

PROJECT DESCRIPTION

GENERAL
 THIS PORTION OF THE PROJECT INVOLVES THE INSTALLATION OF A HAZARD IDENTIFICATION BEACON (HIB) ON MD 30 (HANOVER PIKE) NEAR THE INTERSECTION OF MD 30 BUSINESS (NORTH) IN CARROLL COUNTY DUE TO THE INSTALLATION OF A ROUNDABOUT. MD 30 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION
 THE HIB WILL OPERATE IN FLASHING MODE WITH FLASHING YELLOW BEACONS ON MD 30 (HANOVER PIKE).

CONTROLLER REQUIREMENTS
 THE HIB WILL CONTAIN A CABINET AND CONTROLLER, SIGNAL HEADS, SIGN, AND POWER SERVICE.

PHONE DROP
 THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT (410) 787-7635 TO ARRANGE FOR THE PHONE DROP LINE INSTALLATION. THE CONTRACTOR IS TO NOTIFY MR. SNYDER WITH THE NEAREST STREET ADDRESS, ZIP CODE AND PHONE NUMBER.

THE CONTACT PERSONS FOR DISTRICT #7 ARE AS FOLLOWS:

Mr. John Concannon
 Assistant District Engineer - Traffic
 Phone: 301-624-8140/8141

Ms. Andrea Abend
 Assistant District Engineer - Utility
 Phone: 301-624-8105/8116

Mr. Raymond Johnson
 Assistant District Engineer - Maintenance
 Phone: 301-624-8105/8106

Mr. Richard L. Daff Sr.
 Chief, Traffic Operations Division
 Phone: 410-787-7630

Mr. Edward Rodenhizer
 Chief, SHA Signal Shop
 Phone: 410-787-7650

The Power Company Representative Is:
 Baltimore Gas & Electric Company
 7317 Parkway Drive South
 Hanover, MD 21076
 Phone: 410-859-9062

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO	QUANTITY	DESCRIPTION
900000	1 EA	CABINET FLASHER POLE MOUNT
973023	20 SF	SHEET ALUMINUM SIGNS
		1 EA - W2-6 (48 IN. x 48 IN.) FY
		1 EA - W13-1 (24 IN. x 24 IN.) FY

EQUIPMENT LIST 'C'

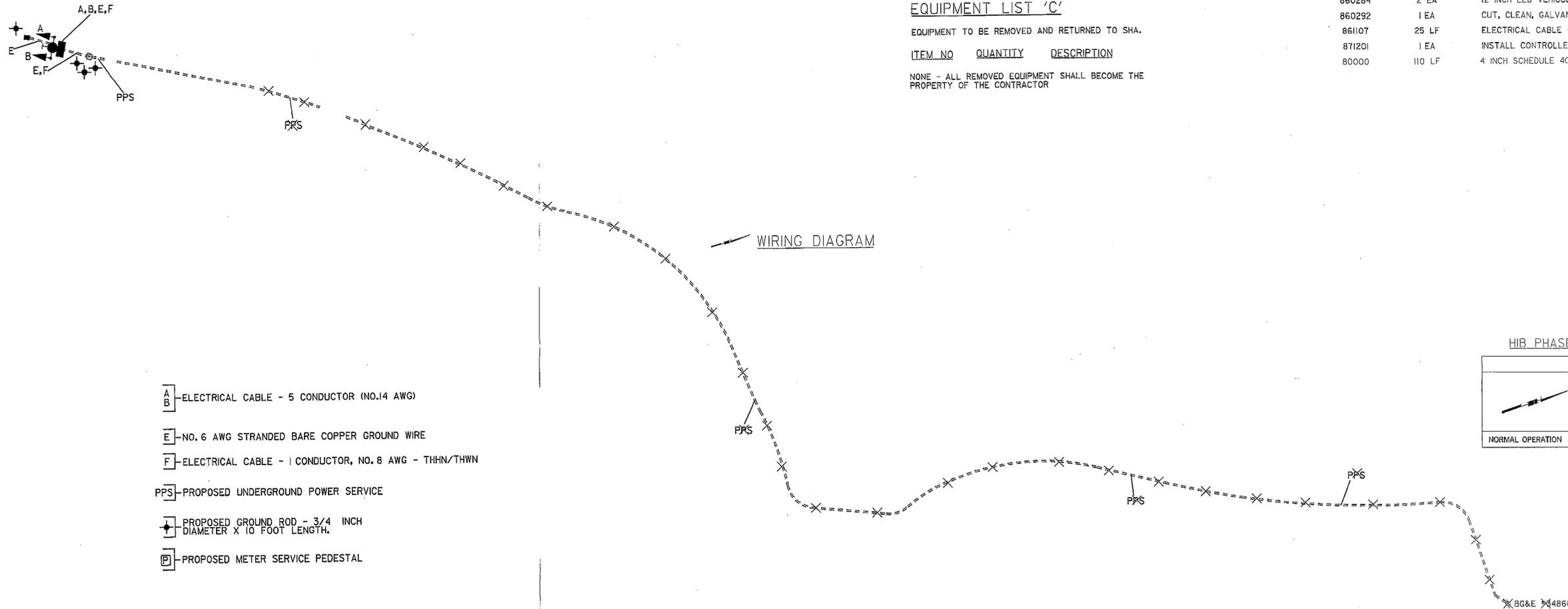
EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

