08-01-14 LETTING ITEM 071

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PAVEMENT EDGE

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873001-02

880006-01

OFF-ROAD OPERATIONS MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM

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STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

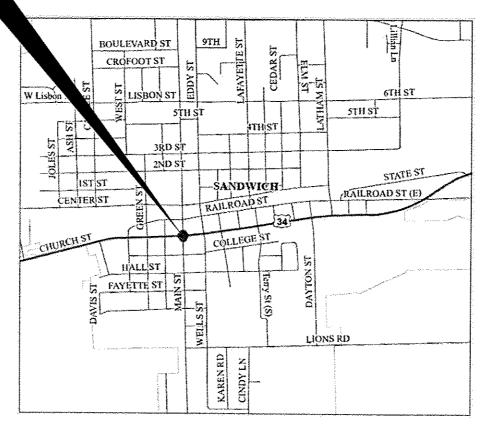
PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 591 (US 34) SECTION (15)TS-1

TRAFFIC SIGNAL HEAD REPLACMENT DEKALB COUNTY

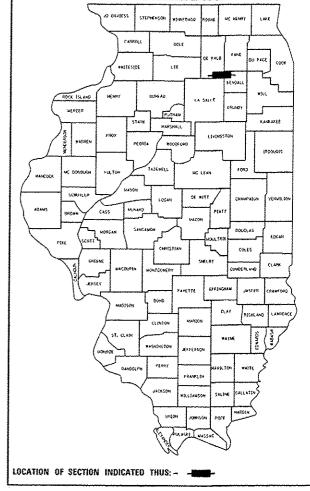
C-93-089-14

INTERSECTION OF US 34 & MAIN STREET

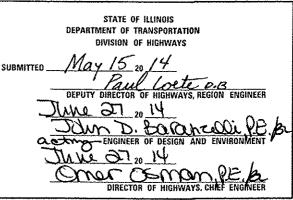


POINT LOCATION

D-93-051-14



BAN	URB	AN		
RTERIAL	MINOR A	MINOR ARTERIAL MAIN STREET		
(US 34)	MAIN S			
2013		2013		
10700	ADT	4100		
93.93%	P.V.	96.10%		
3.50%	S.U.	3.66%		
2.57%	M.U.	0.24%		
	(US 34) 013 10700 93.93% 3.50%	ARTERIAL MINOR A (US 34) MAIN S 013 20 10700 ADT 93.93% P.V. 3.50% S.U.		



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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
1-800-892-8123
OR 811

PROJECT ENGINEER: JOE KANNEL, P.E. UNIT CHIEF: RON WOODSHANK TOWNSHIP: SANDWICH

CONTRACT NO. 66D67

GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK: HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.

THE CONTRACTOR SHALL VEIRFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION (J.U.L.I.E. 800/892-0123), CONTACT IDOT FOR HIGHWAY LIGHTING LOCATE.

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

ALL TRAFFIC SIGNAL HEADS SHALL BE 12-INCH POLYCARBONATE

THE CONTRACTOR SHALL CONTACT THE CITY OF SANDWICH (815-789-9321) A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.

THE DEPARTMENT OF TRANSPORTATION (815-434-8505) SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO THE TURNING ON OF THE CONTROLLER UNIT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING THE NEW ELECTRICAL LOADS FOR THE UNMETERED SERVICES ON THIS IMPROVEMENT TO THE UITLITY COMPANY AND AGENCY RESPONSIBLE FOR ENERGY CHARGES:

ALL MAST ARM SIGNAL HEADS ON AN INDIVIDUAL MAST ARM SHALL BE MOUNTED SO THAT THE "RED" INDICATIONS ARE LEVEL WITH EACH OTHER.

THE ELECTRICAL CONDUCTIORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.

ALL THREADS OF BOLTS USED IN TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.

BACK PLATES SHALL BE POLYCARBONATE WITH A DEEP BACK FLANGE.

