

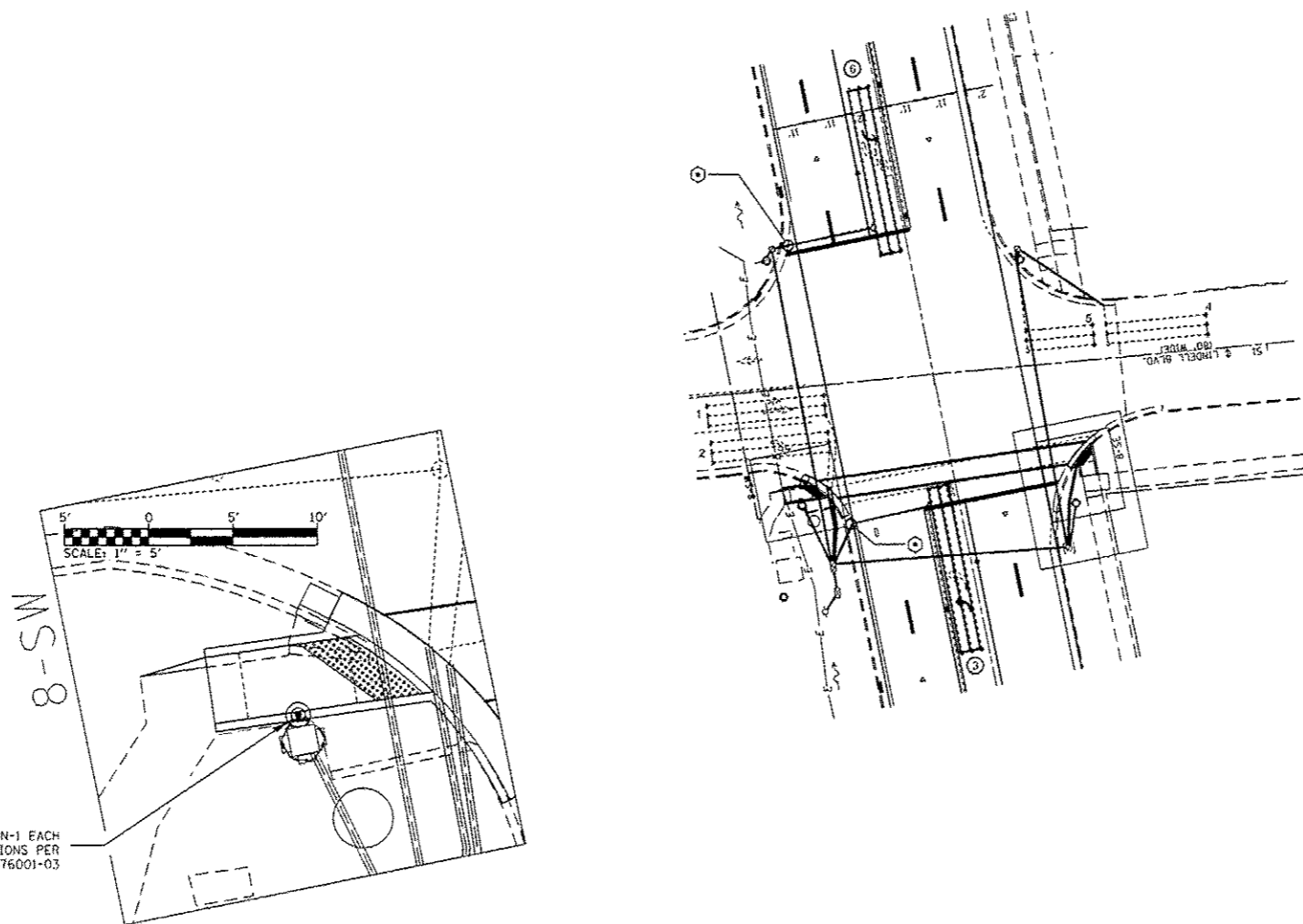
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 203 & LINDELL AVE.

LOOP#	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. EB LT CD	4	6 X 35-0	3-6-3	573.5	1.4
2. EB THRU CD	4	6 X 35-0	3-6-3	570.9	1.4
3. NB THRU CD	1 & 6	6 X 50-0	3-6-3	797.7	1.9
4. EB THRU CD A	3	6 X 30-0	3-6-3	534.4	2.1
5. EB THRU CD B	3	6 X 20-0	3-6-3	361.8	1.7
6. SB THRU CD	2 & 5	6 X 50-0	3-6-3	817.9	2.3

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

0=QUADRAPOLE

⊙ =SEE DETAIL A



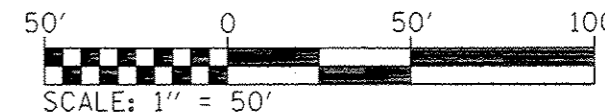
RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON-1 EACH AFTER ADA SIDE WALK RAMP MODIFICATIONS PER STD. SPEC. ART. 895.02 AND STD. 876001-03

PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE 1-1 EACH
RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON-1 EACH
ELECTRIC CABLE IN TRENCH, SIGNAL, NO. 14 20-132 FT

DRILL EXISTING HANDHOLE-1 EACH
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.-22 FT
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT-244 FT
REMOVE ELECTRIC CABLE FROM CONDUIT-122 FT

IL 203 & LINDELL AVE.

△ REVISED SHEET 7-23-14



FILE NAME *	USER NAME = prestonm	DESIGNED -	REVISED -
c:\pwwork\pwwork\prestonm\148332803\0676g24-ah1-T5.dgn		DRAWN -	REVISED -
	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/28/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT &
ADA T.S. MODIFICATION PLAN
4 OF 5

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
594	(X-3,X-2)RS-1	MADISON	52	49
			CONTRACT NO. 76G24	
ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. 2 OF 7 SHEETS STA. TO STA.