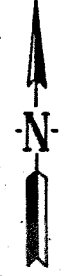


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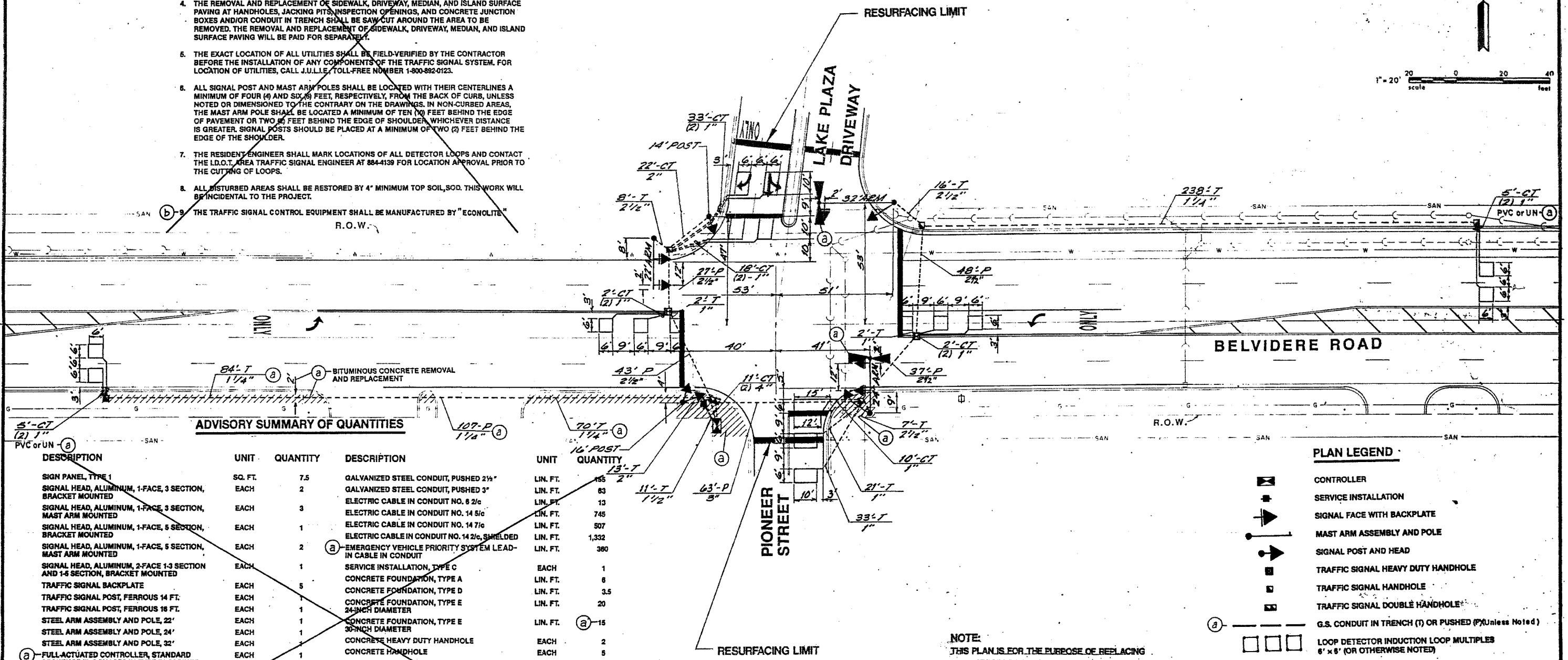