THE CONTRACTOR SHALL PROVIDE 3 FEET SLACK CABLE IN EACH TRAFFIC SIGNAL STRUCTURE: MAST ARM, POST, CONTROLLER, THE SLACK, WHICH IS IN ADDITION TO THE VERTICAL LENGTH OF THE CABLE DEFINED IN THE SPECIFICATIONS, SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR

ALL EXISTING HANDHOLES WHICH ARE TO BE RE-USED SHALL BE THOROUGHLY CLEANED OF ANY ACCUMULATION OF SILT, DEBRIS, OR FOREIGN MATTER OF ANY KIND AND HAVE NEW AGGREGATE PLACED IN ACCORDANCE WITH THE SPECIFICATIONS, EXISTING GROUND RODS SHALL BE RE-SET TO PROJECT ONLY TEN (10) INCHES OF ROD ABOVE HANDHOLE BASE OR PROVIDE IF NOT PRESENT. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT CONSIDIERED INCLUDED WITH THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEM.

THE CONTRACTOR SHALL PROVIDE A SELF ADHERED PHASE DIAGRAM ON THE INSIDE OF THE CONTROLLER CABINET DOOR.

SIGNAL HEADS SHALL HAVE BLACK HOUSING AND BLACK POLYCARBONATE BRACKETS.

TRAFFIC SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO INTERSECTION TURN-ON OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE INCLUEDED WITH THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.

ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM THE CONTROLLER TO SIGNAL, SPLICES IN HADNHOLES WILL NOT BE ALLOWED.

ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED; CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.

COMMITMENTS:

PREPARED BY:

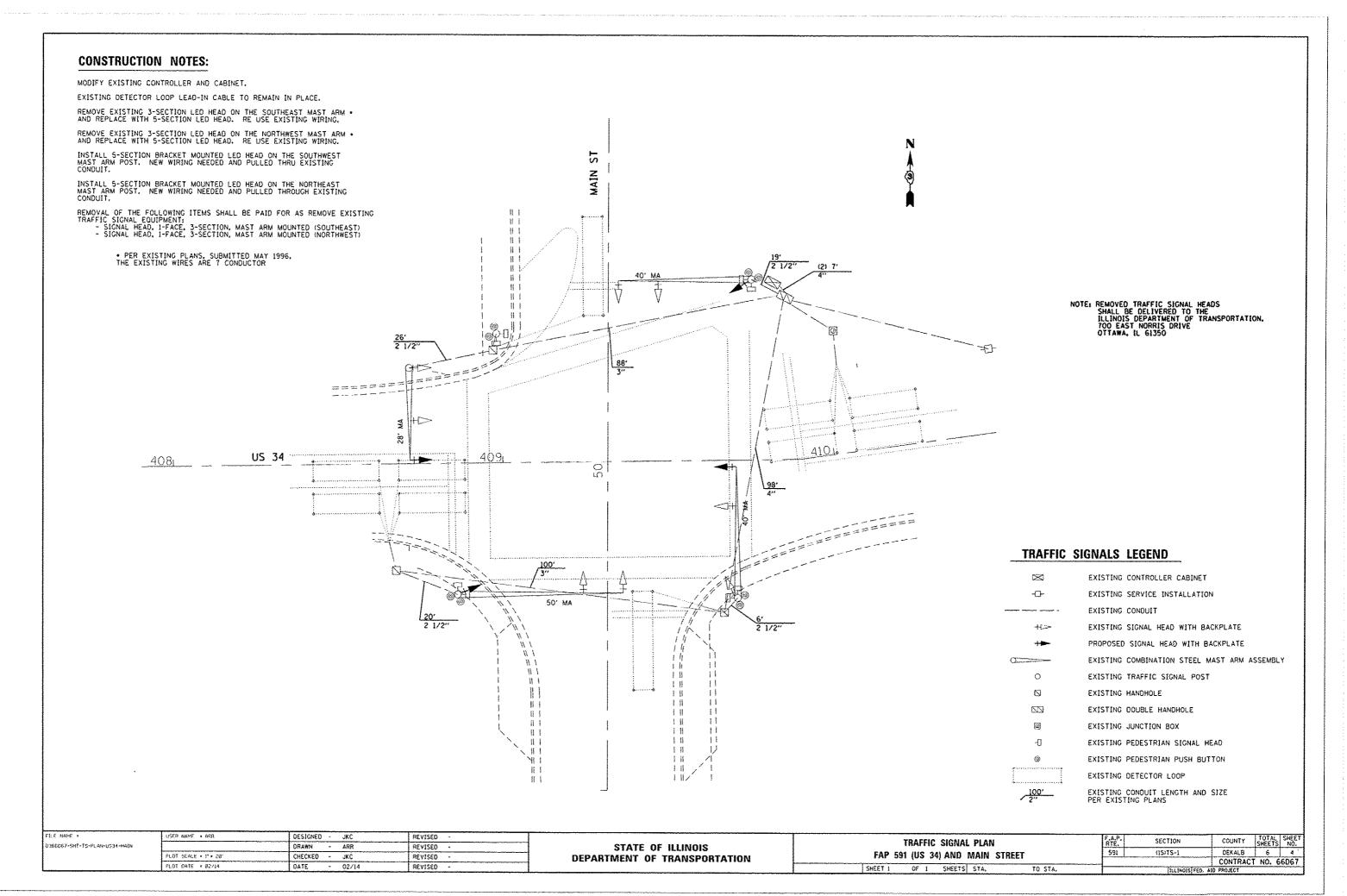
EXAMINED BY:

