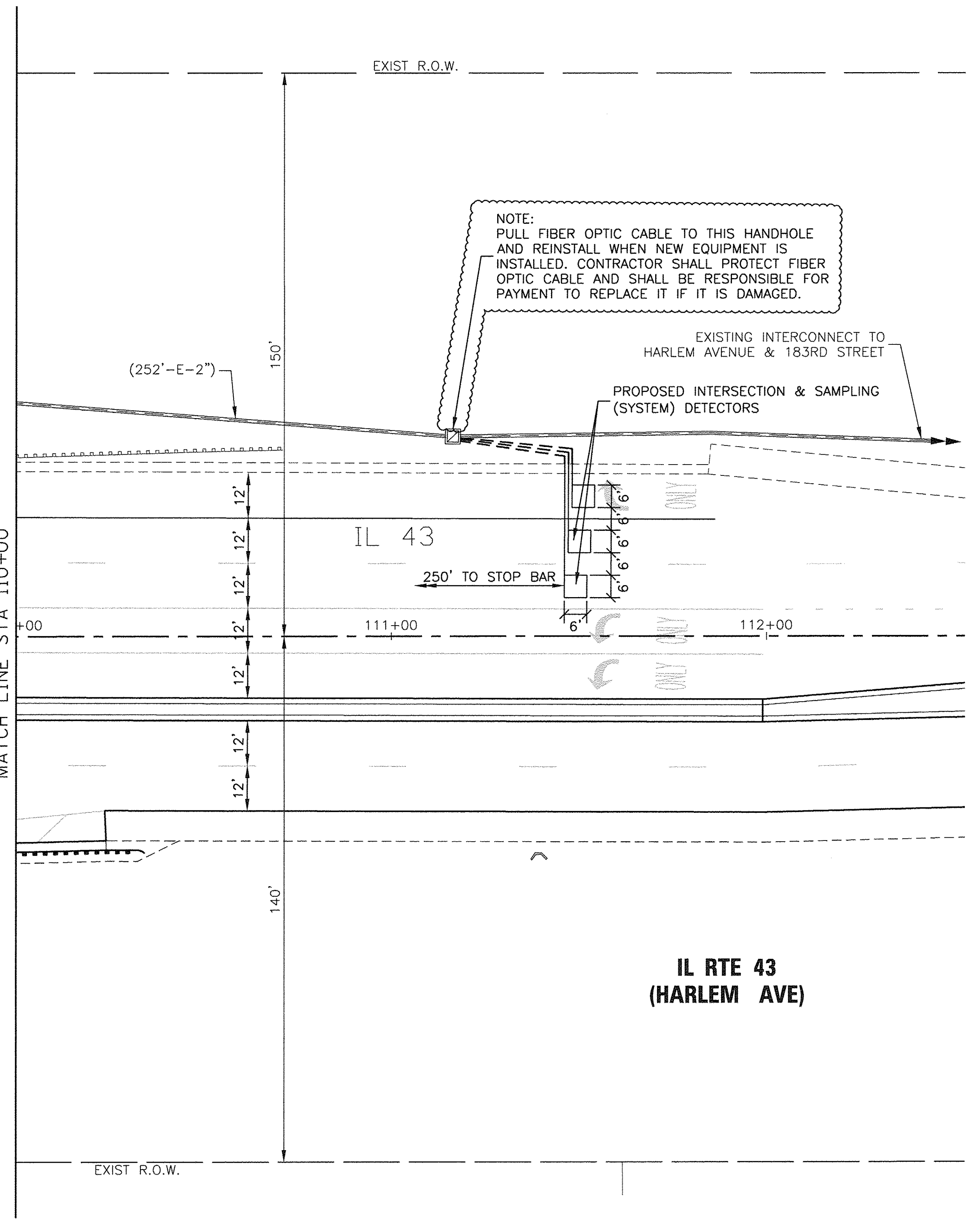


**IL RTE 43  
(HARLEM AVE)**



MATCH LINE STA 106+50  
SEE TS SHT NO. 16

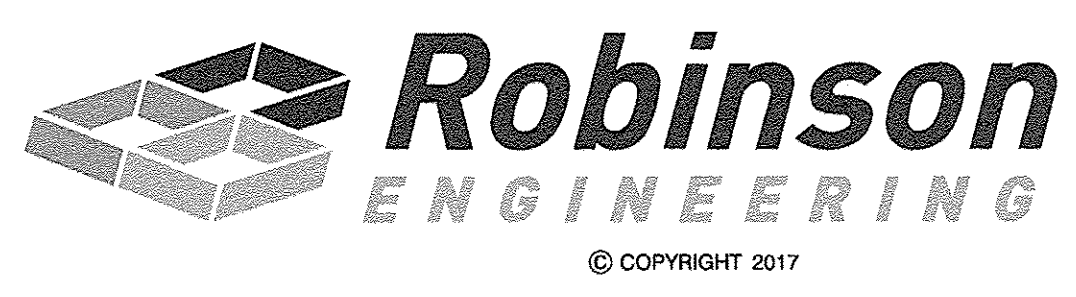
SEE TS SHT NO. 16  
MATCH LINE STA 110+00



**IL RTE 43  
(HARLEM AVE)**

NOTE:  
EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE STANDARDS SPECIFICATIONS.

TS SHT NO. 18



FILE NAME = 04252-SGNL-01.dgn	USER NAME =	DESIGNED - WPD	REVISED - A 4-14-2017
\$FILEL\$		DRAWN - PS	REVISED -
Default	PLOT SCALE = 1"=20'	CHECKED - WPD	REVISED -
	PLOT DATE = 3-30-17	DATE - 12-05-16	REVISED -

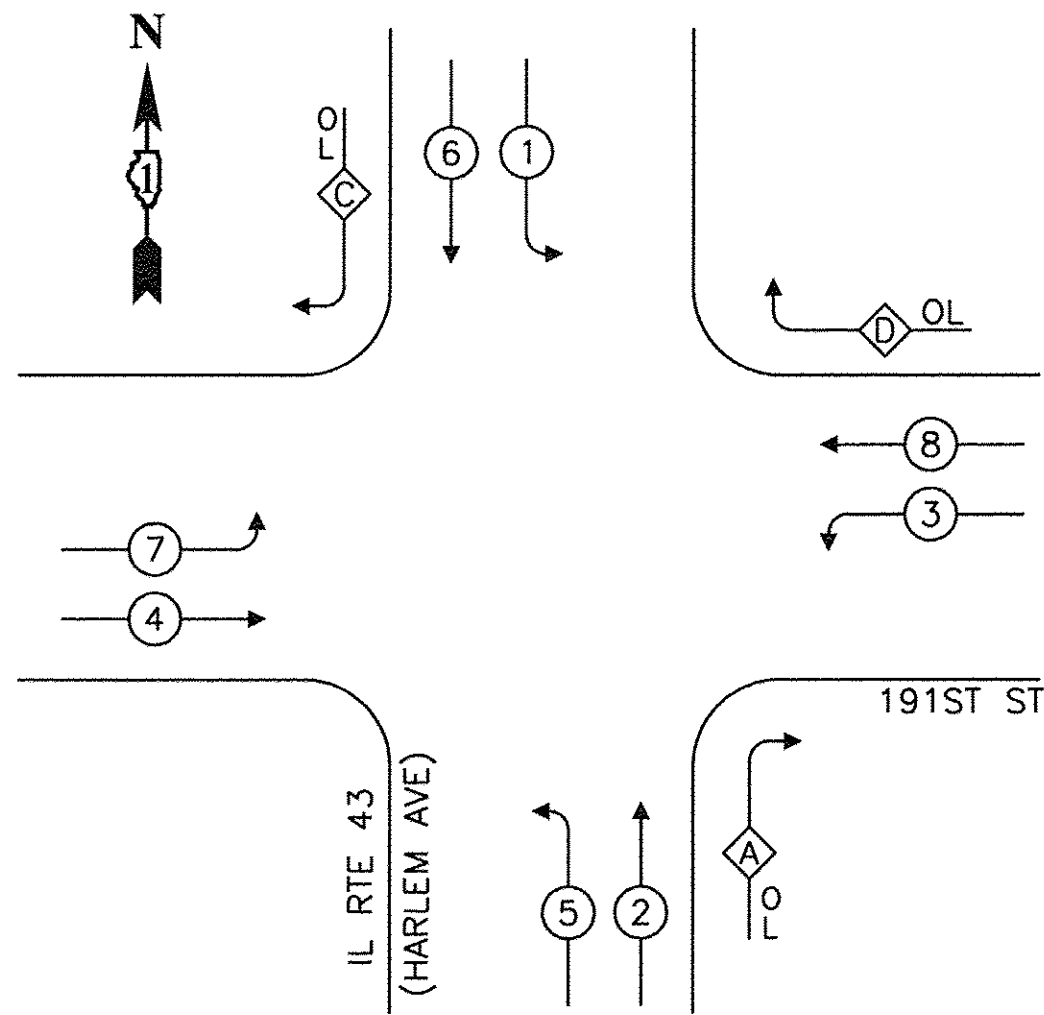
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNAL INSTALLATION PLAN (SHEET 3 OF 3)  
IL ROUTE 43 (HARLEM AVENUE) AT 191ST STREET

