

**PROJECT DESCRIPTION**

**I. General**  
This portion of the project involves the installation of a temporary traffic control signal at the intersection of MD 100 and Centre Park Drive in Howard County, Maryland. The work shall be conducted in conjunction with the construction of MD 100. MD 100 is assumed to run in a east-west direction.

**II. Intersection Operation**  
No change to the existing intersection operation is necessary.

**III. Special Notes**  
1. The following contact persons for District #7 are as follows:

Mr. Robert Fisher  
District Engineer  
(301) 694-2145

Mr. John Concannon  
Asst. District Engineer - Traffic  
(301) 694-2592

Mr. Jim Brown  
Utility Engineer  
(301) 694-2025

Mr. Richard Daff  
Chief, Traffic Operations Division  
(410) 787-7630

Mr. Leon King  
Asst. District Engineer - Maintenance  
(301) 694-1966

2. Maintenance of traffic will be handled by the contractor utilizing the following standard plates for traffic control: 105.00, 105.01, 105.02, 105.03, 105.101, 105.103, 105.105, 105.107, 105.109.

**EQUIPMENT LIST (CON'T)**

**B. Equipment to be furnished and/or installed by the Contractor.**

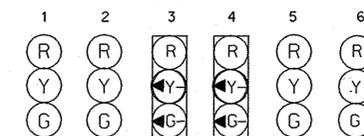
Item No.	Quantity	Units	Specification Section	Description
	5.0	CY	801	Furnish and install concrete for signal foundation.
	1	EA	804	Furnish and install 3/4" x 10 ft. ground rod.
	515	LF	805	Furnish and install 2 in. schedule 40 rigid PVC conduit - Trenched.
9	<del>205</del> 125	LF	SP/805	Furnish and install 3 in. schedule 80 rigid PVC conduit - Trenched
9	<del>20</del> 210	LF	805	Furnish and install 3 in. schedule 80 rigid PVC conduit - slotted.
9	<del>70</del> 55	LF	805	Furnish and install 1 in. liquid tight flexible non-metallic conduit for detector wire sleeve.
	1	EA	806	Furnish and install 250 Watt high pressure sodium lamp and luminaire with photo cell.

**EQUIPMENT LIST (CON'T)**

**B. Equipment to be furnished and/or installed by the Contractor.**

Item No.	Quantity	Units	Specification Section	Description
	9	1	X EA	SP. Removal and disposal of existing traffic signal equipment.
	9	1	X EA	SP. Remove and salvage of traffic signal equipment
	9	1	X EA	SP. Delivery of salvaged traffic signal equipment consisting of:
	1	EA		Controller and Cabinet - base mount

**PHASING SEQUENCE CHART**



PHASE	1	2	3	4	5	6	Diagram
PHASE 2	G	G	FL/R	FL/R	R	R	↔
PHASE 2 CLEAR	Y	Y	FL/R	FL/R	R	R	↔
PHASE 3	R	R	←G	←G	R	R	↔
PHASE 3 CLEAR	R	R	←Y	←Y	R	R	↔
PHASE 4	R	R	R	R	G	G	↔
PHASE 4 CLEAR	R	R	R	R	Y	Y	↔
FLASHING OPERATION	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	⚡

