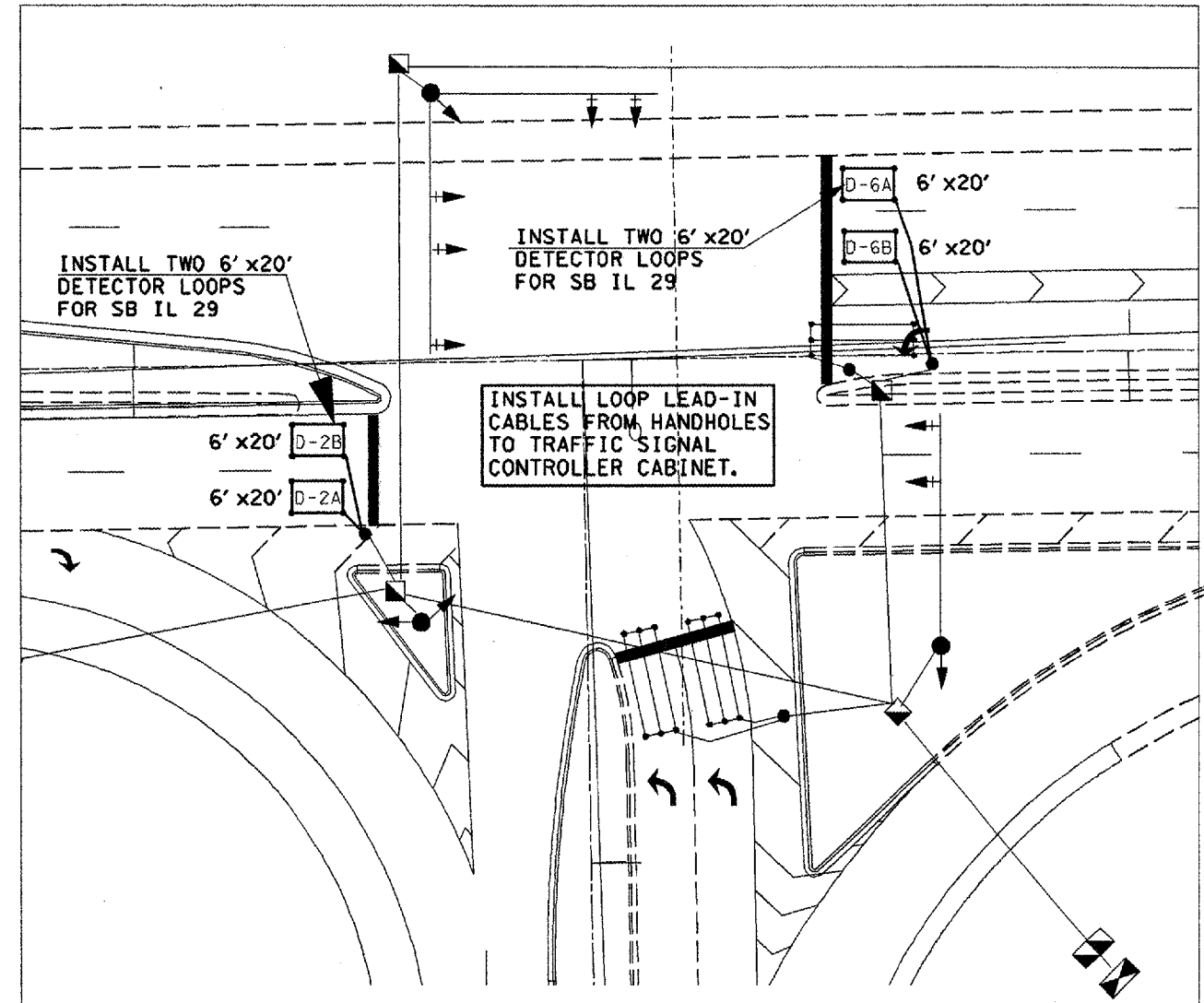