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3754	01-00098-00-RS	COOK	108	61
CONTRACT NO. 61A03				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TS 22263  
ECON 171

**PROPOSED CONTROLLER SEQUENCE**



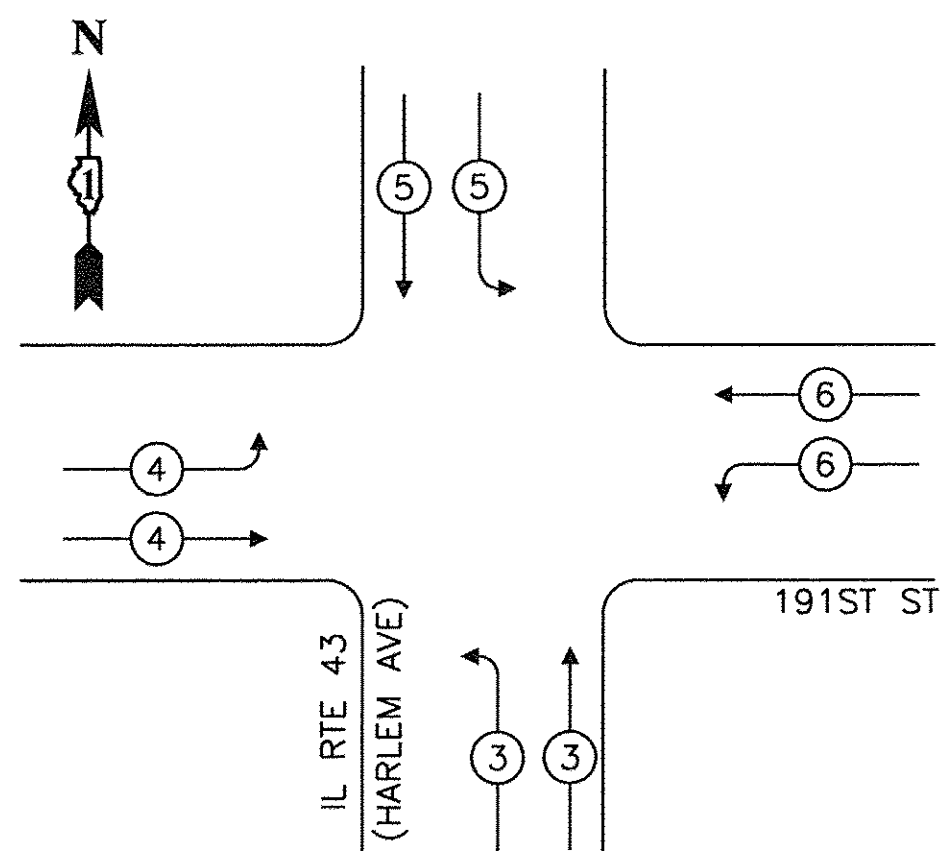
**LEGEND**

- ← ⊙ → PROTECTED PHASE
- ← ⊙ ⊖ → PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ⊙ OL OVERLAP

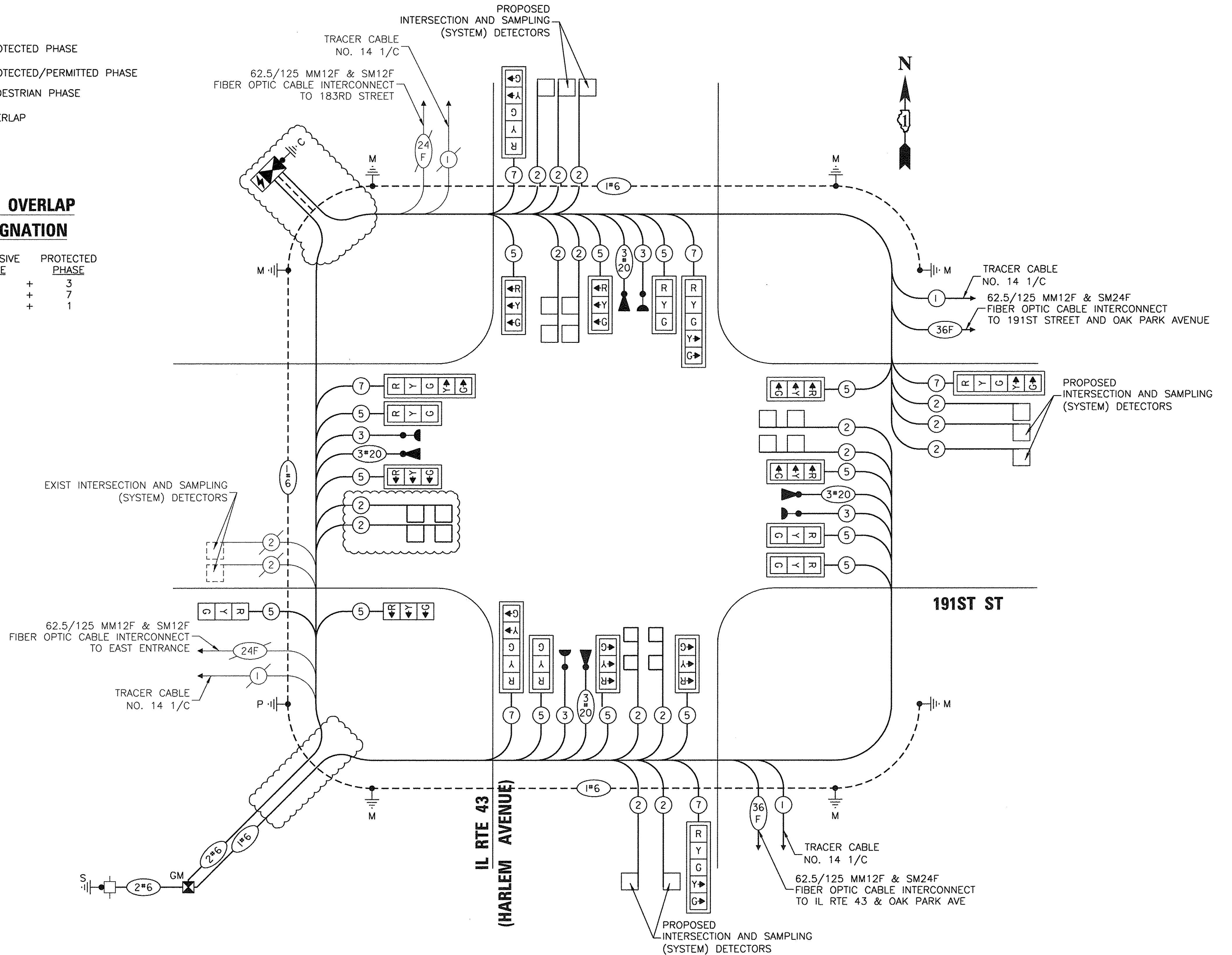
**RIGHT TURN OVERLAP PHASE DESIGNATION**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
C	= 6	+ 7
D	= 8	+ 1