**EQUIPMENT LIST**

**A. Equipment to be supplied by the Administration and Installed by the Contractor**

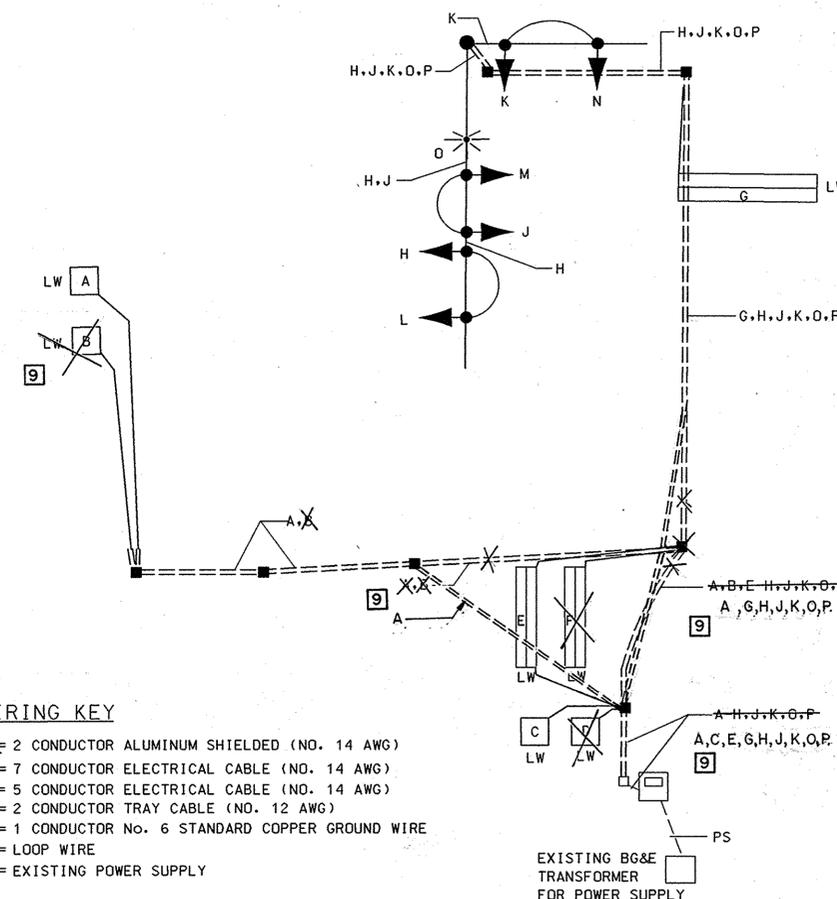
Item No.	Quantity	Units	Specification Section	Description
	2	EA	814	12 in. 1 way 3 section (R,Y,G) optically programmed signal head - mast arm mount.
	4	EA	814	12 in. 1 way 3 section (R,Y,G) signal head - mast arm mount.
9	<del>7</del> 79.5	SF	813	Sheet aluminum signs consisting of:
	1	EA	-	R3-5(L), (30 in. x 36 in.) "Only" left turn arrow sign - mast arm mount.
9	+ 2	EA	-	R3-5(R), (30 in. x 36 in.) "Only" right turn arrow sign - mast arm mount.
	2	EA		D3-2 (VAR. x 16 in.) "Centre Park Drive" sign - mast arm mount
	1	EA		M2-1 (21" x 15") "JCT" sign - ground mount
	1	EA		M1-6 (24" x 24") "MD 100" sign - ground mount
	1	EA		R10-6C. (36" x 60") "PROCEED ON FLASHING RED AFTER STOP" - mast arm mount.
9	-2	EA		<del>R3-5a (MOD) (60" x 36") direction arrows ground mounted.</del>

**EQUIPMENT LIST**

**B. Equipment to be furnished and/or installed by the Contractor.**

Item No.	Quantity	Units	Specification Section	Description
	1	EA	206	Test Pit excavation.
	180	LF	555	Furnish and install 6 in. white preformed permanent pavement marking tape
	75	LF	555	Furnish and install 12 in. white permanent preformed pavement marking tape.
	70	LF	555	24 in. white permanent preformed pavement marking tape.

**WIRING DIAGRAM**



**WIRING KEY**

- X = 2 CONDUCTOR ALUMINUM SHIELDED (NO. 14 AWG)
- H, J, K = 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- L, M, N = 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- O = 2 CONDUCTOR TRAY CABLE (NO. 12 AWG)
- P = 1 CONDUCTOR NO. 6 STANDARD COPPER GROUND WIRE
- LW = LOOP WIRE
- PS = EXISTING POWER SUPPLY

SIG-2 TEMPORARY SIGNAL #1 PHASE IV-A

REVISIONS	APPROVALS
	ASST. DIV. CHIEF, SIGNAL DESIGN SECTION
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DEPUTY CHIEF ENGINEER, OFFICE OF TRAFFIC

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

ORIGINAL DRAWN BY ROB CICCHINI  
DES. BY SCOTT CHERNACK  
CHK. BY Bruce Thompson 11-7-96

**MD 100 AT CENTRE PARK DRIVE**  
GENERAL INFORMATION SHEET 1 OF 1  
LOG MILE 130100 COUNTY: HOWARD

DATE: 10/96 F.A.P. NO. SEE TITLE SHEET TS/FILE NO. 413  
SCALE: HO-661-502-770 S.H.A. NO. HO-661-502-770 SHEET NO. 413 OF 529

FILE NAME: PROJECTS\881002\CON SIGNAL PHASE I\CONSTRUCTION