

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION TO THE EXCLUSIVE LEFT TURN SIGNAL HEAD DISPLAY FOR THE EXISTING TRAFFIC CONTROL SIGNAL LOCATED AT THE INTERSECTION OF MD 45 (YORK RD) AND BURKE AVENUE IN BALTIMORE COUNTY.

MD 45 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA (6) SIX PHASE, FULL-TRAFFIC-ACTUATED MODE, WITH A SINGLE EXCLUSIVE LEFT TURN FOR THE SOUTHBOUND MOVEMENT AND DOUBLE EXCLUSIVE LEFT TURNS FOR THE NORTHBOUND MOVEMENT. MD 45 THROUGH MOVEMENTS SHALL OPERATE CONCURRENTLY WITH A CONCURRENT PEDESTRIAN MOVEMENTS CROSSING THE EAST-WEST LEGS OF MD45. THE SIDE STREETS OPERATE ON A SPLIT PHASE, WITH A PUSHBUTTON ACTUATED PEDESTRIAN MOVEMENT CROSS THE SOUTH LEG OF THE INTERSECTION.

AN EXISTING NEMA EIGHT- PHASE, FULL-TRAFFIC-ACTUATED CONTROLLER, HOUSE IN POLE-MOUNTED CABINET IS LOCATED AT THIS INTERSECTION. THE EXISTING PHASING SHALL REMAIN THE SAME THE OVERHEAD SERVICE SHALL REMAIN.

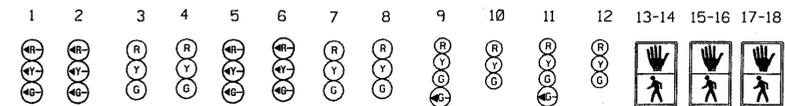
EQUIPMENT LISTS

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A. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE SHA

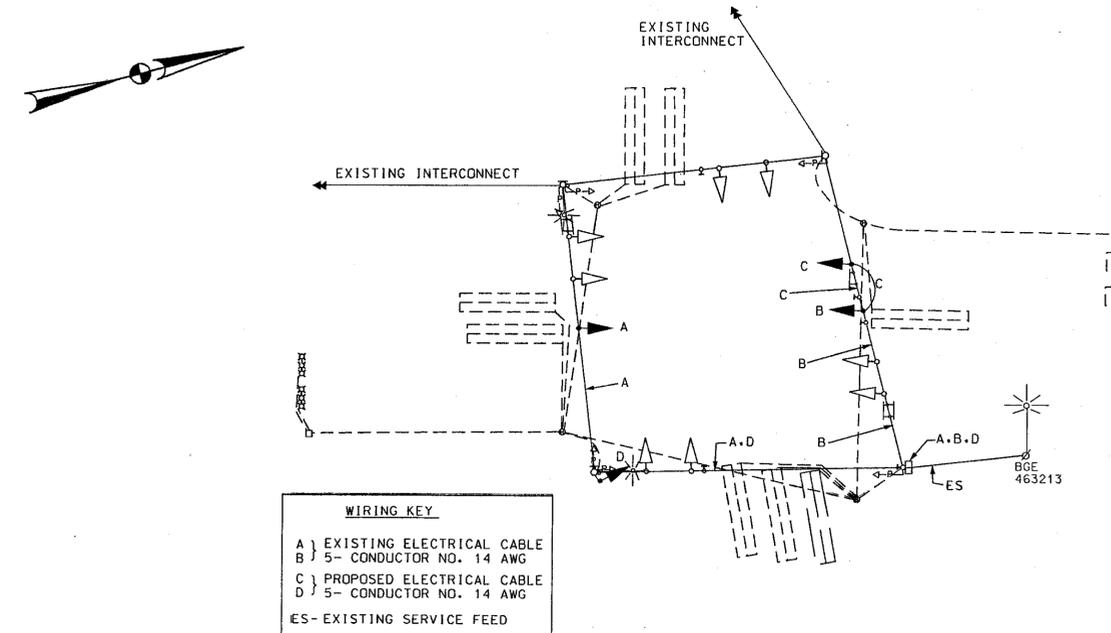
ITEM	QUANTITY	EA	DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC
9000	1	EA	REMOVE & DISPOSE OF MATERIALS AND EQUIPMENT
9000	155	LF	5-CONDUCTOR NO. 14 AWG ELECTRICAL CABLE
9006	12	EA	12 IN VEHICULAR TRAFFIC SIGNAL HEAD SECTION

PHASE CHART



Phase 1&5	←G-	←G-	R	R	←G-	←G-	R	R	R	R	R	R	DW	DW	DW
Change to phases 1+6 or 2+5 or 2+6															
Phase 1 & 6	←G-	←G-	G	G	←R-	←R-	R	R	R	R	R	R	DW	DW	DW
1 change	←Y-	←Y-	G	G	←R-	←R-	R	R	R	R	R	R	DW	DW	DW
Phase 2&5	←R-	←R-	R	R	←G-	←G-	G	G	R	R	R	R	DW	DW	DW
5 change	←R-	←R-	R	R	←Y-	←Y-	G	G	R	R	R	R	DW	DW	DW
Phase 2 & 6	←R-	←R-	G	G	←R-	←R-	G	G	R	R	R	R	WK	WK	DW
PED-CLEARANCE	←R-	←R-	G	G	←R-	←R-	G	G	R	R	R	R	FL/DW	FL/DW	DW
2 & 6 change	←R-	←R-	Y	Y	←R-	←R-	Y	Y	R	R	R	R	DW	DW	DW
Phase 3	←R-	←R-	R	R	←R-	←R-	R	R	R	R	R	R	DW	DW	DW
3 change	←R-	←R-	R	R	←R-	←R-	R	R	R	R	R	R	DW	DW	DW
Phase 4 ALT	←R-	←R-	R	R	←R-	←R-	R	R	R	R	R	R	DW	DW	WK
PED-CLEARANCE	←R-	←R-	R	R	←R-	←R-	R	R	R	R	R	R	DW	DW	FL/DW
ALT4 change	←R-	←R-	R	R	←R-	←R-	R	R	R	R	R	R	DW	DW	DW
Phase 4	←R-	←R-	R	R	←R-	←R-	R	R	R	R	R	R	DW	DW	DW
4 change	←R-	←R-	R	R	←R-	←R-	R	R	R	R	R	R	DW	DW	DW
Flashing Operation	FL/RA	FL/RA	FL/Y	FL/Y	FL/RA	FL/RA	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK

WIRING DIAGRAM



WIRING KEY	
A	EXISTING ELECTRICAL CABLE
B	5- CONDUCTOR NO. 14 AWG
C	PROPOSED ELECTRICAL CABLE
D	5- CONDUCTOR NO. 14 AWG
ES	EXISTING SERVICE FEED

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
 GENERAL INFORMATION SHEET
MD 45 (York Rd) AND BURKE AVENUE

CENTURY ENGINEERING, INC.
 CONSULTING ENGINEERS - PLANNERS
 32 WEST ROAD
 TOWSON, MARYLAND 21204

DRAWN BY: EMM	F.A.P. NO.	TS NO. 42708	SHEET NO. 2 OF 2
CHECKED BY:	S.H.A. NO. SHOP FORCES	T.I.M.S. NO.	
SCALE: NONE	COUNTY: BALTIMORE		
DATE: 03/14/05	LOG MILE: 03004501.60		