**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**PROPOSED CABLE PLAN**



**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	17	0.50	170
(YELLOW)	20	25	0.25	125
(GREEN)	20	15	0.25	75
PERMISSIVE ARROW	12	12	0.10	14.4
PED. SIGNAL	-	25	1.00	-
CONTROLLER	1	100	1.00	100
UPS	1	25	1.00	25
VIDEO SYSTEM	-	-	-	-
BLANK-OUT SIGN	-	-	-	-
FLASHER	-	-	-	-
STREET NAME SIGN	-	-	-	-
LUMINAIRE	-	-	-	-
<b>TOTAL =</b>				<b>509.4</b>

**ENERGY COSTS TO:**

VILLAGE OF TINLEY PARK  
16250 S. OAK PARK AVENUE  
TINLEY PARK, IL 60477

ENERGY SUPPLY: CONTACT: KATHRYN SUGRUE  
PHONE: (708) 235-2337  
COMPANY: COMED  
ACCOUNT NUMBER 26070-93052

TS SHT NO. 19

FILE NAME = 04252-CBLE-PLAN-01.dgn	USER NAME =	DESIGNED - WPD	REVISED - 4-14-2017
#FILEL#		DRAWN - PS	REVISED -
Default		CHECKED - WPD	REVISED -
		DATE - 12-05-16	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED CABLE PLAN, CONTROLLER SEQUENCE  
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
IL ROUTE 43 (HARLEM AVENUE) AT 191ST STREET**

SCALE: NONE SHEET 62 OF 108 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3754	01-00098-00-RS	COOK	108	62
CONTRACT NO. 61A03			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

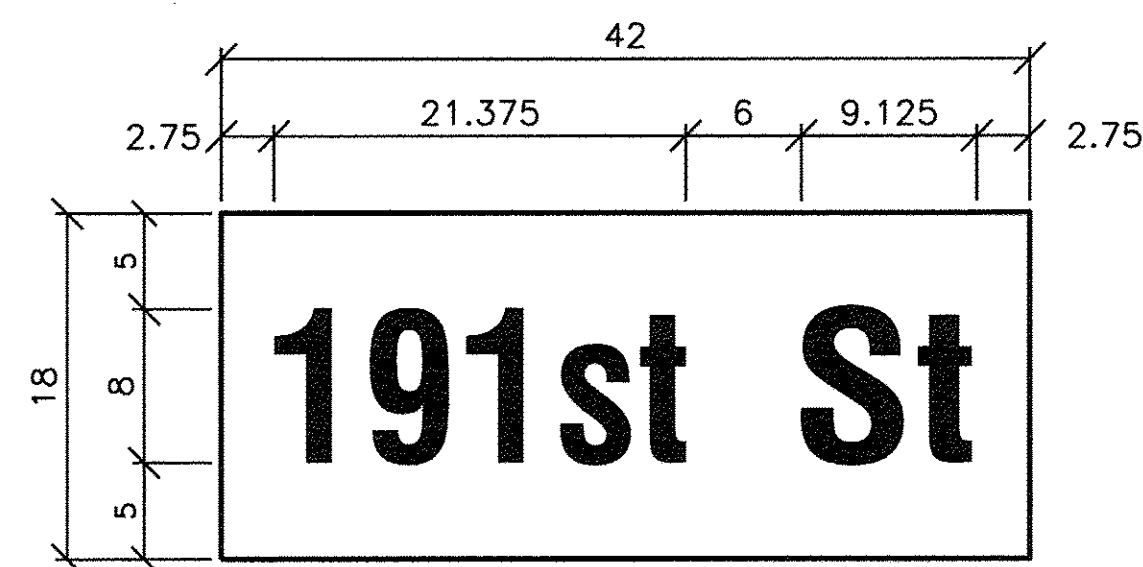
**TS 22263  
ECON 171**

**SIGN PANEL – TYPE 2**

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	13.75	2	ZZ	2

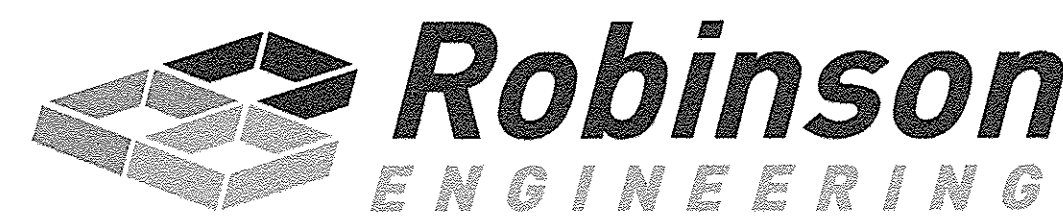


DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	5.25	1	ZZ	2

NOTE:  
FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION  
SEE DISTRICT 1 MAST ARM MOUNTED STREET NAME  
SIGNS DETAIL,  
AND ILLUMINATED STREET NAME SIGN MOUNTING DETAIL.

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY
SIGN PANEL – TYPE 1	SQ FT	71
SIGN PANEL – TYPE 2	SQ FT	28
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	765
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	225
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	528
HANDHOLE	EACH	5
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,110
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3,815
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,440
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	5,300
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2C	FOOT	165
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	730
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	4
CONCRETE FOUNDATION, TYPE A	FOOT	4
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	34
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	12
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	18
INDUCTIVE LOOP DETECTOR	EACH	18
DETECTOR LOOP, TYPE I	FOOT	920
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	7
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1,110
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1



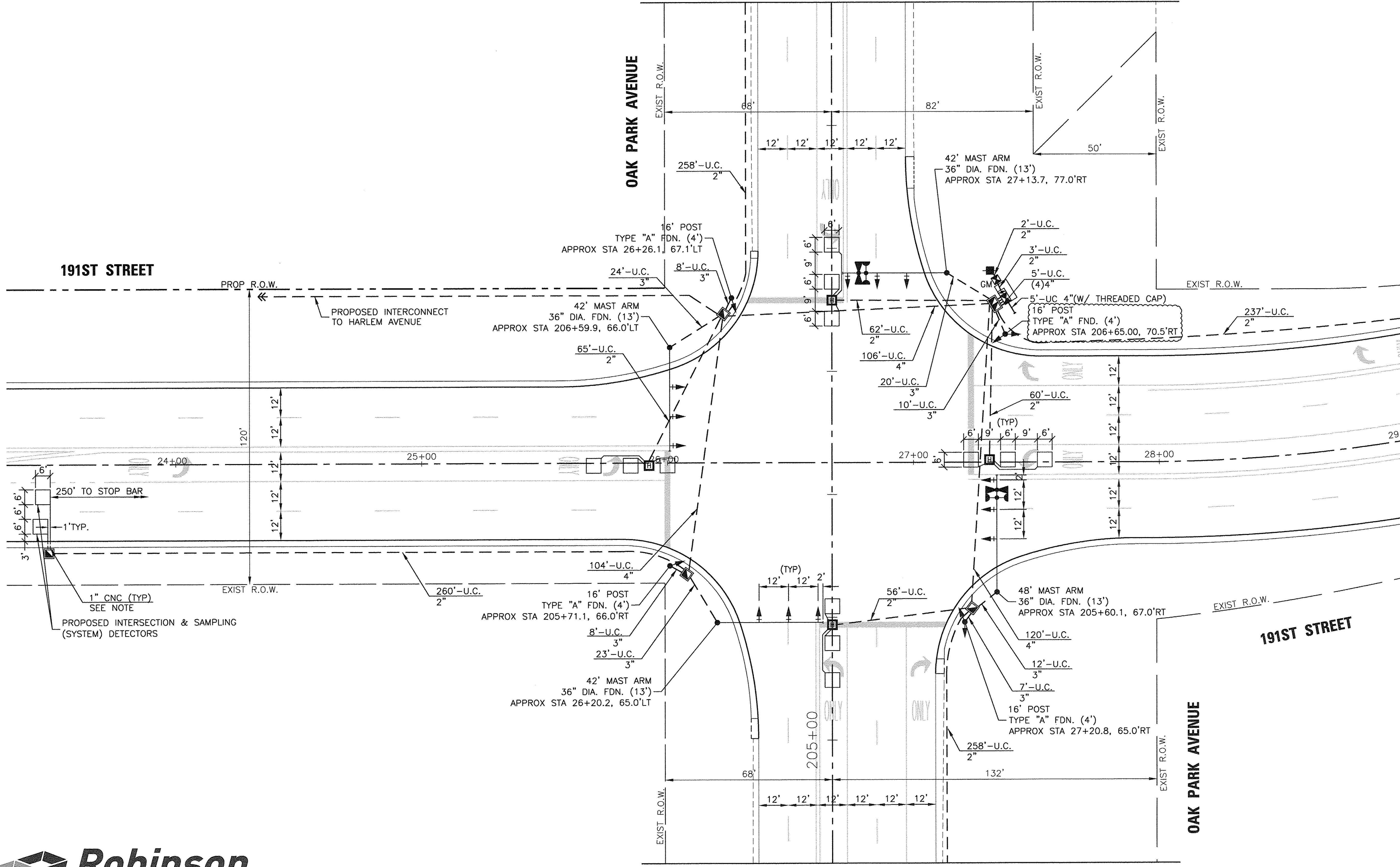
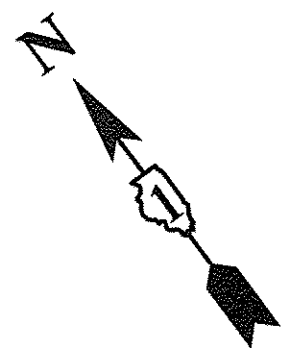
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TS SHT NO. 20

