

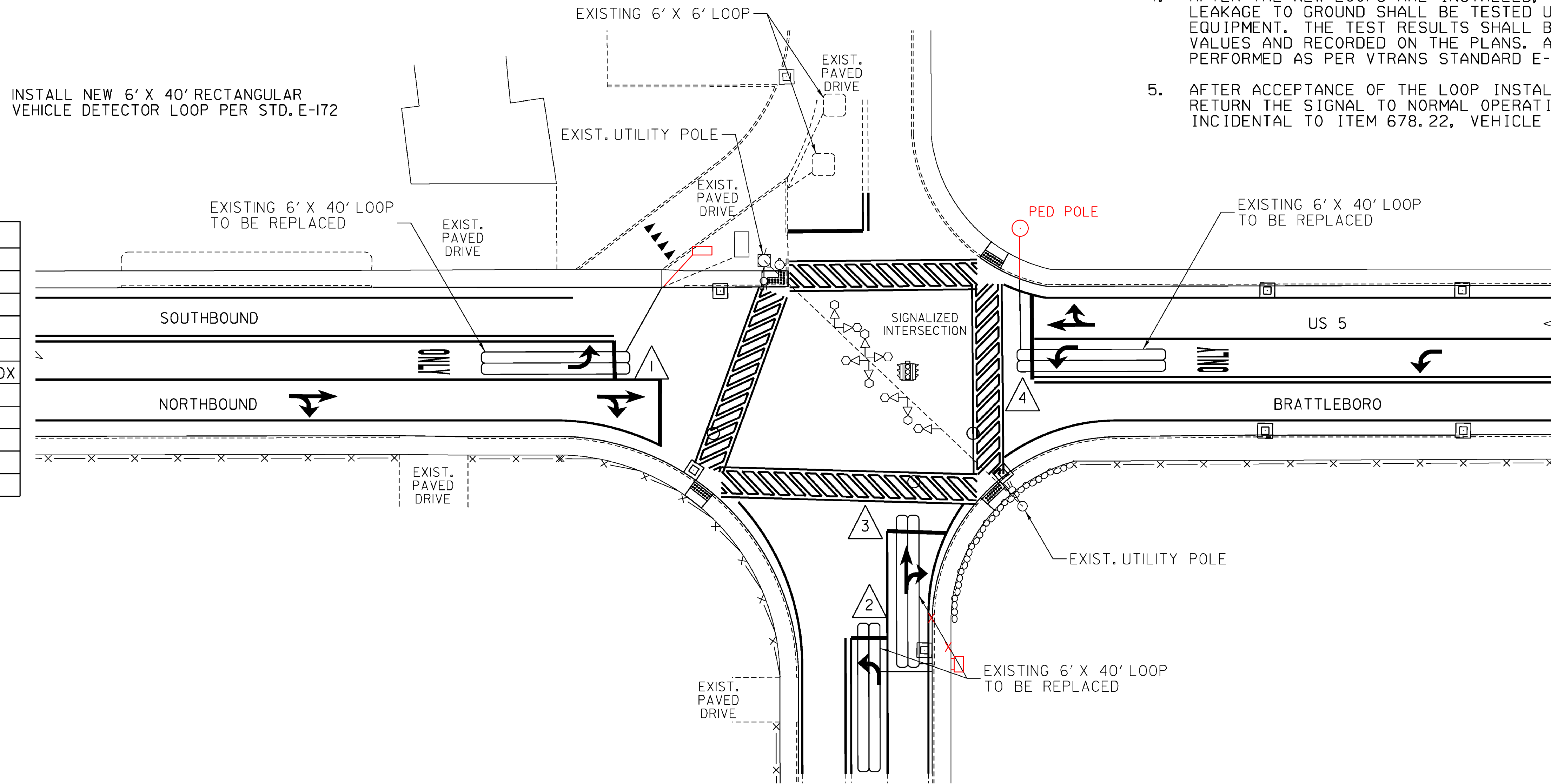
# SUMMARY OF QUANTITIES

ITEM	DESCRIPTION	QUANTITY
678.22	VEHICLE LOOP DETECTOR	600'

