F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

US 301 IS ASSUMED TO TRAVEL IN A NORTH/SOUTH DIRECTION.

SMALLWOOD DRIVE'S EQUIPMENT LISTS

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

ITEM	CAT CODES	DESCRIPTION	QUANTITY
8001	805011	1 INCH ELECTRICAL CONDUIT GALVANIZED SLEEVE	0 L.F.
8002	805160	1 INCH LIQUID TIGHT FLEXIBLE CONDUIT FOR DETECTOR SLEEVE	190 L.F.
8003	810011	LOOP DETECTOR CABLE SPLICED TO EX. 2-CONDUCTOR (ALUM. SHIELD)	270 L.F.
8004	862101	LOOP DETECTOR CABLE ENCASED TUBING (NO.14 AWG)	6130 L.F.
8005	862102	SAWCUT FOR SIGNAL LOOP	1725 L.F.
8006	800000	MICROLOOP PROBE TRIPLE SET WITH 1000 FT. LEAD-IN	6 EA.

PROJECT DESCRIPTION

I GENERAL

THIS PROJECT INVOLVES THE REPLACEMENT OF THE DETECTION ON US 301 AND THE FRONT LOOPS ON SMALLWOOD DRIVE AND BILLINGSLEY RD., IN CHARLES COUNTY. THIS REVISION IS REQUIRED DUE TO THE RESURFACING PROJECT CH-6085177.

II INTERSECTION OPERATION

THE EXISTING SIX PHASE, FULLY-ACTUATED OPERATION SHALL BE MAINTAINED AT BOTH INTERSECTIONS. UTILIZES ALL UNIDENTIFIED SIGNAL EQUIPMENT WHEN APPLICABLE.

BILLINGSLEY ROAD'S EQUIPMENT LISTS

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

ITEM	CAT CODES	DESCRIPTION	QUANTITY
8001	805011	1 INCH ELECTRICAL CONDUIT GALVANIZED SLEEVE	200 L.F.
8002	805160	1 INCH LIQUID TIGHT FLEXIBLE CONDUIT FOR DETECTOR SLEEVE	35 L.F.
8003	810011	LOOP DETECTOR CABLE SPLICED TO EX. 2-CONDUCTOR (ALUM. SHIELD)	150 L.F.
8004	862101	LOOP DETECTOR CABLE ENCASED TUBING (NO. 14 AWG)	5180 L.F.
8005	862102	SAWCUT FOR SIGNAL LOOP	1380 L.F.
8006	800000	MICROLOOP PROBE SET OF THREE WITH 1000 FT. LEAD-IN	4 EA

SMALLWOOD DRIVE'S WIRING DIAGRAM

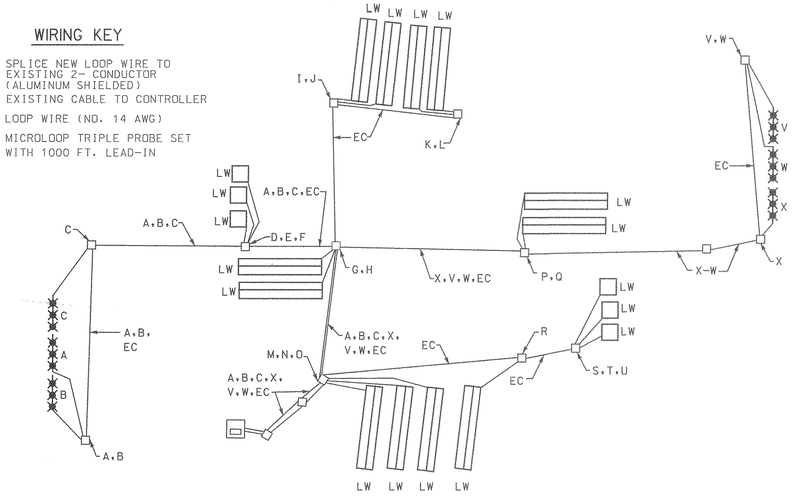
WIRING KEY

D-U - SPLICE NEW LOOP WIRE TO EXISTING 2- CONDUCTOR (ALUMINUM SHIELDED)

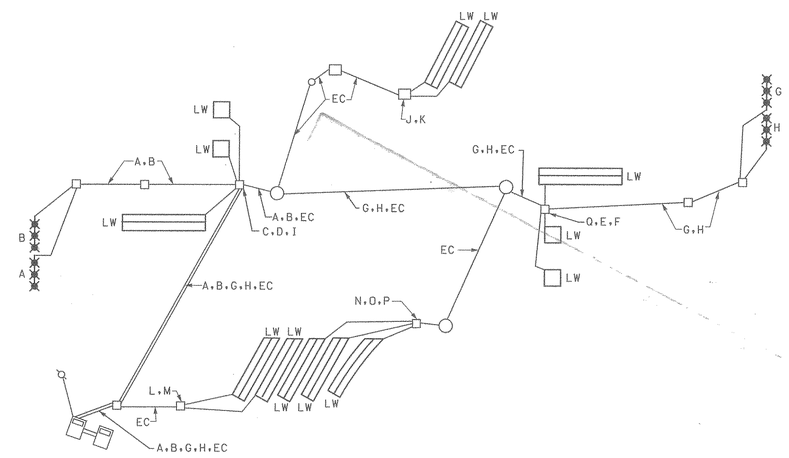
EC - EXISTING CABLE TO CONTROLLER

LW - LOOP WIRE (NO. 14 AWG)

A-C, X-W - MICROLOOP TRIPLE PROBE SET WITH 1000 FT. LEAD-IN



BILLINGSLEY ROAD'S WIRING DIAGRAM



WIRING KEY

A,B,G,H - MICROLOOP PROBE SET WITH LEAD-INS.

C-F,I-Q - SPLICE NEW LOOP WIRE TO EXISTING 2-CONDUCTOR (ALUMINUM SHIELDED).

EC - EXISTING CABLE.

LW - LOOP WIRE NO. 14 AWG.

UTILITY LEGEND

—T—T—	TELEPHONE CABLES
—G—G—	GAS MAIN
—W—W—	WATER MAIN
—S—S—	SEWER MAIN
—E—E—	ELECTRIC CABLES
—A—A—	AERIAL CABLES
—BC—BC—	BURIED CABLE
—SD—SD—	STORM DRAIN

GEOMETRIC LEGEND

— — — — — —	EXISTING GEOMETRICS
————	PROPOSED GEOMETRICS

PHOENIX ENGINEERING, INC.
CONSULTING ENGINEERS
813 MAIDEN CHOICE LANE, SUITE 300
BALTIMORE, MARYLAND 21228
(410) 247-8833 FAX 247-9397

APPROVALS	REVISIONS
ASST. DIVISION CHIEF, CEDD	
ASST. DISTRICT ENGINEER, TRAFFIC	
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
DIRECTOR, OFFICE OF TRAFFIC & SAFETY	

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION PLAN
U.S. 301 AND SMALLWOOD DR. REV. B
U.S. 301 AND BILLINGSLEY RD. REV. B

FEB. 98

DRAWN BY:	G.F.P.	F.A.P. NO.		PLAN SHEET NO.:	SHEET NO.
CHECK BY:	E.M.M.	S.H.A. NO.	CH-6085177	GI	3 OF 3
SCALE:	1"=20'	COUNTY	CHARLES		

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