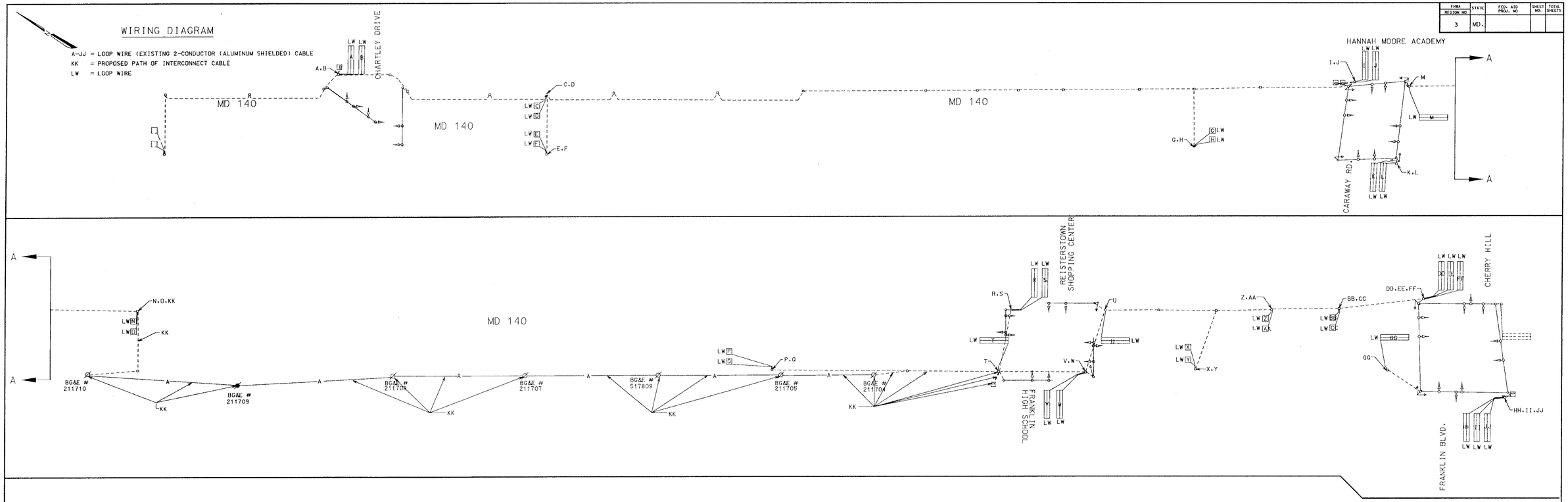
FHWA REGION NO	STATE	FED. AID PROJ. NO	SHEET NO.	TOTAL SHEETS
3	MD.			

WIRING DIAGRAM

A-JJ = LOOP WIRE (EXISTING 2-CONDUCTOR (ALUMINUM SHIELDED) CABLE
KK = PROPOSED PATH OF INTERCONNECT CABLE
LW = LOOP WIRE



PROJECT DESCRIPTION

I. GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE REPAIR OF THE LOOP DETECTORS AT THE FOLLOWING INTERSECTIONS ALONG MD 140 IN BALTIMORE COUNTY:

MD 140 AND CHARTLEY DRIVE
MD 140 AND CARAWAY ROAD/ HANNAH MOORE ACADEMY ENTRANCE
MD 140 AND FRANKLIN HIGH SCHOOL ENTRANCE/ REISTERSTOWN SHOPPING CENTER ENTRANCE
MD 140 AND FRANKLIN BOULEVARD/ CHERRY HILL ROAD

IT ALSO INVOLVES REINSTALLING THE INTERCONNECT CABLE BETWEEN MD 140 & REISTERSTOWN SHOPPING CENTER/ FRANKLIN HIGH SCHOOL AND MD 140 AND CARRAWAY ROAD/ HANNAH MOORE ACADEMY.

THE REPAIR OF THE LOOP DETECTORS MAY INVOLVE INSTALLING 6' X 6' LOOP DETECTORS (4 TURNS), 6' X 30' LOOP DETECTORS (3-6-3 TURNS), AND 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT SLEEVE.