TS 22263  
ECON 171

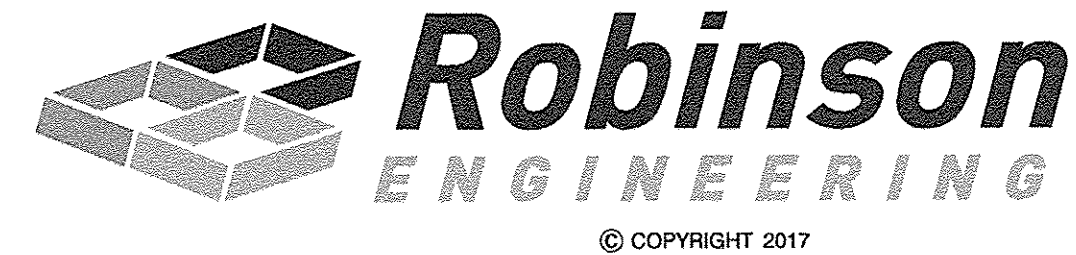
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%FILEL#		DRAWN - PS	REVISED -			3754	01-00098-00-RS	COOK	108	63	
PLOT SCALE = NONE		CHECKED - WPD	REVISED -			CONTRACT NO. 61A03					
Default		PLOT DATE = 3-30-17	DATE - 12-05-16			SCALE: NONE	SHEET 63	OF 108 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1

SEE TS SHT NO. 22  
MATCH LINE STA 208+00



MATCH LINE STA 29+00  
SEE TS SHT NO. 23

MATCH LINE STA 204+50  
SEE TS SHT NO. 22



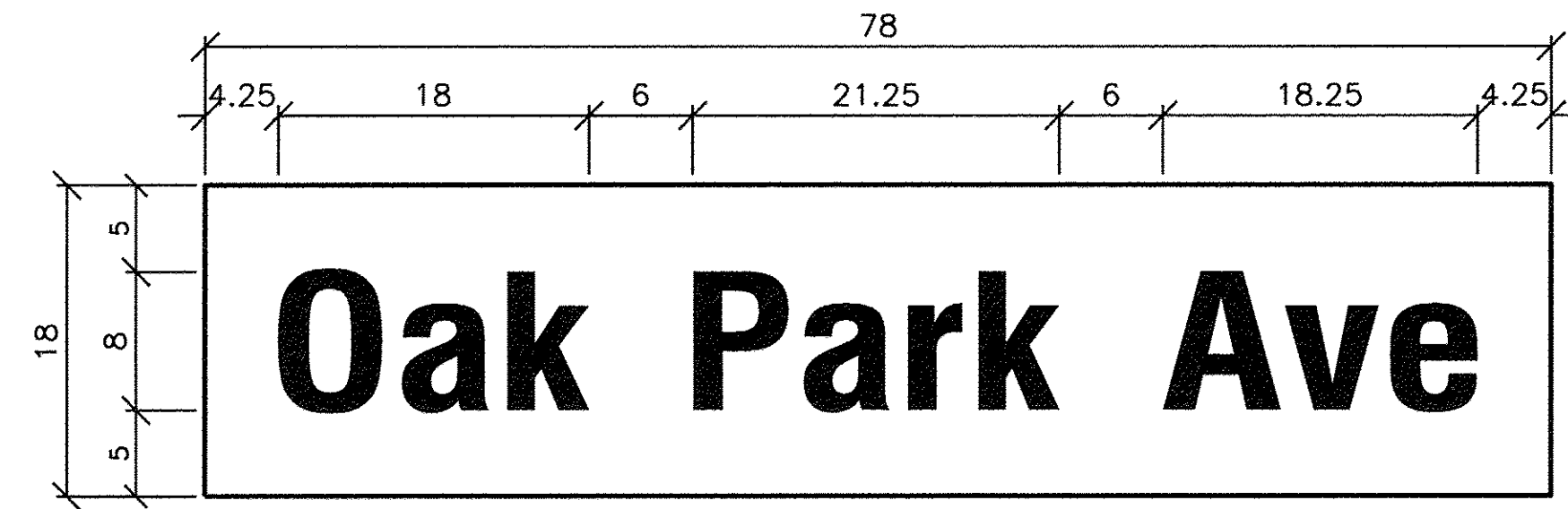
TS SHT NO. 21

TS  
ECON 171

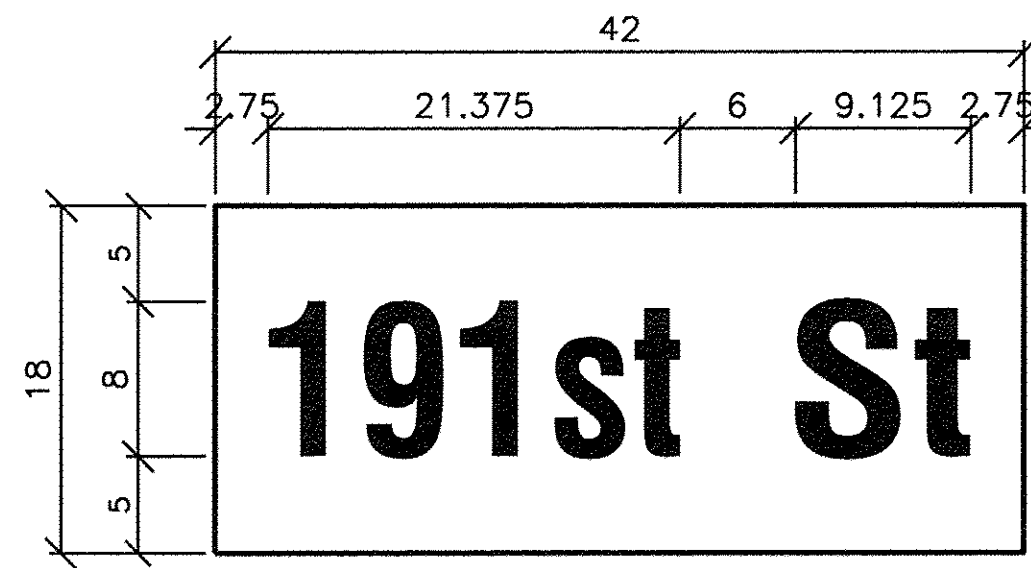
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	PLOT SCALE = 1"=20'	CHECKED - WPD	REVISED -		SCALE: 1"=20'	SHEET 64	OF 108 SHEETS	STA.	TO STA.	3754	01-00098-00-RS	COOK
Default	PLOT DATE = 3-30-17	DATE - 12-05-16	REVISED -					CONTRACT NO. 61A03				
								FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**SIGN PANEL – TYPE 2**

