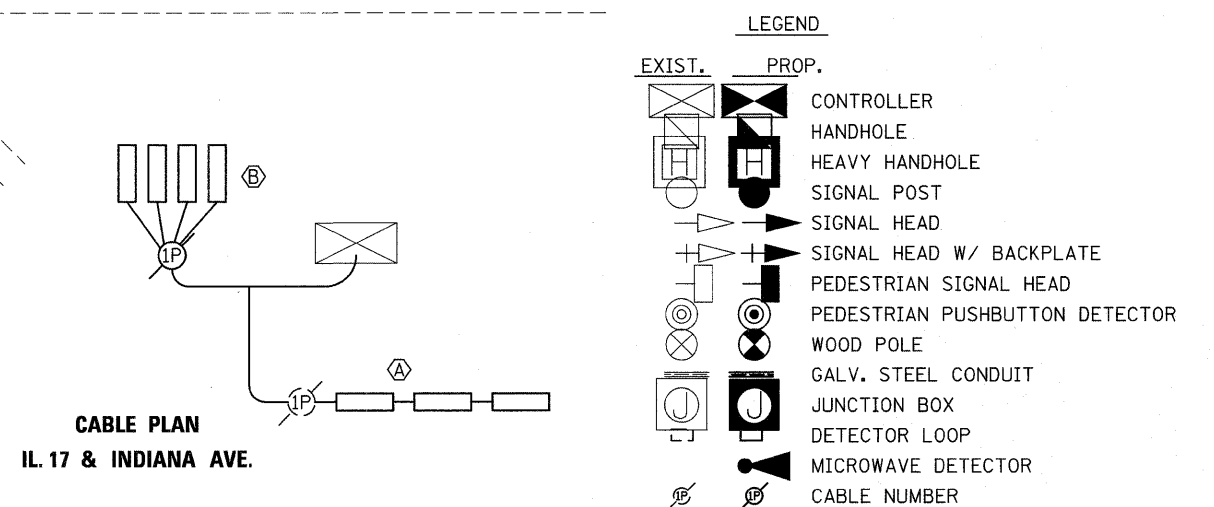
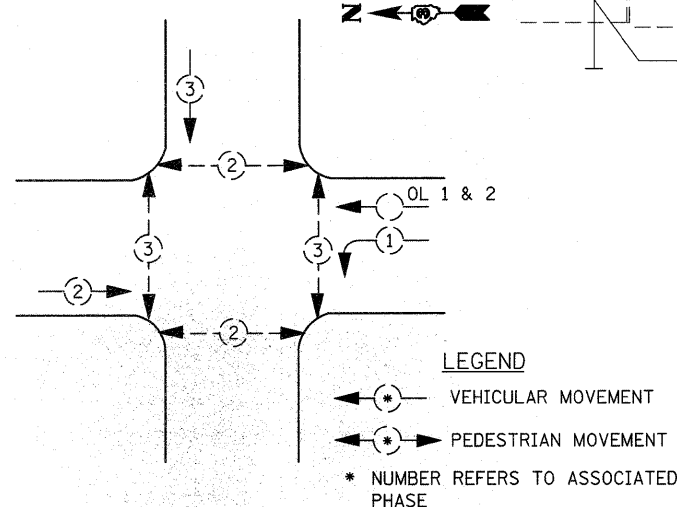
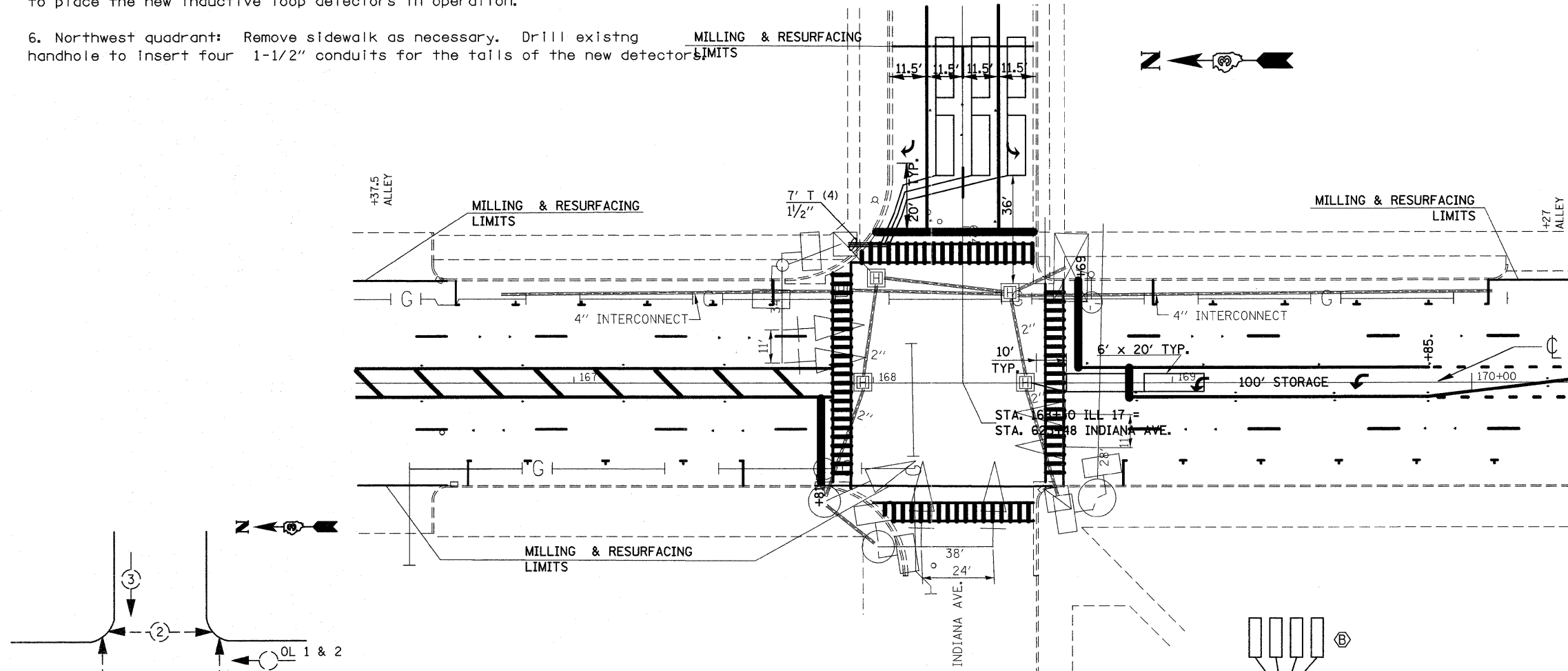