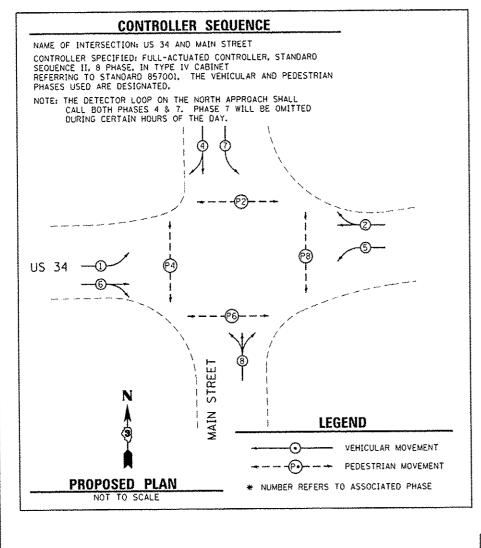
DISTRICT OPERATIONS ENGINEER

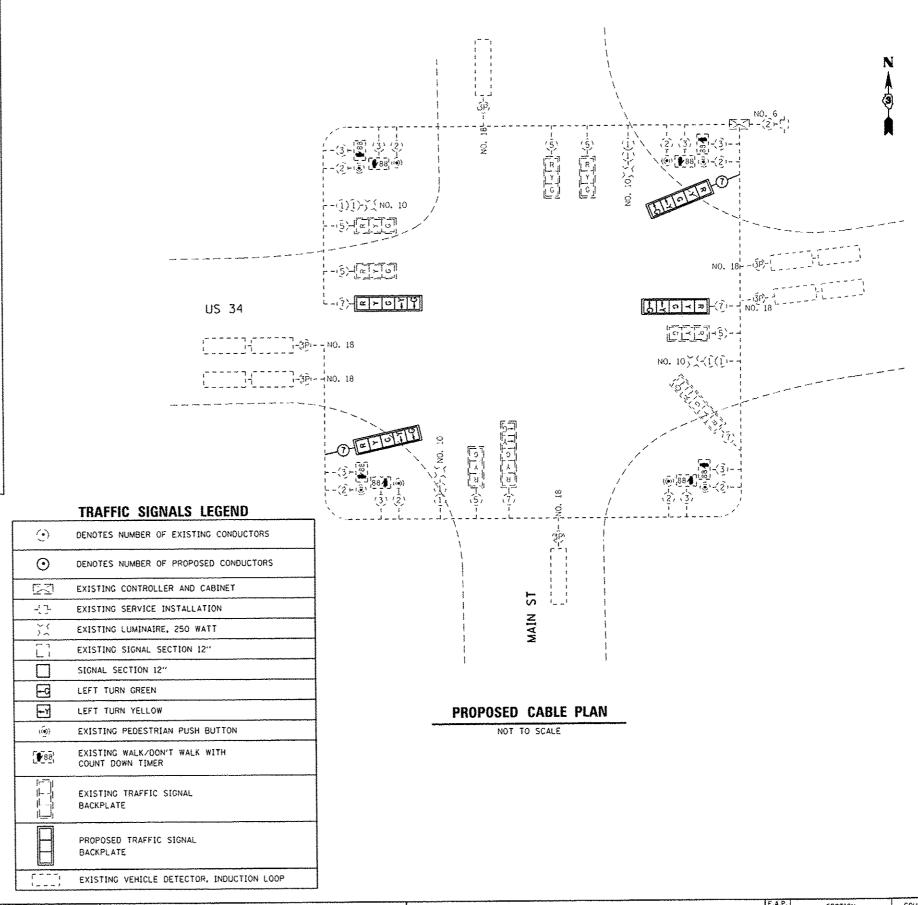
COUNTY TOTAL SHEETS NO. DESIGNED - HASAN AHMED REVISED -SECTION USER NAME + atunous FILE NAME . **GENERAL NOTES** DRAWN - HASAN AHMED REVISED STATE OF ILLINOIS DEKALB 6 2 CONTRACT NO. 66D67 DEKALB (15)75-\pridot\dhmedh\di388833\D36 67-sht-details.den 591 DEPARTMENT OF TRANSPORTATION PLOT SCALE : 100.0000 '/ CHECKED -REVISED SCALE: OF 1 SHEETS STA. SHEET 1 MODEL MAMES PLOT DATE + 5/5/2014 DATE REVISED -

				CONSTR. CODE STATE FUNDS 100%
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	TRAFFIC SIGNALS 0021 URBAN
67100100	MOBILIZATION	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
* 72000100	SIGN PANEL - TYPE 1	SO FT	10	10
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	340	340
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	400	400
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	2
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2	2
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	4	4
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1