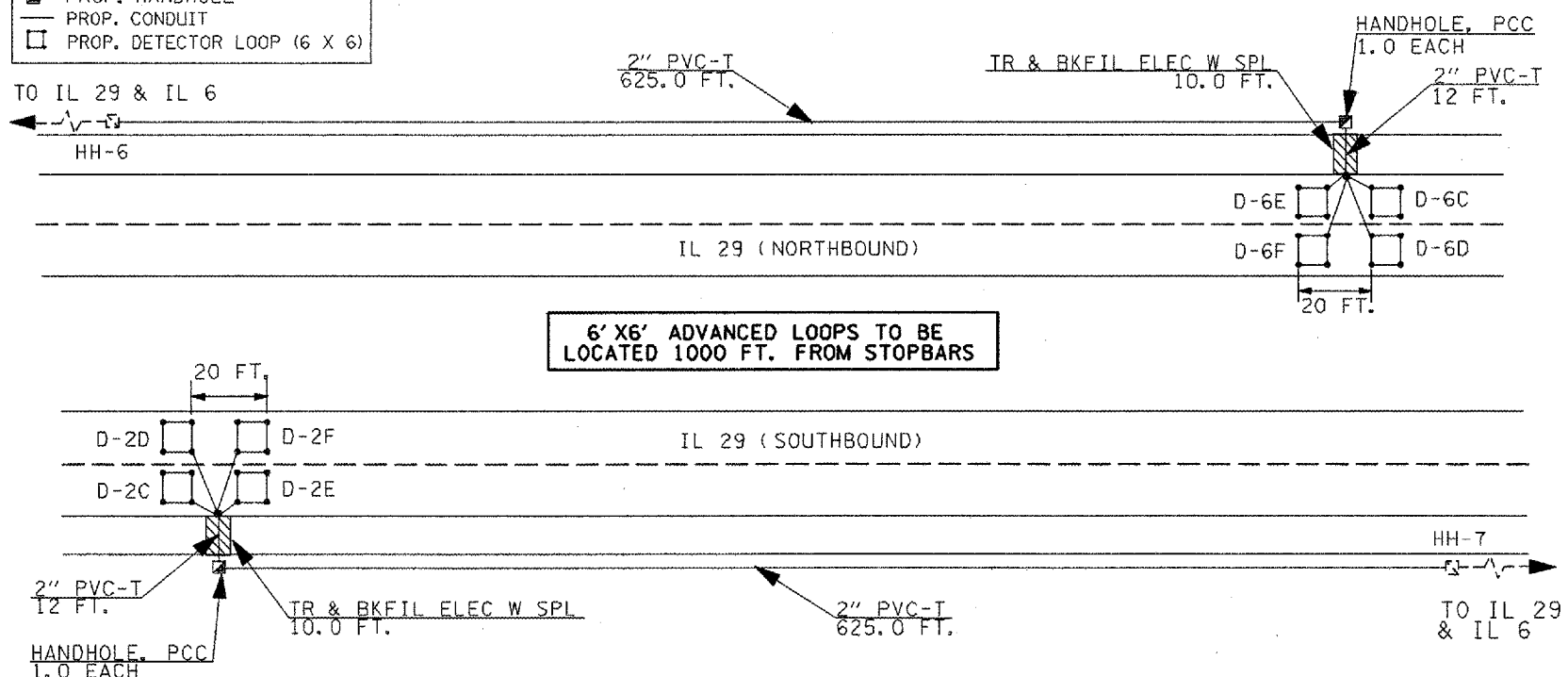