TRAFFIC SIGNAL CONSTRUCTION SUMMARY

1. Detector loops on Illinois 17 are existing and will be removed by the milling operation. Replace the detector loops as shown.
2. Existing detector loop lead-in cable shall be tested prior to splicing onto the new detector loop. Existing detector loop lead-in testing good shall be reused. Testing of the existing lead-in cable shall be included in the price for Detector Loop Type I.
3. The contractor shall perform detector testing on the existing loops remaining at this intersection to confirm they remain intact. Damaged loops may be replaced at the direction of the resident.
4. The southbound detector loops are new.
5. Install inductive loop detector, harnesses, and necessary parts to place the new inductive loop detectors in operation.
6. Northwest quadrant: Remove sidewalk as necessary. Drill existing handhole to insert four 1-1/2" conduits for the tails of the new detector loops.

DETECTOR LOOP INDUCTANCE CHART IL ROUTE 17 & INDIANA AVE				
LOOP SYSTEM	LABEL	NO. OF TURNS	INDUCTANCE (uH)	FREQUENCY Hertz
A	WBLT	3	486	27696
B	NB	3	703	23023

SCHEDULE OF QUANTITIES		
CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	24
ELECTRIC CABLE IN TRENCH, LEAD-IN, NO. 14 1 PAIR	FOOT	89
DRILL EXISTING HANDHOLE	EACH	4
INDUCTIVE LOOP DETECTOR (SPECIAL)	EACH	1
DETECTOR LOOP, TYPE I	FOOT	628
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	24
SIDEWALK REMOVAL	SQ FT	24
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	7



FOR INFORMATION ONLY