								* Speci	alty He	ms	
FRE NAME *	USER NAME A edunerals	DESIGNED - HASAN AHMED	REVISEO -					F.A.P. SEC	TION C	OUNTY CL	OTAL SHEET
c:\pw_work\pwidot\ahmodh\dd3860331	10366667-sht-details.dgn	DRAWN - HASAN AHMED	REVISEO -	STATE OF ILLINOIS		SUMMARY		FOI VEN		EKALB	E 3
	PLOT SCALE * 180.0888 '/ in.	CHECKED -	REVISEO ~	DEPARTMENT OF TRANSPORTATION				231 1 (15)			NO. 66D67
MOOFLNAME	PLOT DATE + 5/5/2014	DATE -	REVISED ~		SCALE:	SHEET 1 OF 1 SHEETS STA.	TO STA.	<u></u>	ILLINOIS FED. AID PR		10. 00001







FILE NAME 2 D366D67-SHT-TS-CABLE-US34-MAIN.DGN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN

FAP 591 (US 34) AND MAIN STREET

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

ELECTRICAL LOAD FOR INTERSECTION WATTAGE EACH BURNTIME STREET NAME COMPONENT NUMBER US 34 RED 32 YELLOW 22 4 63 GREEN 15 YELLOW ARROW LT. 10 4 GREEN ARROW LT. 11 11 20 100 MAIN STREET RED 11 84 22 3 YELLOW GREEN 15 14 YELLOW ARROW LT. 10 CREEN ARROW LT. 11 11 68 2 20 100 TRAFFIC SIGNAL CABINET CONTROLLER 100 100 UPS 50 VEHICLE DETECTORS 100 250 100 LUMINAIRE