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9.75	2	ZZ	2

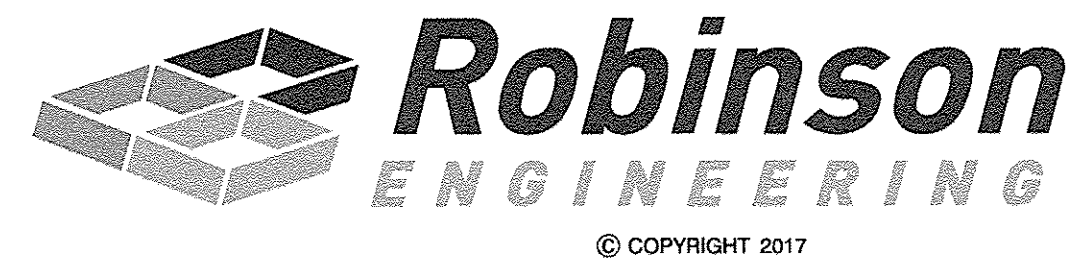


DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	5.25	1	ZZ	2

NOTE:  
FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION SEE DISTRICT 1 MAST ARM MOUNTED STREET NAME SIGNS DETAIL, AND ILLUMINATED STREET NAME SIGN MOUNTING DETAIL.

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY
SIGN PANEL – TYPE 1	SQ FT	11
SIGN PANEL – TYPE 2	SQ FT	20
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,261
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	111
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	355
HANDHOLE	EACH	5
HEAVY-DUTY HANDHOLE	EACH	6
DOUBLE HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	560
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,380
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,160
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3,070
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	40
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	510
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
INDUCTIVE LOOP DETECTOR	EACH	10
DETECTOR LOOP, TYPE I	FOOT	715
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	560
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1



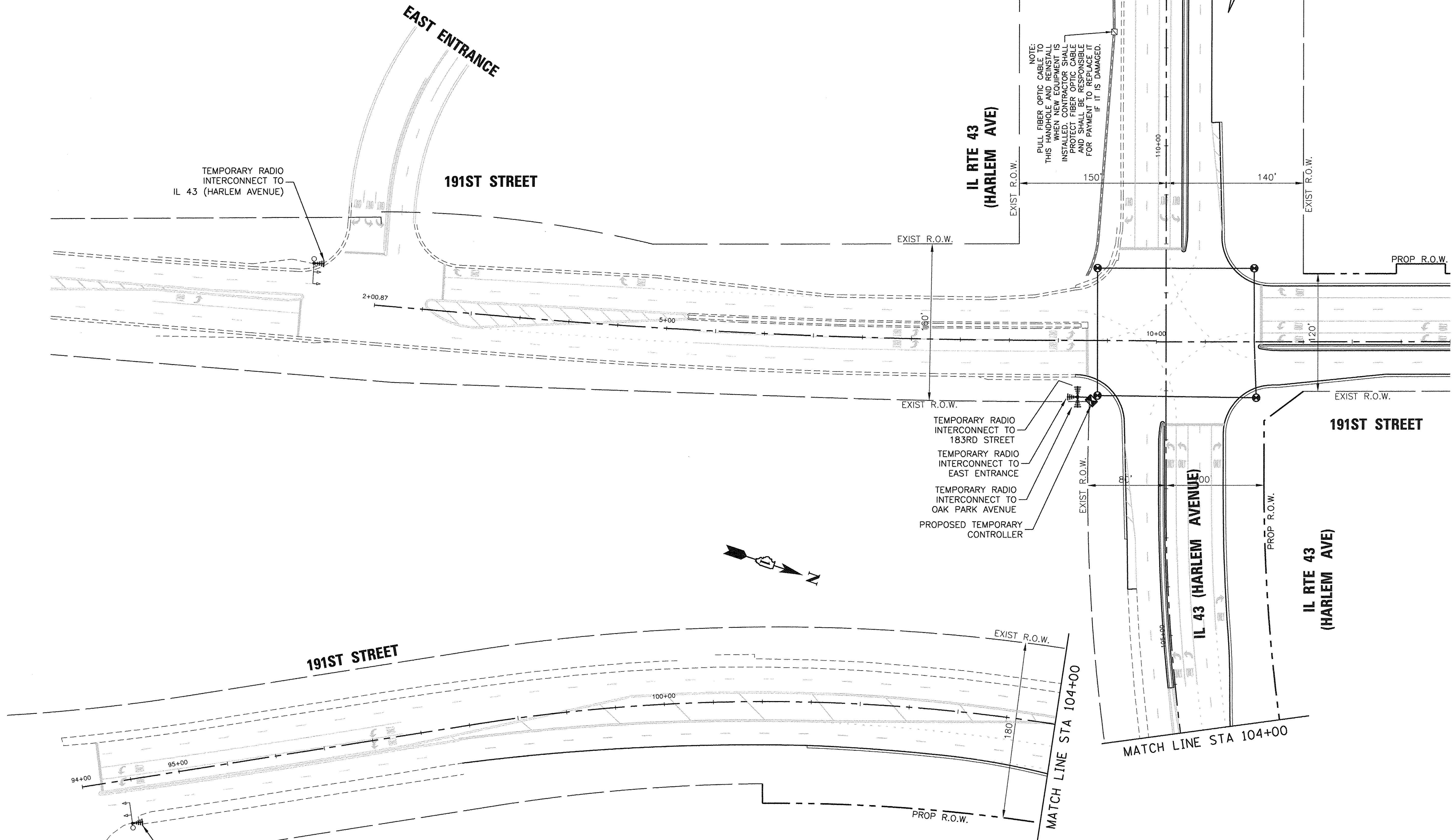
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TS SHT NO. 25

TS  
ECON 171

FILE NAME = 04252-SGNL-DTLS-02.dgn	USER NAME =	DESIGNED - WPD	REVISED - <u>A</u> 4-14-2017	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES IL ROUTE 43 (HARLEM AVENUE) AT 191ST STREET	F.A.U. RTE. 3754	SECTION 01-00098-00-RS	COUNTY COOK	TOTAL SHEETS 108	SHEET NO. 68	
#FILEL*		DRAWN - PS	REVISED -			SCALE: NONE	SHEET 68 OF 108 SHEETS	STA. TO STA.	CONTRACT NO. 61A03		
PLOT SCALE = NONE		CHECKED - WPD	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
Default		PLOT DATE = 3-30-17	DATE - 12-05-16			REVISED -					

TS SHT NO. 26



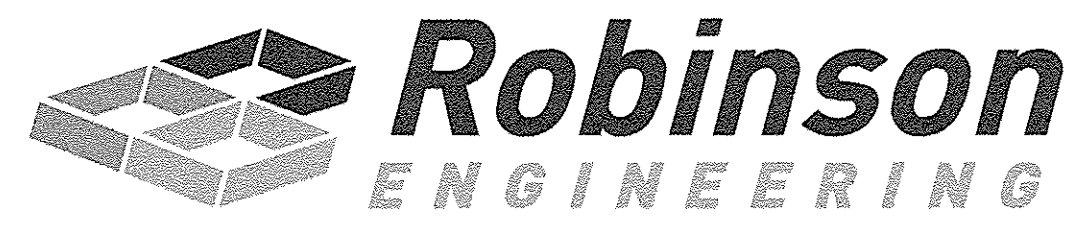
SEE TS SHT NO. 27  
MATCH LINE "A"

NOTE:  
PULL FIBER OPTIC CABLE TO THIS HANDHOLE AND REINSTALL WHEN NEW EQUIPMENT IS INSTALLED. CONTRACTOR SHALL PROTECT FIBER OPTIC CABLE AND SHALL BE RESPONSIBLE FOR PAYMENT TO REPLACE IT IF IT IS DAMAGED.

IL RTE 43  
(HARLEM AVE)  
EXIST R.O.W.

