PROJECT DESCRIPTION

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THIS PROJECT INVOLVES GEOMETRIC IMPROVEMENTS TO THE CENTRE PARK DRIVE APPROACH. CENTRE PARK DRIVE SHALL BE WIDENED TO PROVIDE SEPARATE LEFT-TURN, THROUGH, AND RIGHT-TURN LANES. AS A RESULT OF THE WIDENING, THE MD 108/CENTRE PARK DRIVE SIGNAL SHALL BE UPGRADED WITH NEW PRESENCE AND ADVANCE VEHICLE DETECTORS ALONG CENTRE PARK DRIVE, AND A NEW CONDUIT RUN PARALLEL TO CENTRE PARK DRIVE. THE NEW CONDUIT RUNS AND ASSOCIATED HANDHOLES SHALL REQUIRE THE SIGNALS IN THE NORTH-EAST AND NORTH-WEST QUADRANTS OF THE INTERSECTION TO BE REWIRED, ALONG WITH THE PEDESTAL MOUNTED SIGNAL IN THE CENTRE PARK DRIVE MEDIAN.

INTERSECTION OPERATION

INTERSECTION OPERATION SHALL REMAIN THE SAME AS EXISTING CONDITIONS.

CONTROLLER REQUIREMENTS

ALL PROPOSED SIGNAL HEAD WIRING SHALL BE BROUGHT BACK TO THE EXISTING CONTROLLER CABINET.

EQUIPMENT LIST "A"

A. Equipment to be Furnished by the Adminstration

NONE

EQUIPMENT LIST "B"

B. Eqipment to be Furnished and/or installed by the Contractor

Specification Number	Quantity		Description
	3 EA	F & I	Microloop Probe, 500 FT lead in Cable
	120 LF	F & I	4 Inch Schedule 80 Rigid PVC Conduit - Trenched
	550 LF	F & I	No. 6 AWG Stranded Bare Copper Ground Wire
	60 LF	F & I	4 Inch Schedule 80 Rigid PVC Conduit - Slotted
	3 EA	F & I	Electrical Handhole
	380 LF	F & I	Electrical Cable - 5 Conductor (No. 14 AWG)
	900 LF	F & I	Electrical Cable - 7 Conductor (No. 14 AWG)
	400 LF	F & I	Electrical Cable - 2 Conductor (No. 14 AWG)
	750 LF	F & I	Electrical Cable- 2 Conductor (No. 14 AWG-Aluminum Shielded)
	1400 LF	F & I	Loop Wire Encased in Flexible Tubing (No. 14 AWG)
	600 LF	F & I	Saw Cut for Signal (Loop Detector)
	8 SF	F & I	Aluminum Sign- Mast Arm Mounted
	190 LF	F & I	Electrical Cable- 3 Conductor (No. 14 AWG)
	95 LF	F & I	4 Inch Schedule 80 Rigid PVC Conduit - Bored

EQUIPMENT LIST "C"

C. IEquipment to be Removed and Discarded

NONE

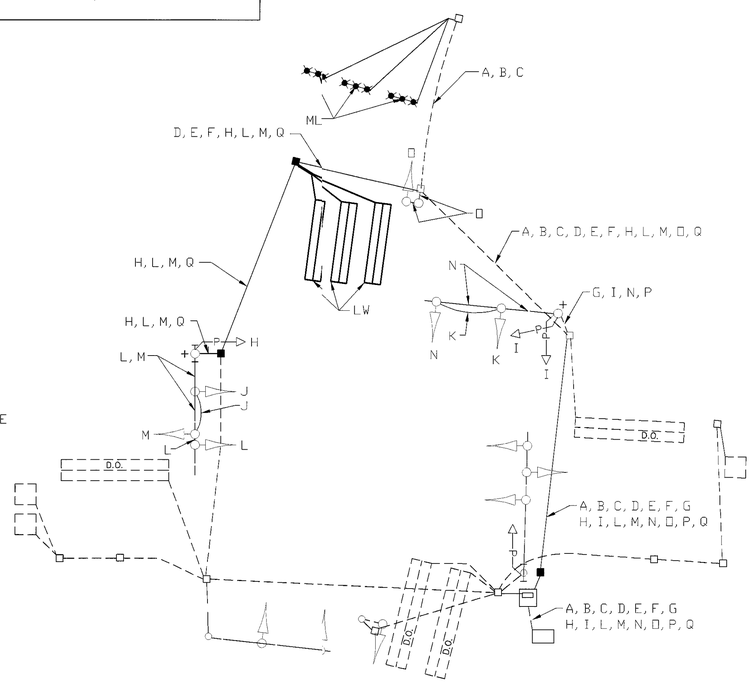
EQUIPMENT LIST "D"

