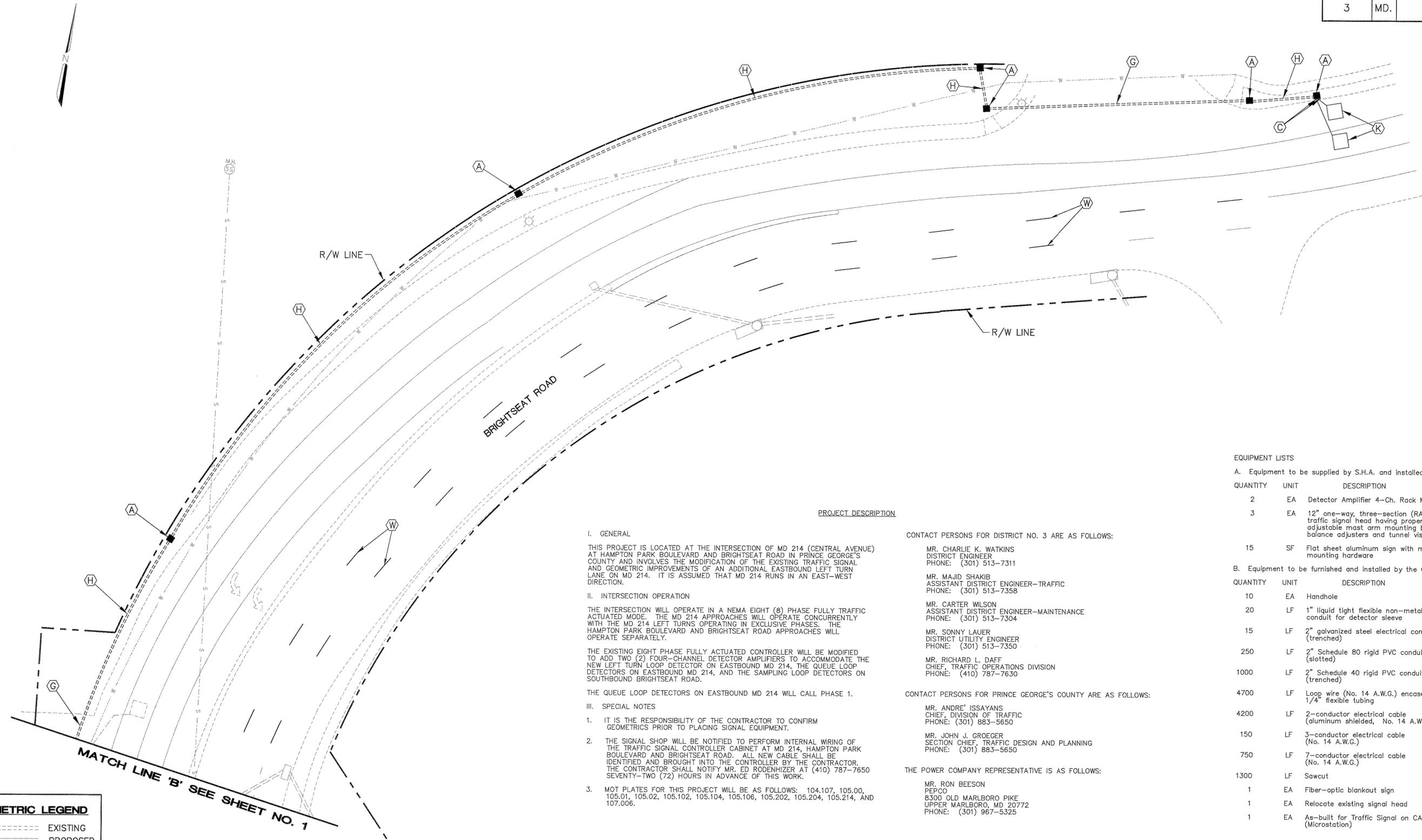


FHWA REGION NO	STATE	FED. AID PROJ. NO	SHEET NO.	TOTAL SHEETS
3	MD.	N/A	3	4



PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT IS LOCATED AT THE INTERSECTION OF MD 214 (CENTRAL AVENUE) AT HAMPTON PARK BOULEVARD AND BRIGHTSEAT ROAD IN PRINCE GEORGE'S COUNTY AND INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL AND GEOMETRIC IMPROVEMENTS OF AN ADDITIONAL EASTBOUND LEFT TURN LANE ON MD 214. IT IS ASSUMED THAT MD 214 RUNS IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA EIGHT (8) PHASE FULLY TRAFFIC ACTUATED MODE. THE MD 214 APPROACHES WILL OPERATE CONCURRENTLY WITH THE MD 214 LEFT TURNS OPERATING IN EXCLUSIVE PHASES. THE HAMPTON PARK BOULEVARD AND BRIGHTSEAT ROAD APPROACHES WILL OPERATE SEPARATELY.

THE EXISTING EIGHT PHASE FULLY ACTUATED CONTROLLER WILL BE MODIFIED TO ADD TWO (2) FOUR-CHANNEL DETECTOR AMPLIFIERS TO ACCOMMODATE THE NEW LEFT TURN LOOP DETECTOR ON EASTBOUND MD 214, THE QUEUE LOOP DETECTORS ON EASTBOUND MD 214, AND THE SAMPLING LOOP DETECTORS ON SOUTHBOUND BRIGHTSEAT ROAD.