THE CONTRACTOR SHALL CONTACT MR. ED RODENHIZER AT (410) 787-7652 TO DETERMINE WHICH DETECTORS NEED REPLACEMENT, AND THE REINSTALLATION OF THE INTERCONNECT CABLE.

II. INTERSECTION OPERATION

THERE IS NO CHANGE IN THE INTERSECTION OPERATION OF THE ABOVE REFERENCED SIGNALIZED INTERSECTIONS.

III. NOTE TO CONTRACTOR

THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING SPLICE KITS FROM THE EXISTING 2-CONDUCTOR (ALUMINUM SHIELDED) CABLE TO THE PROPOSED LOOP WIRE AT THE EXISTING HANDHOLE. THERE WILL BE NO CHARGE TO THE STATE OF MARYLAND FOR THIS PART OF THE PROJECT.

THE CONTRACTOR SHALL INSTALL THE LOOP DETECTORS RIGHT BEFORE THE FINAL SURFACE HAS BEEN COMPLETED.

THE CONTRACTOR SHALL ALSO TAKE NOTE OF CONSTRUCTION DETAILS NUMBERS 4, 5, 6 & 12.

THE SHA SHALL BE RESPONSIBLE FOR REINSTALLING THE INTERCONNECT CABLE IN THE CONTROLLER CABINET, ONCE THE CABLE HAS BEEN REINSTALLED. THE CONTRACTOR SHALL CONTACT MR. ED RODENHIZER (410) 787-7652 FOR THE REINSTALLATION OF THE CABLE AT THE CONTROLLER CABINET, AND FOR THE REPLACEMENT OF THE LOOP DETECTORS.

THE CONTRACTOR SHALL CONTACT MR. JOE McMAHON (410) 321-2841 OF DISTRICT 4 UTILITES CONCERNING WHEN BG&E POLE #211709 HAS BEEN MOVED SO THE INTERCONNECT CABLE CAN BE REINSTALLED.

THE CONTRACTOR SHALL WORK WITH THE PRIMARY CONTRACTOR WHEN INSTALLING ANY NEW HANDHOLES, COUPLING, AND CONDUIT OR REMOVING HANDHOLES, OR CONDUIT DUE TO UNDERGROUND SANITARY DRAINS BEING INSTALLED.

EQUIPMENT LIST

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	CATEGORY CODE	QUANTITY	SPEC. SECTION	DESCRIPTION
	800000	11 EACH		ADJUST HANDHOLE TO GRADE
	862102	3,400 L.F.	815	F & I SAWCUT FOR SIGNAL (LOOP DETECTOR)
	805160	420 L.F.	805	F & I 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
	800000	40 L.F.	805	F & I 2" PVC SCHEDULE 80 PVC CONDUIT - TRENCHED
	800000	2 EACH	805	F & I 2" PVC SCHEDULE 80 PVC COUPLING
	811001	2 EACH	811	F & I ELECTRICAL HANDHOLE
	862101	12,360 L.F.	810	F & I LOOP WIRE ENCASED IN FLEXIBLE TUBING
	800000	L.S.		PULL BACK EXISTING 2-CONDUCTOR (ALUMINUM SHIELDED) CABLE THROUGH THROUGH EXISTING CONDUIT, AND THEN LATER PULL IT BACK THROUGH
	800000	L.S.		PULL BACK EXISTING INTECONNNECT CABLE FROM CONTROLLER CABINET & REINSTALL CABLE ONCE NEW UTILITY POLE HAS BEEN INSTALLED BACK TO CONTROLLER CABINET

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

MARYLAND DOT - STATE HIGHWAY ADMIISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 140 From Ritters La./Enchanted Hills Rd. To Chartley Rd.

DATE: November 15, 1994

DRAWN BY: J. Dirndorfer	F.A.P. NO.:	PLAN SHEET NO.	SHEET NO.
DES. BY: J. Dirndorfer	S.H.A. NO.: B-156-501-485		
CHECK BY:			
SCALE: NO SCALE	COUNTY: BALTIMORE	TS-2023 A	OF

01101101 d:\ddr\ddr1.dgn 120 1999 08 26 09:00