IL RTE 43  
(HARLEM AVE)  
PROP R.O.W.

IL 43 (HARLEM AVENUE)



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY RADIO INTERCONNECT PLAN (SHEET 1 OF 2)  
IL ROUTE 43 (HARLEM AVENUE) AT 191ST STREET

ECON 171

FILE NAME = 04252-SCNL-05.dgn
#FILEL*
Default

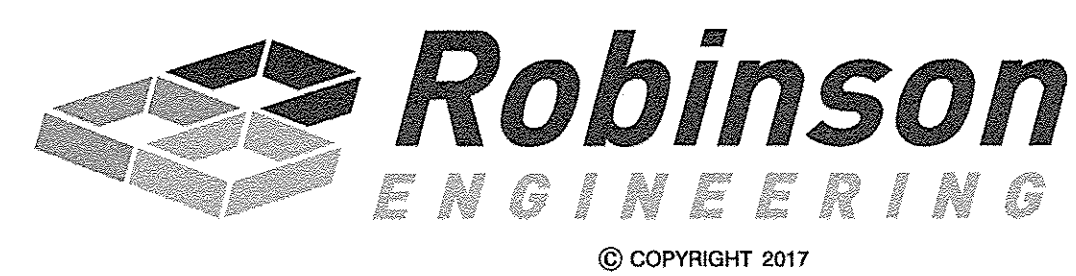
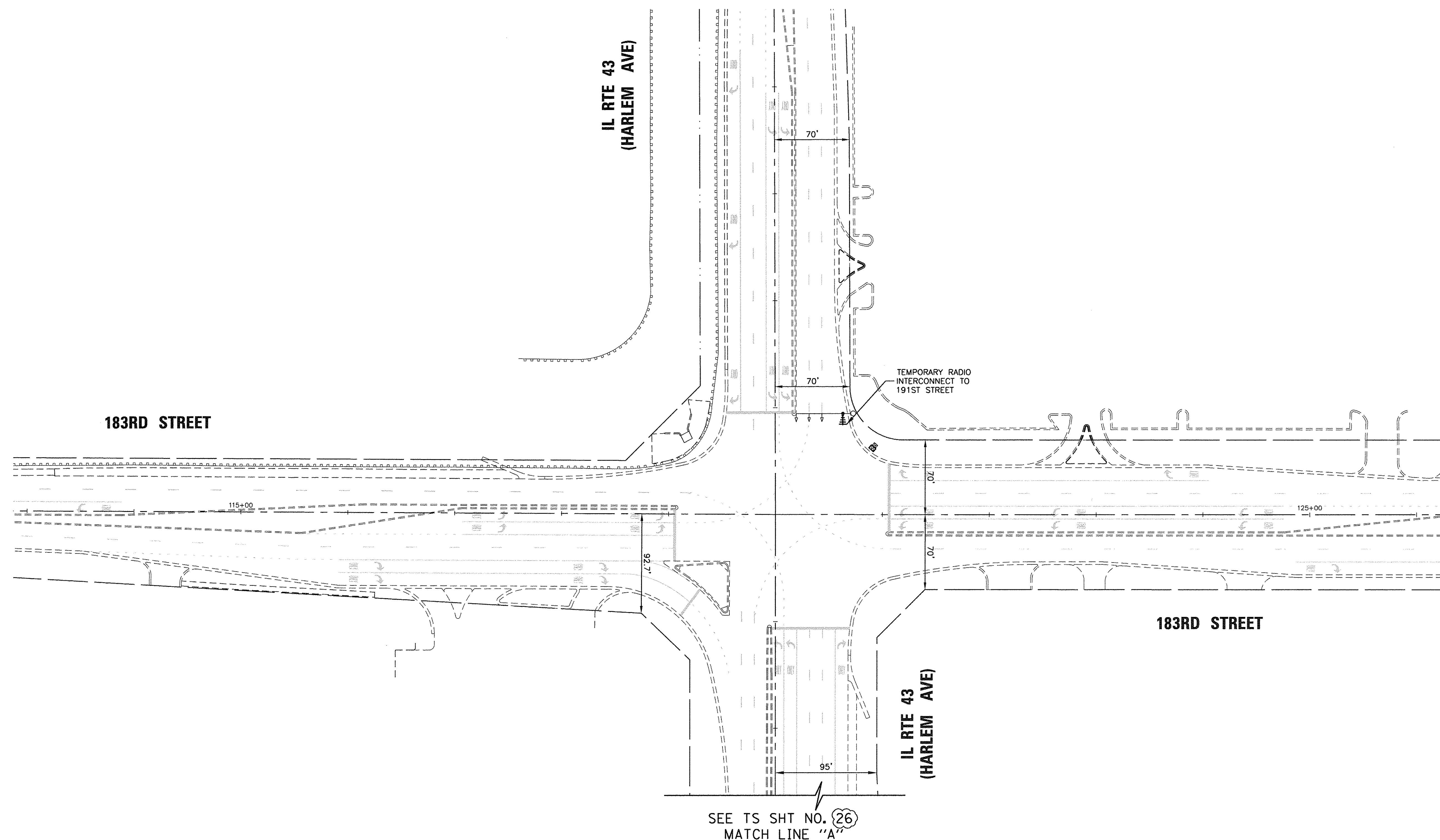
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PLOT SCALE = 1"=50'	CHECKED - WPD	REVISED -
PLOT DATE = 3-30-17	DATE - 12-05-16	REVISED -

SCALE: 1"=50'	SHEET 69 OF 108 SHEETS	STA. TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3754	01-00098-00-RS	COOK	108	69
CONTRACT NO. 61A03				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
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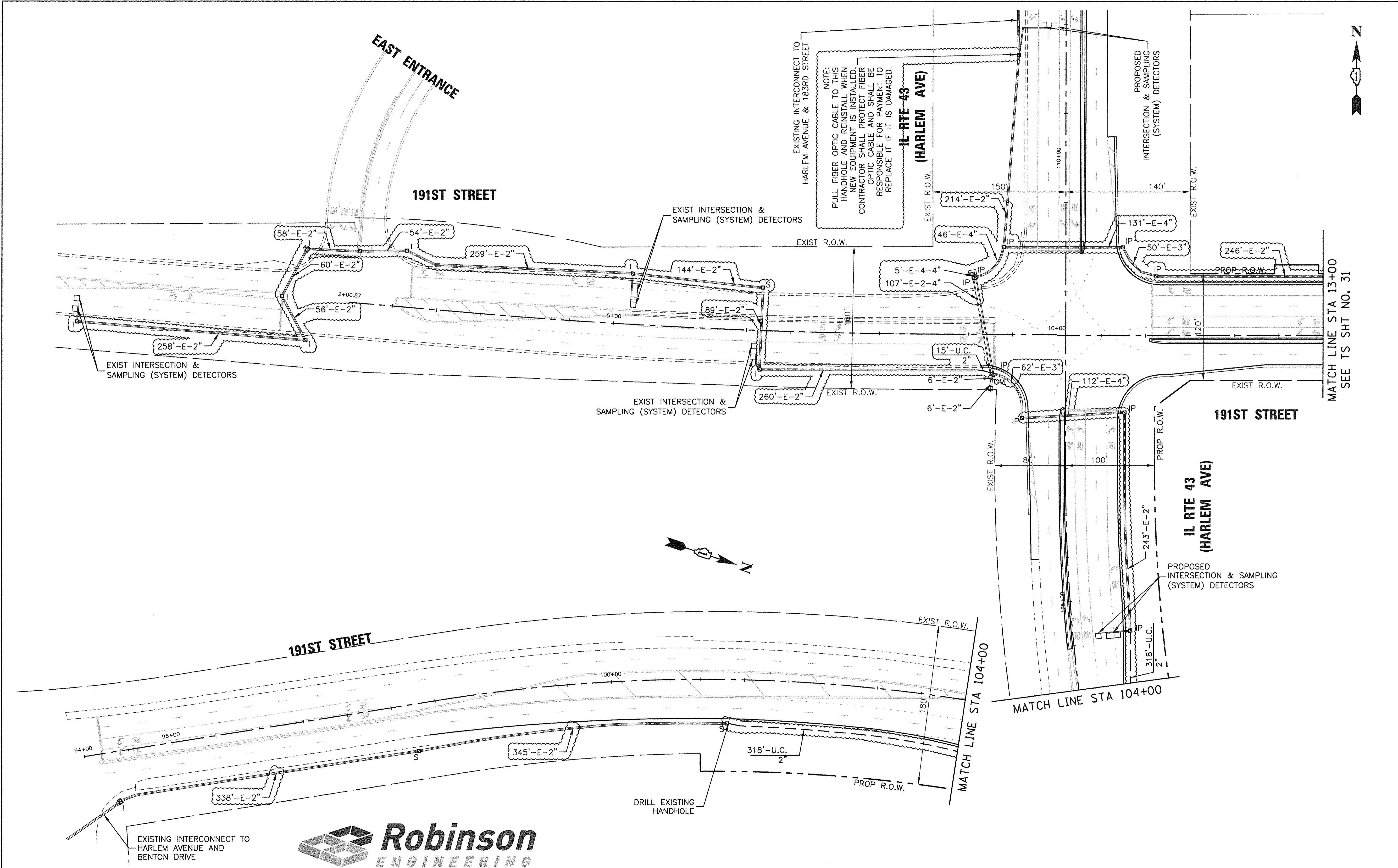
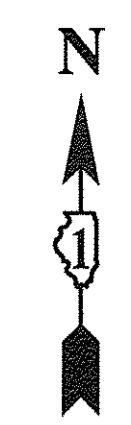