THE QUEUE LOOP DETECTORS ON EASTBOUND MD 214 WILL CALL PHASE 1.

III. SPECIAL NOTES

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM GEOMETRICS PRIOR TO PLACING SIGNAL EQUIPMENT.
- THE SIGNAL SHOP WILL BE NOTIFIED TO PERFORM INTERNAL WIRING OF THE TRAFFIC SIGNAL CONTROLLER CABINET AT MD 214, HAMPTON PARK BOULEVARD AND BRIGHTSEAT ROAD. ALL NEW CABLE SHALL BE IDENTIFIED AND BROUGHT INTO THE CONTROLLER BY THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY MR. ED RODENHIZER AT (410) 787-7650 SEVENTY-TWO (72) HOURS IN ADVANCE OF THIS WORK.
- MOT PLATES FOR THIS PROJECT WILL BE AS FOLLOWS: 104.107, 105.00, 105.01, 105.02, 105.102, 105.104, 105.106, 105.202, 105.204, 105.214, AND 107.006.

CONTACT PERSONS FOR DISTRICT NO. 3 ARE AS FOLLOWS:

- MR. CHARLIE K. WATKINS
DISTRICT ENGINEER
PHONE: (301) 513-7311
- MR. MAJID SHAKIB
ASSISTANT DISTRICT ENGINEER-TRAFFIC
PHONE: (301) 513-7358
- MR. CARTER WILSON
ASSISTANT DISTRICT ENGINEER-MAINTENANCE
PHONE: (301) 513-7304
- MR. SONNY LAUER
DISTRICT UTILITY ENGINEER
PHONE: (301) 513-7350
- MR. RICHARD L. DAFF
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

CONTACT PERSONS FOR PRINCE GEORGE'S COUNTY ARE AS FOLLOWS:

- MR. ANDRE' ISSAYANS
CHIEF, DIVISION OF TRAFFIC
PHONE: (301) 883-5650
- MR. JOHN J. GROEGER
SECTION CHIEF, TRAFFIC DESIGN AND PLANNING
PHONE: (301) 883-5650

THE POWER COMPANY REPRESENTATIVE IS AS FOLLOWS:

- MR. RON BEESON
PEPCO
8300 OLD MARLBORO PIKE
UPPER MARLBORO, MD 20772
PHONE: (301) 967-5325

EQUIPMENT LISTS

A. Equipment to be supplied by S.H.A. and installed by the Contractor.

QUANTITY	UNIT	DESCRIPTION
2	EA	Detector Amplifier 4-Ch. Rack Mount
3	EA	12" one-way, three-section (RA, YA, GA) traffic signal head having proper adjustable mast arm mounting bracket, balance adjusters and tunnel visors
15	SF	Flat sheet aluminum sign with mast arm mounting hardware

B. Equipment to be furnished and installed by the Contractor.

QUANTITY	UNIT	DESCRIPTION
10	EA	Handhole
20	LF	1" liquid tight flexible non-metallic conduit for detector sleeve
15	LF	2" galvanized steel electrical conduit (trenched)
250	LF	2" Schedule 80 rigid PVC conduit (slotted)
1000	LF	2" Schedule 40 rigid PVC conduit (trenched)
4700	LF	Loop wire (No. 14 A.W.G.) encased in 1/4" flexible tubing
4200	LF	2-conductor electrical cable (aluminum shielded, No. 14 A.W.G.)
150	LF	3-conductor electrical cable (No. 14 A.W.G.)
750	LF	7-conductor electrical cable (No. 14 A.W.G.)
1300	LF	Sawcut
1	EA	Fiber-optic blankout sign
1	EA	Relocate existing signal head
1	EA	As-built for Traffic Signal on CAD (Microstation)

GEOMETRIC LEGEND

-----	EXISTING
-----	PROPOSED

UTILITY LEGEND

— G — G —	GAS MAIN
— W — W —	WATER MAIN
— S — S —	SEWER MAIN
=====	STORM DRAIN
— TV — TV —	CABLE TELEVISION
— E — E —	ELECTRIC CABLES
— T — T —	TELEPHONE CABLES
— A — A —	AERIAL CABLES

REVISION 'G'
A/E GROUP, INC.
 ENGINEERS • PLANNERS
 11409 Cronhill Drive
 Owings Mills, Maryland 21117
 A/E Job No. 96-316

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

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
 TRAFFIC ENGINEERING DESIGN DIVISION SIGNAL # 16021403.26

DRAWN BY: _____
 DES. BY: _____
 CHK. BY: S. RENZI

MD 214 (CENTRAL AVE.) AT HAMPTON PARK BLVD. AND BRIGHTSEAT RD.

GENERAL INFORMATION COUNTY: PRINCE GEORGE'S

DATE: _____ F.A.P. NO. _____ TS/STD. NO. _____
 SCALE: 1" = 20' S.H.A. NO. BW962M82 **1398G-GI** SHEET NO. 3 OF 4