1" = 20'  
scale

**GENERAL NOTES**

- ALL DETECTOR LOOPS SHALL CONSIST OF THE NUMBER OF TURNS REQUIRED AND SHALL BE INSTALLED IN STRICT CONFORMITY WITH THE LOOP DETECTOR AMPLIFIER MANUFACTURERS' RECOMMENDATIONS. THE DETECTOR LOOP SHALL BE MEASURED FOR THAT PORTION OF SAW CUT BEYOND THE SPLICE, AS SPECIFIED IN SECTION T 418.04 OF THE SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
- LEAD-IN WIRING SHALL BE INSTALLED IN STRICT CONFORMITY WITH THE MANUFACTURERS' RECOMMENDATIONS. THE 2/C SHIELDED CABLE TO BE USED FOR THE DETECTOR LOOP LEAD-IN SHALL BE MEASURED FROM THE SPLICE TO THE CONTROLLER, AS SPECIFIED IN SECTION T 421.04 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS. FLAT CABLE WILL NOT BE PERMITTED.
- ALL SIGNAL AND DETECTOR ELECTRIC CABLE THAT IS FURNISHED BY THE CONTRACTOR SHALL BE PROTECTED BY POLYETHYLENE INSULATION WITH A POLYVINYLCHLORIDE JACKET. SERVICE CABLE MAY HAVE AN XPP JACKET.
- THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN, AND ISLAND SURFACE PAVING AT HANDHOLES, JACKING PITS, INSPECTION OPENINGS, AND CONCRETE JUNCTION BOXES AND/OR CONDUIT IN TRENCH SHALL BE SAW CUT AROUND THE AREA TO BE REMOVED. THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN, AND ISLAND SURFACE PAVING WILL BE PAID FOR SEPARATELY.
- THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD-VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR LOCATION OF UTILITIES, CALL J.U.L.I.E., TOLL-FREE NUMBER 1-800-892-0123.
- ALL SIGNAL POST AND MAST ARM POLES SHALL BE LOCATED WITH THEIR CENTERLINES A MINIMUM OF FOUR (4) AND SIX (6) FEET, RESPECTIVELY, FROM THE BACK OF CURB, UNLESS NOTED OR DIMENSIONED TO THE CONTRARY ON THE DRAWINGS. IN NON-CURBED AREAS, THE MAST ARM POLE SHALL BE LOCATED A MINIMUM OF TEN (10) FEET BEHIND THE EDGE OF PAVEMENT OR TWO (2) FEET BEHIND THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. SIGNAL POSTS SHOULD BE PLACED AT A MINIMUM OF TWO (2) FEET BEHIND THE EDGE OF THE SHOULDER.
- THE RESIDENT ENGINEER SHALL MARK LOCATIONS OF ALL DETECTOR LOOPS AND CONTACT THE I.D.O.T. AREA TRAFFIC SIGNAL ENGINEER AT 884-4139 FOR LOCATION APPROVAL PRIOR TO THE CUTTING OF LOOPS.
- ALL DISTURBED AREAS SHALL BE RESTORED BY 4" MINIMUM TOP SOIL, SOD. THIS WORK WILL BE INCIDENTAL TO THE PROJECT.
- THE TRAFFIC SIGNAL CONTROL EQUIPMENT SHALL BE MANUFACTURED BY "ECONOLITE".

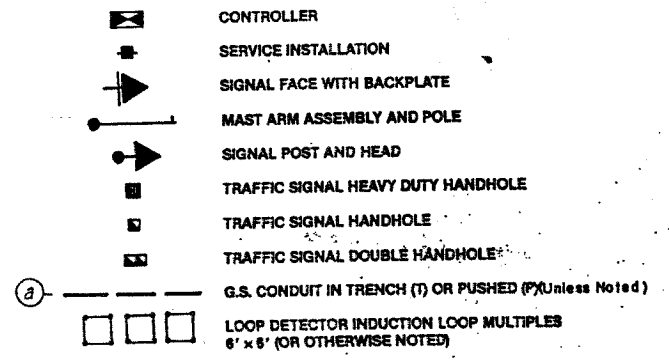
R.O.W.