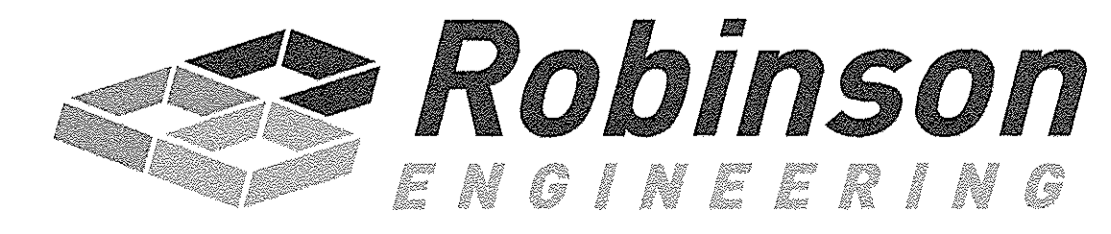
TS SHT NO. 27

ECON 171

FILE NAME = 04252-SGNL-05.dgn #FILEL#	USER NAME =	DESIGNED - WPD	REVISED - A 4-14-2017	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY RADIO INTERCONNECT PLAN (SHEET 2 OF 2)		F.A.U. RTE. 3754	SECTION 01-00098-00-RS	COUNTY COOK	TOTAL SHEETS 108	SHEET NO. 70
	PLOT SCALE = 1"=50'	CHECKED - WPD	REVISED -		IL ROUTE 43 (HARLEM AVENUE) AT 191ST STREET	SCALE: 1"=50'	SHEET 70 OF 108 SHEETS	STA. TO STA.	CONTRACT NO. 61A03		
Default	PLOT DATE = 3-30-17	DATE - 12-05-16	REVISED -				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTE:  
 PULL FIBER OPTIC CABLE TO THIS HANDHOLE AND REINSTALL WHEN NEW EQUIPMENT IS INSTALLED. CONTRACTOR SHALL PROTECT FIBER OPTIC CABLE AND SHALL BE RESPONSIBLE FOR PAYMENT TO REPLACE IT IF IT IS DAMAGED.



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TS SHT NO. 29

OAK PARK AVENUE

FILE NAME = 04252-SGNL-03.dgn  
 \$FILEL\$  
 Default

USER NAME =	DESIGNED - WPD	REVISED - 4-14-2017
	DRAWN - PS	REVISED -
PLOT SCALE = 1"=50'	CHECKED - WPD	REVISED -
PLOT DATE = 3-30-17	DATE - 12-05-16	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

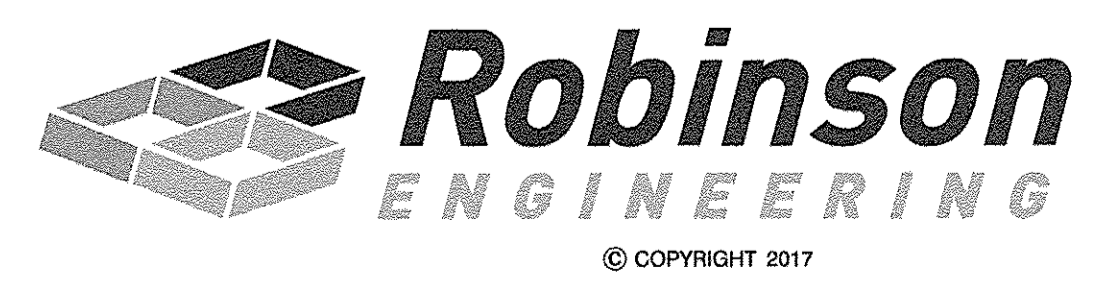
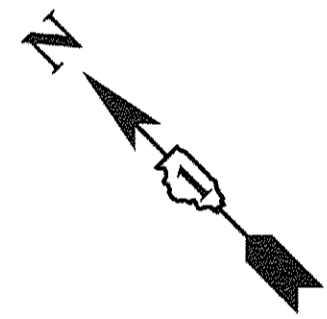
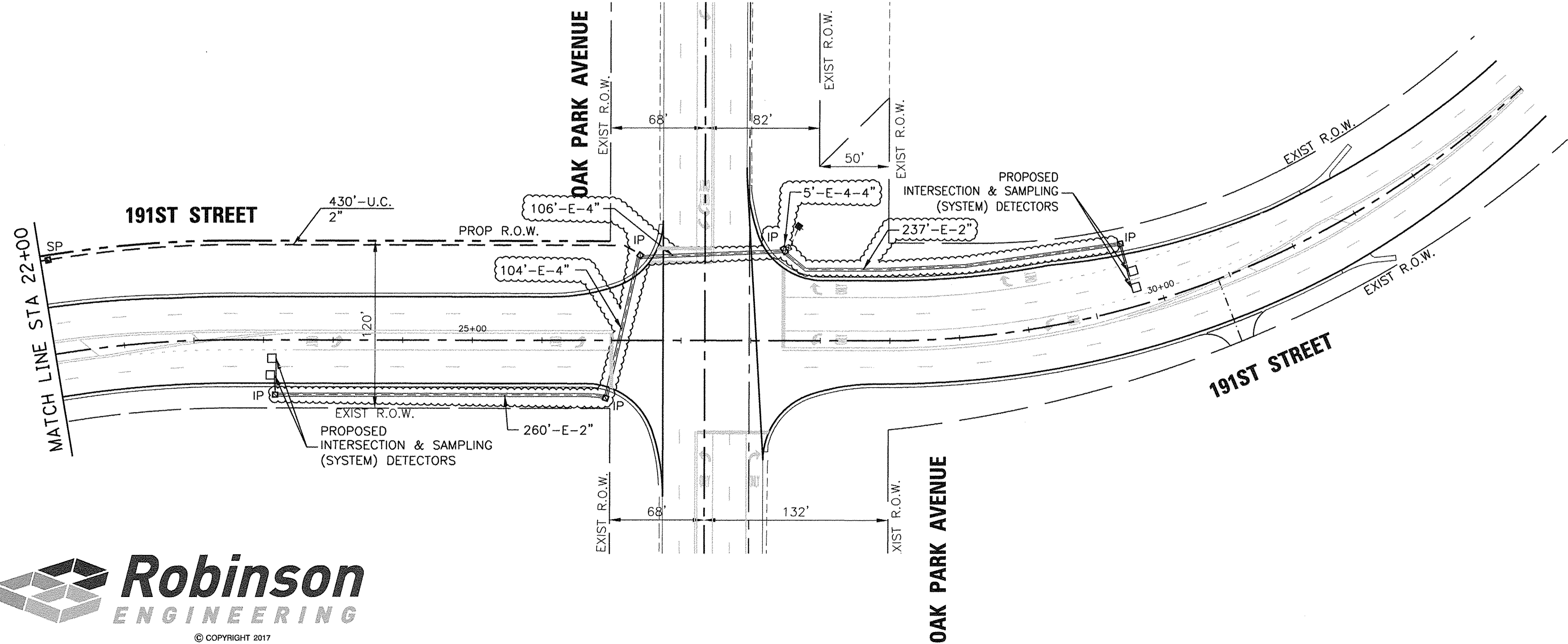
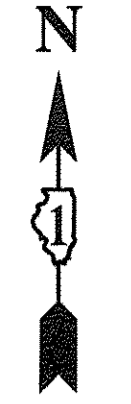
PROPOSED TRAFFIC SIGNAL INTERCONNECT PLAN (SHEET 1 OF 2)  
 IL ROUTE 43 (HARLEM AVENUE) AT 191ST STREET