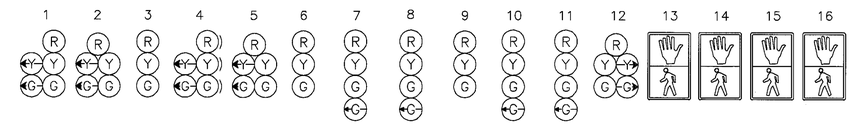
D. IEquipment that is to be returned to the Administration

NONE

WIRING KEY

A, B, C	MICRO-LOOP PROBE LEAD-IN
D, E, F,	2-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG-ALUMINUM SHIELDED)
G	2-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
H	3-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
I, J, K	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
L, M, N, O	7-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
P, Q	STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
ML	MICRO LOOP
LW	LOOP WIRE (NO. 14 AWG)
+	3/4 IN. X 10 FT. GROUND ROD





	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PHASE 1 & 5	←G	←G	R	←G	←G	R	R	R	R	R	R	G→				
1 & 5 CHANGE	←Y	←Y	R	←Y	←Y	R	R	R	R	R	R	Y→				
PHASE 1 & 6	←G G	←G G	G	R	R	R	R	R	R	R	R	G→				
1 & 6 CHANGE	←Y Y	←Y Y	Y	R	R	R	R	R	R	R	R	Y→				
PHASE 2 & 5	R	R	R	←G G	←G G	G	R	R	R	R	R	R				
PED. CLEAR	R	R	R	←G G	←G G	G	R	R	R	R	R	R	FL	FL		
2 & 5 CHANGE	R	R	R	←Y Y	←Y Y	Y	R	R	R	R	R	R				
PHASE 2 & 6	G	G	G	G	G	G	R	R	R	R	R	R				
PED. CLEAR	G	G	G	G	G	G	R	R	R	R	R	R	FL	FL		
2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R				
PHASE 3	R	R	R	R	R	R	G ←G	G ←G	G	R	R	R				
3 CHANGE	R	R	R	R	R	R	Y	Y	Y	R	R	R				
PHASE 3 ALT	R	R	R	R	R	R	G ←G	G ←G	G	R	R	R				
PED. CLEAR	R	R	R	R	R	R	G ←G	G ←G	G	R	R	R			FL	FL
3 ALT. CHANGE	R	R	R	R	R	R	Y	Y	Y	R	R	R				
PHASE 4	R	R	R	R	R	R	R	R	R	G ←G	G ←G	G				
4 CHANGE	R	R	R	R	R	R	R	R	R	Y	Y	Y				
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK

DWG. NO. C-18

REVISION G CONSULTANT

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BALTIMORE, MD. 21286
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MARYLAND DOT – STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
MD 108 AND PHELPS LUCK DRIVE/
CENTRE PARK DRIVE

DRAWN BY: G.F.P.	F.A.P. NO.		TS NO. TS-1795C	SHEET NO.
CHECKED BY:	S.H.A. NO.	23855T2507706		
SCALE: 1"=20'	COUNTY:	HOWARD	T.I.M.S. NO. XXX	25 OF 25
DATE: 12/19/80	LOC MILE:			

P:\2001\01037500\DRAWINGS\07-SITE\SHA-2 Traffic signal.dwg