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	72-16-1/RS	PEORIA	89	62
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL LEGEND

- ☐ HANDHOLE, PCC
- 2" PVC CONDUIT
- ☑ PROP. HANDHOLE
- PROP. CONDUIT
- ☐ PROP. DETECTOR LOOP (6 X 6)



BILL OF MATERIALS - OPTION "A"

ITEM DESCRIPTION	UNIT	QTY
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	1250
HANDHOLE, PCC	EACH	2
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1250
TRENCH AND BACKFILL FOR ELECTRICAL WORK (SPECIAL)	FOOT	20
INDUCTIVE LOOP DETECTOR	EACH	12
DETECTOR LOOP, TYPE I	FOOT	287
DETECTOR LOOP, SPECIAL	FOOT	282
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 12, 2C	FOOT	10576
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18, 3 PAIR	FOOT	376

TRAFFIC SIGNAL CONSTRUCTION NOTES - "OPTION "A"

- ALL ADVANCED 6'X6' DETECTOR LOOPS SHALL HAVE SIX TURNS.
- ADVANCED DETECTOR LOOPS SHALL BE LOCATED 1000 FT. FROM THE STOP BAR.
- ALL ADVANCED DETECTOR LOOPS SHALL UTILIZE A SEPARATE #12 1-PAIR TWISTED/SHIELDED LEAD-IN CABLE.
- DETECTOR LOOP LEAD-IN CABLES SHALL HAVE THE SAME SLACK AS OTHER SIGNAL CABLE.
- LEAD-IN CABLE SHALL BE CONTINUOUS FROM THE TYPE II SPLICE LOCATED IN THE CONCRETE HANDHOLE TO THE CONTROLLER CABINET. NO SPLICES WILL BE ALLOWED.
- ALL DETECTOR LOOPS SHALL BE INSTALLED IN THE CENTER OF THEIR RESPECTIVE TRAVEL LANES. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR VERIFICATION OF DETECTOR PLACEMENT BEFORE INSTALLATION.
- EACH DETECTOR LOOP SHALL HAVE A SEPARATE LEAD-IN SLOT (ONLY ONE PAIR OF LEAD-IN WIRES PER SLOT).
- THE REMOVAL AND REPLACEMENT OF BITUMINOUS SHOULDER FOR INSTALLATION OF THE ADVANCED DETECTOR LOOP LEAD-IN SHALL BE INCLUDED IN THE UNIT BID PRICE FOR "TRAFFIC SIGNAL DETECTION CONTROL SYSTEM".
- THE CONTRACTOR SHALL FURNISH NAZTEC TRAFFIC SIGNAL EQUIPMENT FOR USE WITH THIS

THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIAL AND COMPONENTS REQUIRED FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM. ALL ITEMS THAT ARE REQUIRED FOR INSTALLATION MAY NOT BE LISTED IN THE PROPOSED BILL OF MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL ITEMS AND THEIR RESPECTIVE QUANTITIES. THERE WILL BE NO ADDITIONAL COMPENSATION FOR OMISSIONS AND/OR QUANTITY DISCREPENCIES.

DETECTOR ASSIGNMENT SCHEDULE - OPTION "A"

DETECTOR LOOP	ASSIGNED PHASE	NO. OF CHANNELS REQUIRED
D-2A, D-2B	2	2
D-2C, D-2D	2	2
D-2E, D-2F	2	2
D-6A, D-6B	2	2
D-6C, D-6D	2	2
D-6E, D-6F	2	2
TOTAL NUMBER OF CHANNELS REQUIRED:		12

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY
TRAFFIC SIGNAL DETECTION CONTROL SYSTEM, LOCATION 1	L SUM	1

NOT TO SCALE
TRAFFIC SIGNALS
SHEET 9 OF 18

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
IL 6 & IL 29
DETECTION CONTROL SYSTEM
OPTION "A"
PEORIA COUNTY

SCALE: VERT. _____
HORIZ. _____
DATE _____

DRAWN BY _____
CHECKED BY _____

PLOT DATE = 12/17/2007
 FILE NAME = S:\GEN\DRY\15106\PLNS\91043-NEW\Native\Contrcts\68110\Cover sheet & 500.dgn
 USER NAME = braden