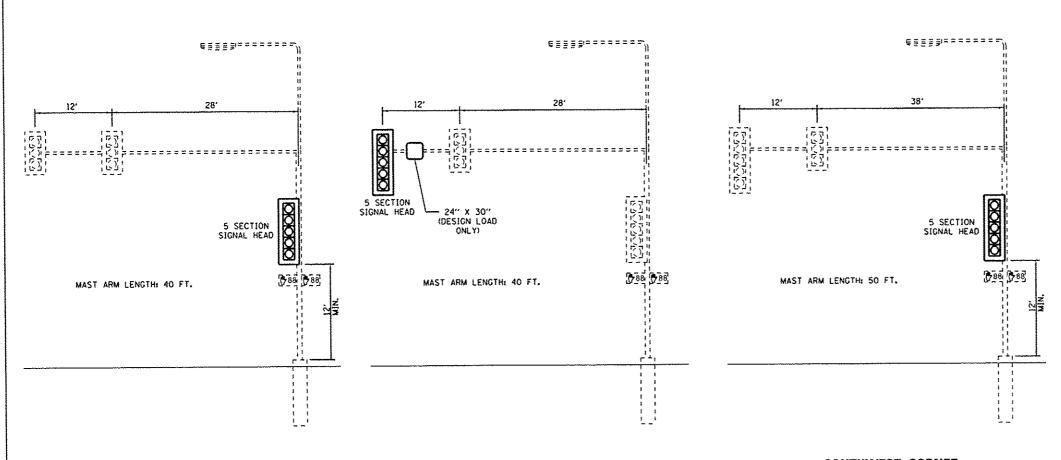
AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES: CITY OF SANDWICH, IL

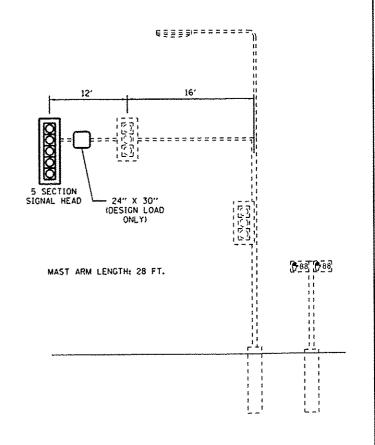
LEFT TURN
YIELD
ON GREEN

R10 - 12 24" X 30"

TYPE A SHEETING REQUIRED
2 SIGNS REQUIRED = 5 SQ.FT. EACH
= 10 SQ.FT. TOTAL

THIS SIGN SHALL BE LOCATED 6 TO 12 INCHES TO THE RIGHT OF EACH 5 SECTION MAST ARM MOUNTED LEFT TURN SIGNAL





NORTHEAST CORNER

NOTE: ALL SIGNAL HEADS HAVE BACKPLATES

SOUTHEAST CORNER
NOT TO SCALE

SOUTHWEST CORNER

NORTHWEST CORNER NOT TO SCALE

F	ILE NAME .	USER NAME + ARR	DESIGNED - JKC	REVISED -		TRAFFIC SIGNAL DETAILS	RTE. SECTION COUNTY SHEETS NO.
9	366867-SHT-TS-BETAILS-US34-MAIN.DGN		ORAWN - ARR	REVISED -	STATE OF ILLINOIS	FAP 591 (US 34) AND MAIN STREET	591 (15)TS-1 DEKALB 5 6 6 CONTRACT NO. 66067
		PLOT SCALE : 1' : 20'	CHECKED - JKC	REVISED -	DEPARTMENT OF TRANSPORTATION		CONTRACT NO. 66D67
		PLOT DATE : 92/14	DATE - 02/14	REVISED -		SCALE: 1" = 20" SHEET 1 OF 1 SHEETS STA. TO STA.	ILLINOISISED. AID PROJECT