## TRAFFIC SIGNAL INSTALLATION GENERAL NOTES

- EXISTING LOOPS SHALL BE DISCONNECTED AT THE CURB LINE PRIOR TO COLD PLANING.
- NEW LOOPS TO BE CUT INTO COLD PLANED SURFACE AND WIRED INTO EXISTING CONDUITS AT THE CURB LINE.
- NO CHANGES TO THE EXISTING SIGNAL TIMING/ PHASING ARE TO BE MADE AT THIS INTERSECTION.
- AFTER THE NEW LOOPS ARE INSTALLED, THE INDUCTANCE, RESISTANCE AND LEAKAGE TO GROUND SHALL BE TESTED USING PROPERLY CALIBRATED EQUIPMENT. THE TEST RESULTS SHALL BE COMPARED WITH THE CALCULATED VALUES AND RECORDED ON THE PLANS. ALL LOAD TESTING SHALL BE PERFORMED AS PER VTRANS STANDARD E-172.
- AFTER ACCEPTANCE OF THE LOOP INSTALLATION BY THE RESIDENT ENGINEER RETURN THE SIGNAL TO NORMAL OPERATION. ALL WORK REQUIRED SHALL BE INCIDENTAL TO ITEM 678.22, VEHICLE LOOP DETECTOR.

LEGEND	
	UTILITY POLE
	LUMINAIRE
	LIGHT OR WOOD POLE
	STRAIN POLE
	CONTROLLER CABINET
	PULLBOX/JUNCTION BOX
	SIGNAL HEAD
	CONDUIT
	VEHICLE LOOPS
	PEDESTAL POST
	STANCHION



## TEST RESULTS

VEHICLE LOOP DETECTORS								INDUCTANCE micro - H		RESISTANCE OHM @ 77° C		(MEGOHM)
LANE	LOOP NO.	SIZE	NO TURNS	TYPE	CALL Ø	MODE	AMP.	CALCULATED	MEASURED	CALCULATED	MEASURED	LEAKAGE TO GROUND
NB	1	6' X 40'	2-4-2	LONG		PRESENCE	NON-DELAY	338		246		
EB	2	6' X 40'	2-4-2	LONG		PRESENCE	NON-DELAY	338		237		
EB	3	6' X 40'	2-4-2	LONG		PRESENCE	NON-DELAY	338		220		
SB	4	6' X 40'	2-4-2	LONG		PRESENCE	NON-DELAY	338		245		

ALL CALCULATED VALUES ARE AT THE CONTROLLER. MEASURED VALUES MUST BE FILLED IN PRIOR TO JOB ACCEPTANCE

## US 5 @ FAIRGROUND RD

THE LOCATION OF THE SIGNAL/PEDESTRIAN PEDESTALS IS APPROXIMATE. THE LOCATION AND DEPTH OF THE ELECTRICAL CONDUITS ARE UNKNOWN. THE CONTRACTOR MUST TAKE CARE NOT TO DAMAGE THE ELECTRICAL CONDUITS IN THE PROCESS OF COLD PLANING OR CONSTRUCTING SIDEWALK OR PEDESTRIAN RAMPS. ANY DAMAGE INCURRED WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO COST TO THE STATE OF VERMONT.

## VEHICLE LOOP DETECTOR

PROJECT NAME: BRATTLEBORO

PROJECT NUMBER: STP 2623(I)

FILE NAME: /pave/06d214/pd214

PROJECT LEADER: PTS

DESIGNED BY: NULL

IPARM FILE NAME: 06D214\_I5

PLOT DATE: 3/19/2010

DRAWN BY: HJD

CHECKED BY: PTS

SHEET 15 OF 163

NOT TO SCALE