CONTRACT NO. 66560

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	35
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

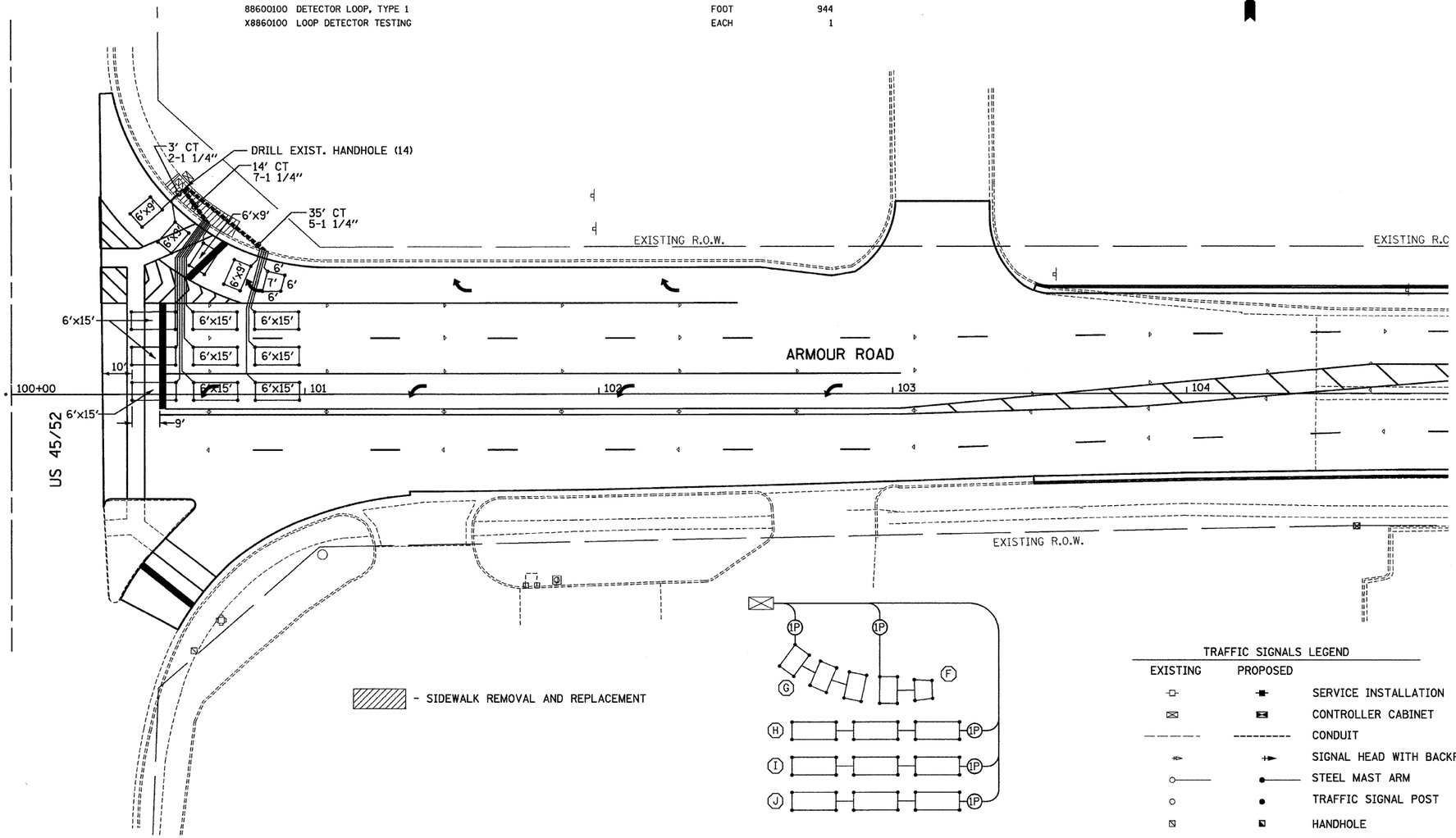
* FAU ROUTE 6176 (ARMOUR ROAD)
** SECTION (79)W&RS & 140RS

SCHEDULE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
81012400	CONDUIT IN TRENCH, 1 1/4" DIA., PVC	FOOT	279
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	52
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	105
87900200	DRILL EXISTING HANDHOLE	EACH	14
88500100	INDUCTIVE LOOP DECTECTOR	EACH	5
88600100	DETECTOR LOOP, TYPE 1	FOOT	944
X8860100	LOOP DETECTOR TESTING	EACH	1

-20 0 20 40 60 80 100
SCALE IN FEET

N

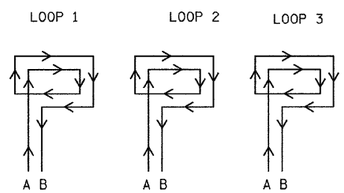


PROPOSED CABLE PLAN

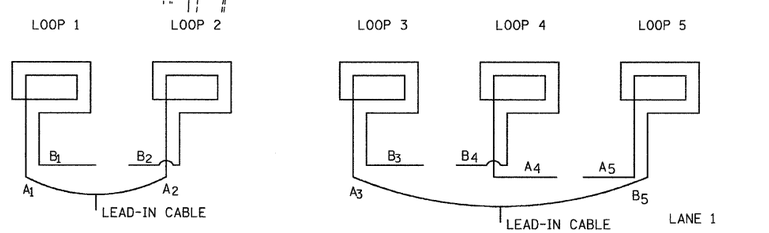
TRAFFIC SIGNALS LEGEND

EXISTING	PROPOSED	
		SERVICE INSTALLATION
		CONTROLLER CABINET
		CONDUIT
		SIGNAL HEAD WITH BACKPLATE
		STEEL MAST ARM
		TRAFFIC SIGNAL POST
		HANDHOLE
		DOUBLE HANDHOLE

STEP 1
WIND ALL LOOPS CLOCKWISE. LABEL BEGINNING END OF CABLE A. LABEL ENDING END OF CABLE B. FOLLOW DETECTOR LOOP CABLE MANUFACTURER'S INSTRUCTIONS ON NUMBER OF TURNS FOR LOOP.



STEP 2
CONNECT LEAD B OF LOOP 1 TO LEAD B OF LOOP 2.
CONNECT LEAD A OF LOOP 2 TO LEAD A OF LOOP 3.



DETECTOR LOOP WINDING AND SERIES SPLICING DETAIL

(SEE DETECTOR LOOP INDUCTANCE CHART FOR NUMBER OF TURNS)

DETECTOR LOOP INDUCTANCE CHART

DETECTOR LOOP SYSTEM	LOCATION	TURNS PER LOOP	INDUCTANCE READING (MICROHENRIES)	FREQUENCY (HERTZ)
F	WBRT BK	5	426	29,571
G	WBRT FR	5	684	23,337
H	WBRL	4	647	23,995
I	WBLL	4	649	23,958
J	WBLT	4	652	23,903

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
FAU ROUTE 6176 (ARMOUR ROAD)
SECTION (79)W&RS & 140RS
KANKAKEE COUNTY

SCALE:
DRAWN BY ARR
DATE 01/09
CHECKED BY JLS

PLOT DATE = 12/06
FILE NAME = 22A0607SPLM45-52.DGN
PLOT SCALE = 1" = 20'
USER NAME = ARR