PROJECT DESCRIPTION

I. GENERAL

This project involves adding a third signal head E.B U.S 50.
U.S 50 is assumed to run in a east - west direction.

II. INTERSECTION OPERATION

1. The intersection is to operate in a NEMA six-phase, full-actuated mode, with the US 50 approaches continuing to run concurrently. Exclusive left turn phases shall be provided for both approaches of US 50. The MD 213 approaches shall continue to run as a side street split phase. A pre emption phase for southbound MD 213 shall be maintained. A pre emption phase for east and westbound US 50 shall be maintained.

III. SPECIAL NOTES

1. The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
2. All controller cabinet wiring will be performed by the S.H.A. Signal Shop Contact Mr. Ed Rodenhizer at (410) 787-7650 seventy-two hours in advance of intended work.

The contact persons are as follows:

Mr. Robert Kiel
Assistant District Engineer - Traffic
Phone: (410) 810-3240

Mr. Terry Wright
Assistant District Engineer - Maintenance
Phone: (410) 810-3250

Mr. Barry Clothier
Assistant District Engineer - Utility
Phone: (410) 810-3274

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

Mr. Sonny Bailey
Chief, Sign perations Section
410-787-7670

Mr. Ed Rodenhizer
Chief, Signal Operations Section
410-787-7652

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED THE SHA

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
9000	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	1

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

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
	None		

WIRING KEY

EL - LOOP WIRE (NO. 14 A.W.G.) EXISTING

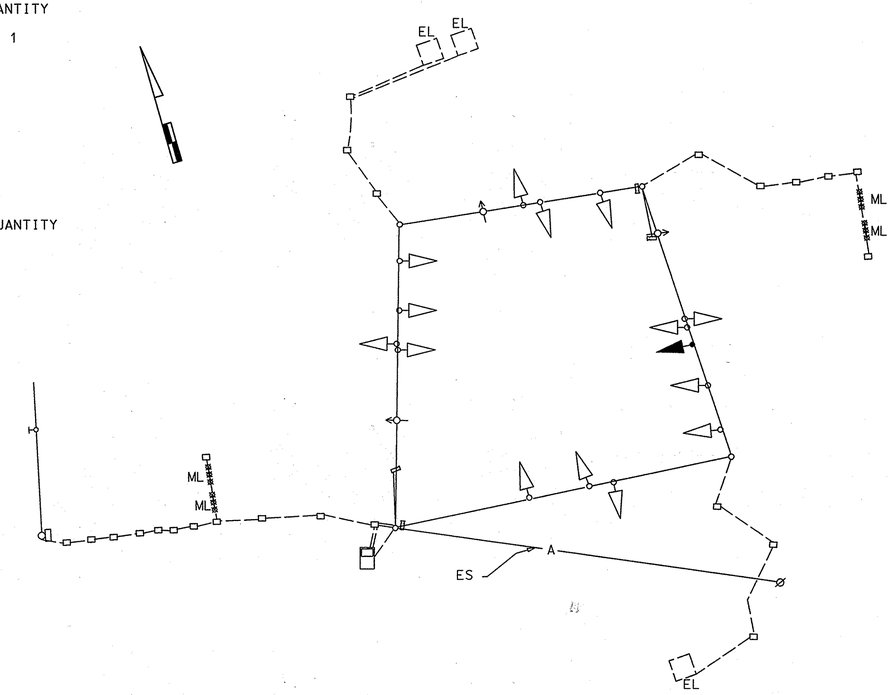
ML - MICRO-LOOP PROBES

ES - EXISTING OVERHEAD SERVICE TO BE MAINTAINED BY CONECTIV

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Phase 1 & 5	G	G	R	R	R	G	G	R	R	R	R	R	R	R	R	
1 & 5 Change to Phase 1 & 6 or Phase 2 & 5 or Phase 2 & 6																
Phase 1 & 6	G	G	G	G	G	R	R	R	R	R	R	R	R	R	R	
1 Change	Y	Y	G	G	G	R	R	R	R	R	R	R	R	R	R	
Phase 2 & 5	R	R	R	R	R	G	G	G	G	R	R	R	R	R	R	
5 Change	R	R	R	R	R	Y	Y	G	G	R	R	R	R	R	R	
Phase 2 & 6	R	R	G	G	G	R	R	G	G	R	R	R	R	R	R	
2 & 6 Change	R	R	Y	Y	Y	R	R	Y	Y	R	R	R	R	R	R	
Phase 3	R	R	R	R	R	R	R	R	R	G G	G G	G	R	R	R	
3 Change	R	R	R	R	R	R	R	R	R	Y	Y	Y	R	R	R	
Phase 4	R	R	R	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	R	R	R	Y	Y	Y	
Preempt 1	R	R	R	R	R	R	R	R	R	G G	G G	R	R	R	R	
Preempt 1 Change	R	R	R	R	R	R	R	R	R	Y	Y	R	R	R	R	
Preempt 2	R	R	G	G	G	R	R	G	G	R	R	R	R	R	R	
Preempt 2 Change	R	R	Y	Y	Y	R	R	Y	Y	R	R	R	R	R	R	
Flashing Operation	FL/R	FL/R	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	

WIRING DIAGRAM



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

US 50 AT MD 213

WYE MILLS, MARYLAND

SCALE NONE DATE 02/20/2008 CONTRACT NO.

DESIGNED BY F. Anuszewski
DRAWN BY F. Anuszewski
CHECKED BY
F.A.P. NO.

COUNTY QUEEN ANNE'S
LOGMILE 17005017.44
T.I.M.S. NO.
TOD NO.

DRAWING NO. 141N - GI OF

SHEET NO. 2 OF 2

PLOTTED: TUESDAY, FEBRUARY 19, 2008 AT 11:21:41 AM
FILE: PGG-P001_US50_REVN.DGN

BY: F.ANUSZEWSKI