SCALE: 1"=50' SHEET 72 OF 108 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3754	01-00098-00-RS	COOK	108	72
CONTRACT NO. 61A03				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

ECON 171



TS SHT NO. 30

**ECON 171**

FILE NAME = 04252-SGNL-03.dgn  
 \$FILEL\$  
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USER NAME =  
 PLOT SCALE = 1"=50'  
 PLOT DATE = 3-30-17

DESIGNED - WPD  
 DRAWN - PS  
 CHECKED - WPD  
 DATE - 12-05-16

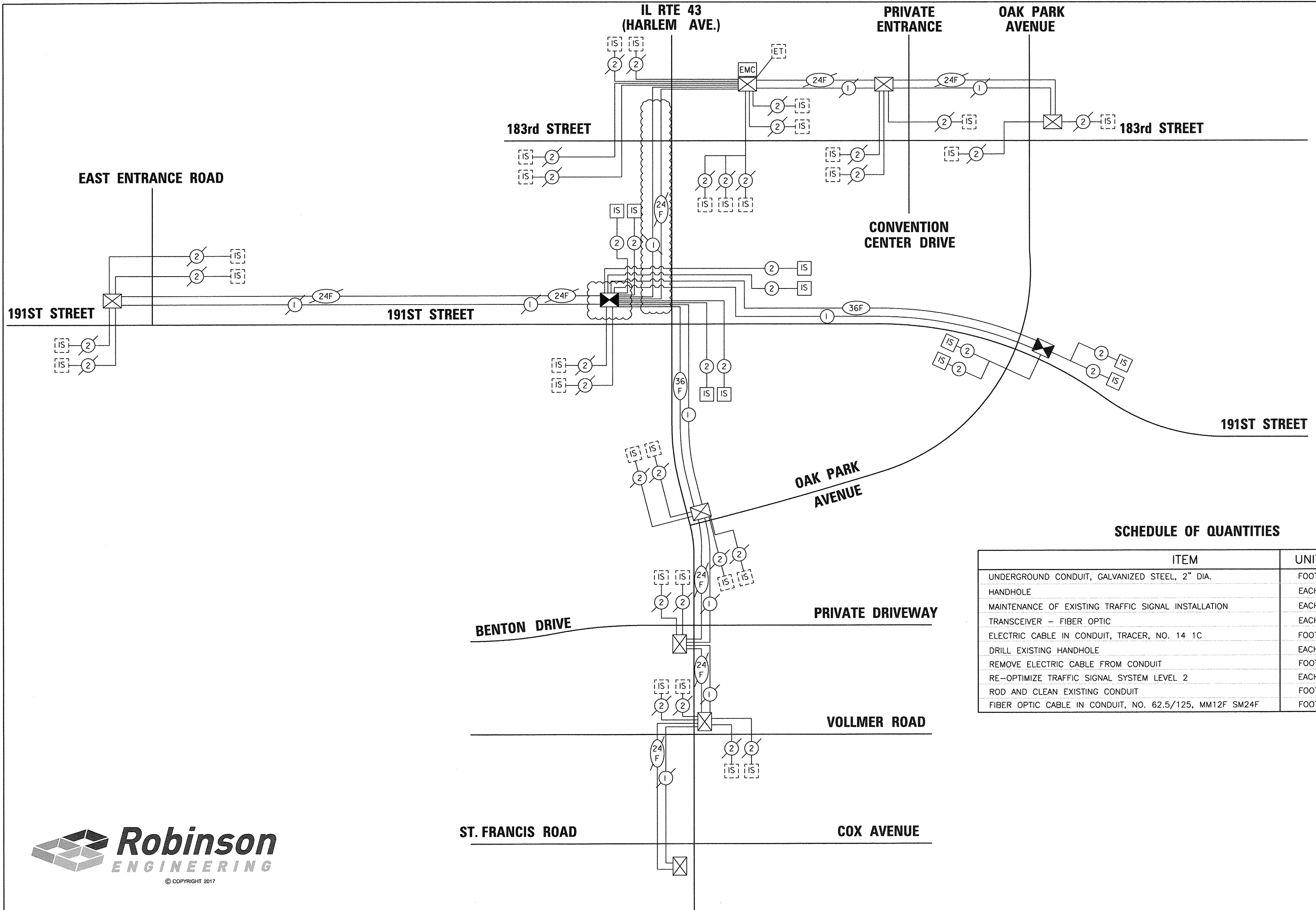
REVISED - 4-14-2017  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNAL INTERCONNECT PLAN (SHEET 2 OF 2)  
 IL ROUTE 43 (HARLEM AVENUE) AT 191ST STREET**

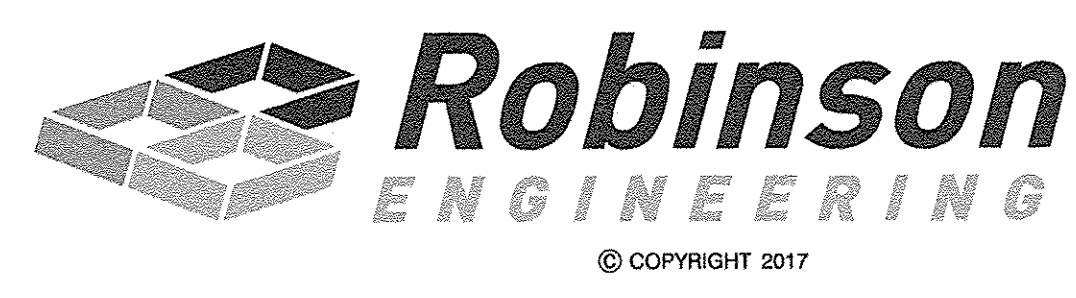
SCALE: 1"=50'    SHEET 73 OF 108 SHEETS    STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3754	01-00098-00-RS	COOK	108	73
				CONTRACT NO. 61A03
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**SCHEDULE OF QUANTITIES**

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,635
HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	2
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	3,955
DRILL EXISTING HANDHOLE	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	520
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	2
ROD AND CLEAN EXISTING CONDUIT	FOOT	520
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	3,955



TS SHT NO. 31

FILE NAME = 04252-SGNL-04.dgn	USER NAME =	DESIGNED - WPD	REVISED - 4-14-2017	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED INTERCONNECT SCHEMATIC IL ROUTE 43 (HARLEM AVENUE) AT 191ST STREET</b>	F.A.U. RTE. 3754	SECTION 01-00098-00-RS	COUNTY COOK	TOTAL SHEETS 108	SHEET NO. 74		
#FILEL\$	DRAWN - PS	CHECKED - WPD	REVISI			SCALE: NONE	SHEET 74 OF 108 SHEETS	STA.	TO STA.	CONTRACT NO. 61A03		
PLOT SCALE = NONE	DATE - 12-05-16	REVISI	REVISI			FED. ROAD DIST. NO. 1			ILLINOIS FED. AID PROJECT			
Default	PLOT DATE = 2-23-17	REVISI	REVISI									

**ECON 171**