PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE REBUILDING OF A TRAFFIC SIGNAL SYSTEM INSTALLING SAMPLING STATIONS ON MD 2 AND ABANDONING OF A STAND ALONE SAMPLING STATION SOUTH OF MD 177 IN ARUNDEL COUNTY. THIS SYSTEM IS FROM PHELPS AVENUE TO MD 177. THE SAMPLING STATIONS WILL BE LOCATED AT THE FOLLOWING INTERSECTIONS:

A). PHELPS AVENUE
B). MARLEY STATION ROAD
C) AMERICANA CIRCLE
D). MD 177

GENERAL NOTES

1. THE CONTRACTOR MUST VERIFY LOCATION OF ALL EXISTING UTILITIES AND EXISTING GEOMETRICS PRIOR TO ANY WORK.
2. THE SIGNAL SHOP WILL ADVISE THE CONTRACTOR IF ANY MORE CONDUIT MUST BE INSTALLED.
3. THE EXISTING INTERCONNECT MUST BE MAINTAINED THROUGHOUT THE INSTALLATION OF THE NEW INTERCONNECT TO MAINTAIN SYSTEM OPERATION.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION AND INSTALLED BY SIGNAL SHOP

ITEM NO.	QUANTITY	DESCRIPTION
9002	8 EACH	4-CHANNEL LOOP DETECTOR AMPLIFIER RACK MOUNTED

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
8014	4 EACH.	FURNISH AND INSTALL 3" WEATHERHEAD
8037	1 EACH.	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT PER ASSIGNMENT
8038	1 EACH.	REMOVE AND DISPOSE OF EXISTING FOUNDATION 12 INCH BELOW GRADE
8039	1 EACH.	REMOVE EXISTING CONTROLLER, CABINET, AND GALVANIZED SIGNAL STRUCTURE
8044	490 L.F.	FURNISH AND INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8053	50 L.F.	FURNISH AND INSTALL 1" ELECTRICAL CONDUIT-GALVANIZED SLEEVE
8055	220 L.F.	FURNISH AND INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED
8060	67 L.F.	FURNISH AND INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR WIRE SLEEVE
8063	9 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8068	1150 L.F.	FURNISH AND INSTALL 12-PAIR COMMUNICATION CABLE, JELLYFILLED (UNDERGROUND)
8073	4460 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
8078	3450 L.F.	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G.)
8079	960 L.F.	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)

EQUIPMENT LIST "C"

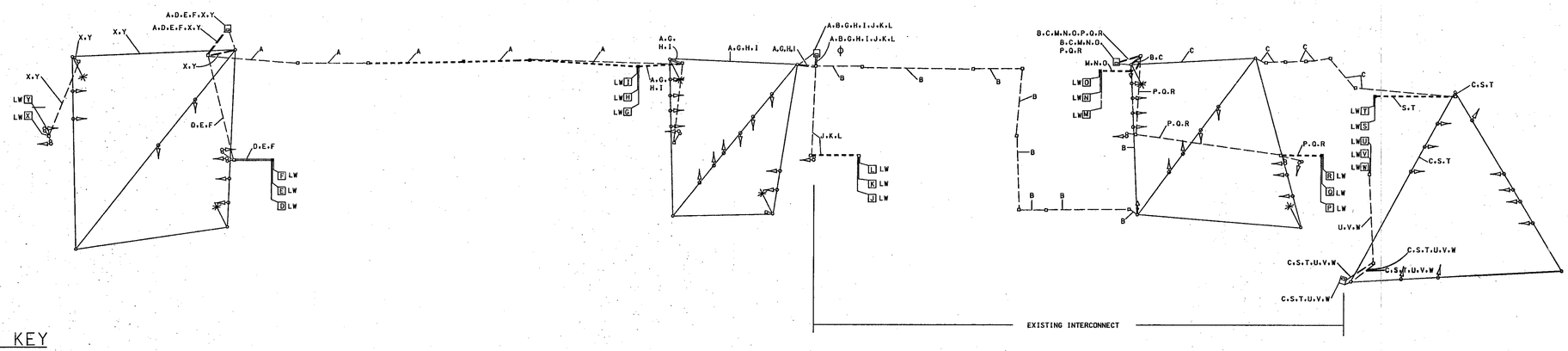
C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076

QUANTITY	DESCRIPTION
1 EACH	SAMPLING STATION CABINET

NOTES:

1. ALL EQUIPMENT TO BE REMOVED AND NOT LISTED ABOVE SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
2. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

WIRING DIAGRAM



WIRING KEY

A	12 PAIR COMMUNICATION CABLE JELLYFILLED (NO. 19 A.W.G.)
B,C	EXISTING 12 PAIR COMMUNICATION CABLE JELLYFILLED (NO. 19 A.W.G.)
D,E,F,G, H,I,J,K, L,M,N,O, P,Q,R,S, T,U,V,W, X,Y	2 CONDUCTOR (ALUMINUM SHIELDED) NO. 14 AWG ELECTRICAL CABLE
LW	LOOP WIRE (NO. 14 A.W.G.)

DGL
CONSULTING ENGINEERS
COLUMBIA, MARYLAND

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
INTERCONNECT PLAN
MD 2 FROM PHELPS AVENUE TO MD 177

DRAWN BY:	JG	F.A.P. NO.	T-8005(12)	TS NO. 1135D-GI	SHEET NO. 6 OF 6
CHECKED BY:	BT	S.H.A. NO.	~~AA-887-2-585~~		
SCALE:	1"=50'	COUNTY:	ANNE ARUNDEL	T.I.M.S. NO. D691	
DATE:	8/23/87	LOG MILE:	020002[redacted]		

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