**ADVISORY SUMMARY OF QUANTITIES**

DESCRIPTION	UNIT	QUANTITY	DESCRIPTION	UNIT	QUANTITY
SIGN PANEL, TYPE 1	SQ. FT.	7.5	GALVANIZED STEEL CONDUIT, PUSHED 2 1/2"	LIN. FT.	155
SIGNAL HEAD, ALUMINUM, 1-FACE, 3 SECTION, BRACKET MOUNTED	EACH	2	GALVANIZED STEEL CONDUIT, PUSHED 3"	LIN. FT.	63
SIGNAL HEAD, ALUMINUM, 1-FACE, 3 SECTION, MAST ARM MOUNTED	EACH	3	ELECTRIC CABLE IN CONDUIT NO. 6 2/c	LIN. FT.	13
SIGNAL HEAD, ALUMINUM, 1-FACE, 5 SECTION, BRACKET MOUNTED	EACH	1	ELECTRIC CABLE IN CONDUIT NO. 14 5/c	LIN. FT.	745
SIGNAL HEAD, ALUMINUM, 1-FACE, 5 SECTION, MAST ARM MOUNTED	EACH	2	ELECTRIC CABLE IN CONDUIT NO. 14 7/c	LIN. FT.	507
SIGNAL HEAD, ALUMINUM, 2-FACE 1-3 SECTION AND 1-5 SECTION, BRACKET MOUNTED	EACH	1	ELECTRIC CABLE IN CONDUIT NO. 14 2/c, SHIELDED	LIN. FT.	1,332
TRAFFIC SIGNAL BACKPLATE	EACH	5	EMERGENCY VEHICLE PRIORITY SYSTEM LEAD-IN CABLE IN CONDUIT	LIN. FT.	380
TRAFFIC SIGNAL POST, FERROUS 14 FT.	EACH	1	SERVICE INSTALLATION, TYPE C	EACH	1
TRAFFIC SIGNAL POST, FERROUS 18 FT.	EACH	1	CONCRETE FOUNDATION, TYPE A	LIN. FT.	6
STEEL ARM ASSEMBLY AND POLE, 22'	EACH	1	CONCRETE FOUNDATION, TYPE D	LIN. FT.	3.5
STEEL ARM ASSEMBLY AND POLE, 24'	EACH	1	CONCRETE FOUNDATION, TYPE E	LIN. FT.	20
STEEL ARM ASSEMBLY AND POLE, 32'	EACH	1	CONCRETE FOUNDATION, TYPE E	LIN. FT.	15
FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE III, 5 PHASES IN TYPE IV CABINET	EACH	1	CONCRETE HEAVY DUTY HANDHOLE	EACH	2
TIME BASE COORDINATING UNIT	EACH	1	CONCRETE HANDHOLE	EACH	5
INDUCTION LOOP DETECTOR AMPLIFIER	EACH	7	CONCRETE DOUBLE HANDHOLE	EACH	1
DETECTOR LOOP	LIN. FT.	680	TRENCH AND BACKFILL	LIN. FT.	589
PVC CONDUIT IN TRENCH 1"	LIN. FT.	20	BITUMINOUS CONCRETE REMOVAL AND REPLACEMENT	SQ. YD.	95
GALVANIZED STEEL CONDUIT IN TRENCH 1"	LIN. FT.	178	EMERGENCY VEHICLE PRIORITY SYSTEM SET UNIT	EACH	2
GALVANIZED STEEL CONDUIT IN TRENCH 1 1/4"	LIN. FT.	393	EMERGENCY VEHICLE PRIORITY SYSTEM PHASING UNIT	EACH	1
GALVANIZED STEEL CONDUIT IN TRENCH 1 1/2"	LIN. FT.	11	THERMOPLASTIC PAVEMENT MARKING LINE 24"	LIN. FT.	122
GALVANIZED STEEL CONDUIT IN TRENCH 2"	LIN. FT.	33	THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ. FT.	139
GALVANIZED STEEL CONDUIT IN TRENCH 2 1/2"	LIN. FT.	31	FIRE PRE-EMPTOR	EACH	2
GALVANIZED STEEL CONDUIT IN TRENCH 4"	LIN. FT.	22			
GALVANIZED STEEL CONDUIT, PUSHED 1 1/4"	LIN. FT.	107			

**PLAN LEGEND**



**NOTE:**  
THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

**REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)**

CODE NO.	QUANTITY	UNIT	ITEM
84700600	800	Foot	Detector Loop Replacement

DETECTOR LOOP REPLACEMENT  
PIONEER STREET AT BELVIDERE ROAD

job no.	
scale:	1" = 20'
design:	M. G. D.
drawn:	M. G. D.
approved:	H. J. A.
date:	
total sheets	sheet no.