ITEM NO	QUANTITY	DESCRIPTION
		NONE - ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO	QUANTITY	DESCRIPTION
120500	1 LS	MAINTENANCE OF TRAFFIC
203030	1 CY	TEST PIT EXCAVATION
801004	2 CY	CONCRETE FOR SIGNAL FOUNDATION
802501	50 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
805125	40 18X0 LF	2 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
807202	1 EA	METERED SERVICE PEDESTAL
810022	25 LF	ELECTRICAL CABLE - 1 CONDUCTOR NO. 8 AWG - THHN/THWN
811001	1 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
813015	20 SF	INSTALL OVERHEAD SIGN
818006	1 EA	20 FOOT BREAKAWAY PEDESTAL POLE
837001	4 EA	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
860284	2 EA	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
860292	1 EA	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
861107	25 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
871201	1 EA	INSTALL CONTROLLER AND CABINET - POLE MOUNT
80000	110 LF	4 INCH SCHEDULE 40 RIGID PVC ELECTRICAL CONDUIT - TRENCHED



- A** - ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
- B** - NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
- E** - NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
- F** - ELECTRICAL CABLE - 1 CONDUCTOR, NO. 8 AWG - THHN/THWN
- PPS** - PROPOSED UNDERGROUND POWER SERVICE
- +** - PROPOSED GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH.
- ⊞** - PROPOSED METER SERVICE PEDESTAL

HIB PHASE CHART

	1	2
	⊞	⊞
NORMAL OPERATION	FLY	FLY

4/01/08 - FIELD CHANGE



STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION

MD 30 RELOCATED
 FROM SOUTH OF WOLF HILL DRIVE TO NORTH OF HAMPSTEAD
 NORTH TIE-IN HIB INSTALLATION

TRAFFIC SIGNALIZATION PLAN

SCALE: 1" = 40' DATE: 08/2007 CONTRACT NO.: CL4185970

DESIGNED BY: DSU COUNTY: CARROLL
 DRAWN BY: JEH LOGMILE: 0500000.73-062000.30
 CHECKED BY: DSU T.I.M.S. NO.: F407
 F.A.P. NO. ACHP-2921(1007)NAC-NH-107-1(9)N TOD NO.:

TS NO. 4812 DRAWING SG-06 OF 19 SHEET NO. 18 OF 92

BY: jholloway

 WHITNEY CONSULTING ENGINEERS
 BAILEY 849 FAIRMOUNT AVENUE
 COX SUITE 100
 MAGNANI BALTIMORE, MD 21286
 (410) 512-4500