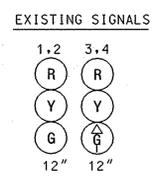
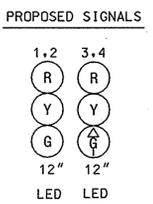
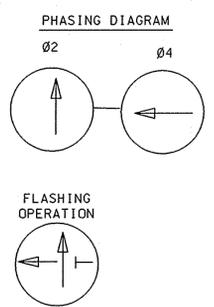


MD 175 IS CONSIDERED TO RUN IN AN EAST WEST DIRECTION.

PROJECT DESCRIPTION
 THIS PROJECT INVOLVES THE INSTALLATION OF A BATTERY BACKUP SYSTEM FOR THIS INTERSECTION. ADDITIONALLY, ALL OF THE EXISTING SIGNAL HEADS WILL BE UPGRADED TO LED SIGNAL HEADS.



** ALL EXISTING SIGNAL HEADS ARE TO BE REPLACED IN KIND WITH LED SIGNAL HEADS

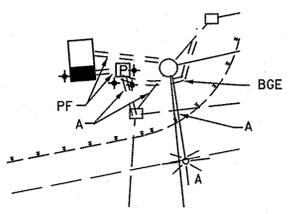


DIMENSION NOTE
 CABINET AND PEDESTAL LOCATIONS SHALL BE AS MARKED IN THE FIELD.

CONSTRUCTION DETAILS

- A. INSTALL NEMA SIZE 6 BASE MOUNTED CABINET WITH BATTERY BACKUP SYSTEM
- B. INSTALL METERED SERVICE PEDESTAL
- C. REPLACE EXISTING TRAFFIC SIGNAL HEAD WITH LED SIGNAL HEAD
- D. INSTALL 2" SCH 80 RIGID PVC CONDUIT-TRENCHED
- E. EXISTING POWER FEED TO BE EXTENDED TO NEW SERVICE PEDESTAL. INSTALL 4" STUB OUT FROM PEDESTAL FOR SERVICE
- F. LOCATE EXISTING SPARE 2" CONDUIT BEND AND USE FOR NEW SERVICE FEED FROM PROPOSED BATTERY BACKUP

WIRING DIAGRAM



PF 1-CONDUCTOR #4AWG
 A 2-CONDUCTOR #12 TRAY CABLE
 BGE TO EXTEND EXISTING SERVICE TO NEW PEDESTAL

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

ITEM #	QUANTITY	ITEM DESCRIPTION
9000	1 EA	NEMA SIZE 6 BASE MOUNTED CABINET-NON STOCK

B. EQUIPMENT TO BE SUPPLIED AND/OR INSTALLED BY THE CONTRACTOR

ITEM #	QUANTITY	ITEM DESCRIPTION
2002	1 CY	TEST PIT EXCAVATION
8003	8 EA	F&I 12" RED OR GREEN LED SIGNAL HEAD SECTION
8004	4 EA	F&I 12" YELLOW LED SIGNAL HEAD SECTION
8027	1 EA	REMOVE AND DISPOSE MATERIAL-PER ASSIGNMENT
8041	50 LF	F&I #6 STRANDED BARE COPPER GROUND WIRE
8050	25 LF	F&I 2" SCH 80 RIGID PVC CONDUIT-TRENCHED
8057	1 EA	F&I EMBEDDED METERED SERVICE PEDESTAL
8059	75 LF	F&I ELECTRICAL CABLE 1-CONDUCTOR #4 AWG-THHN/THWN
8087	4 EA	F&I 3/4" DIAMETER X 10' LENGTH GROUND ROD
8120-A	1 EA	F&I UPS SYSTEM-CLARY

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

WB MD 175 @ I-95 RAMPS

APPROVALS	REVISIONS	SCALE	DATE	CONTRACT NO.
TEAM LEADER ASST. DIV. CHIEF DIVISION CHIEF OFFICE DIRECTOR	© INSTALL BATTERY BACKUP SYSTEM, UPGRADE HEADS TO LED'S AT205185 STAR PROJ. AUGUST 2006 CJS B. INSTALL VIDEO DETECTION SHA #AT3085185 4/1/5/04 SWA MAR DAZ DAZ/BK A. RECONSTRUCT SIGNAL TO UPDATE DESIGN AND ELIMINATE HAZARDS 10/10/99 CN/MCE DAZ ETP TH	1:20	9-27-71	HO-421X-775
		DESIGNED BY	WF FITCH	COUNTY
		DRAWN BY	WF FITCH	HOWARD
		CHECKED BY	J. SPENCE	LOGMILE
		FAP NO.		13017502.12
		TS NO.	192C	TMS NO.
		DRAWING	-	TOD NO.
		OF		
		SHEET NO.		
		OF		

PLOTTED: Thursday, August 17, 2006 at 2:44:41 PM
 FILE: MD 175 @ I-95 Ramps.dgn

BY: cstrain