

PROJECT DESCRIPTION

I. GENERAL:

THIS PROJECT INVOLVES THE MODIFICATION OF AN EXISTING TRAFFIC CONTROL SIGNAL WITH INTERCONNECT AT THE INTERSECTION OF US 1 (WASHINGTON BLVD.) AND GORMAN RD. IN HOWARD COUNTY. A US 1 SOUTHBOUND RIGHT TURN OVERLAP PHASE BE INSTALLED AT THIS LOCATION. US 1 (WASHINGTON BLVD. IS ASSUMED TO RUN A NORTH SOUTH DIRECTION.

II. INTERSECTION OPERATION:

1. The intersection operates a nema phase, fully-actuated mode. With the us 1 (Washington blvd.) approaches continuing to run concurrently. An exclusive left turn phase shall remain for the north bound us 1 (Washington blvd) approach. A right turn concurrent phase shall now be provided for southbound us 1 approach. The Gorman rd approach shall continue to run in its own phase.
2. The existing full traffic actuated, eight phase controller with all necessary equipment housed in nema size '5' pole mounted cabinet shall be utilized at this intersection.

III. GENERAL 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 S.H.A. Signal shop contact Mr. Ed. Rodenhizer at (410) 787-7650) Seventy two hours in advance of intended work.
3. All underground and overhead utilities shown at these plans are schematic only and may not be complete. The contractor shall be responsible for notifying miss utility prior of construction so that all the utilities may be found in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediatly so that the conflict may be resolved.
4. Contractor shall remove all unused wiring from this intersection.

PROJECT CONTACTS

THE CONTACT PERSONS FOR THE SHA ARE AS FOLLOWS:

MR. JOHN CONCANNON ASSISTANT DISTRICT ENGINEER-TRAFFIC PHONE: (301) 624-8141	MR. EDWARD RODENHIZER CHIEF, SIGNAL OPERATIONS SECTION PHONE: 410-787-7652
MR. Raymond Johnson ASSISTANT DISTRICT ENGINEER- MAINTENANCE PHONE: (301) 624-8141	MR. SONY BAILEY SIGN SHOP PHONE: 410-787-7670
Ms. ANDREA ABEND DISTRICT UTILITY ENGINEER PHONE: (301) 624-8110	

EQUIPMENT LIST "A"

- A. EQUIPMENT TO BE SUPPLIED BY SHA AND INSTALLED BY THE CONTRACTOR.
There is no equipment to be supplied by SHA

EQUIPMENT LIST "B"

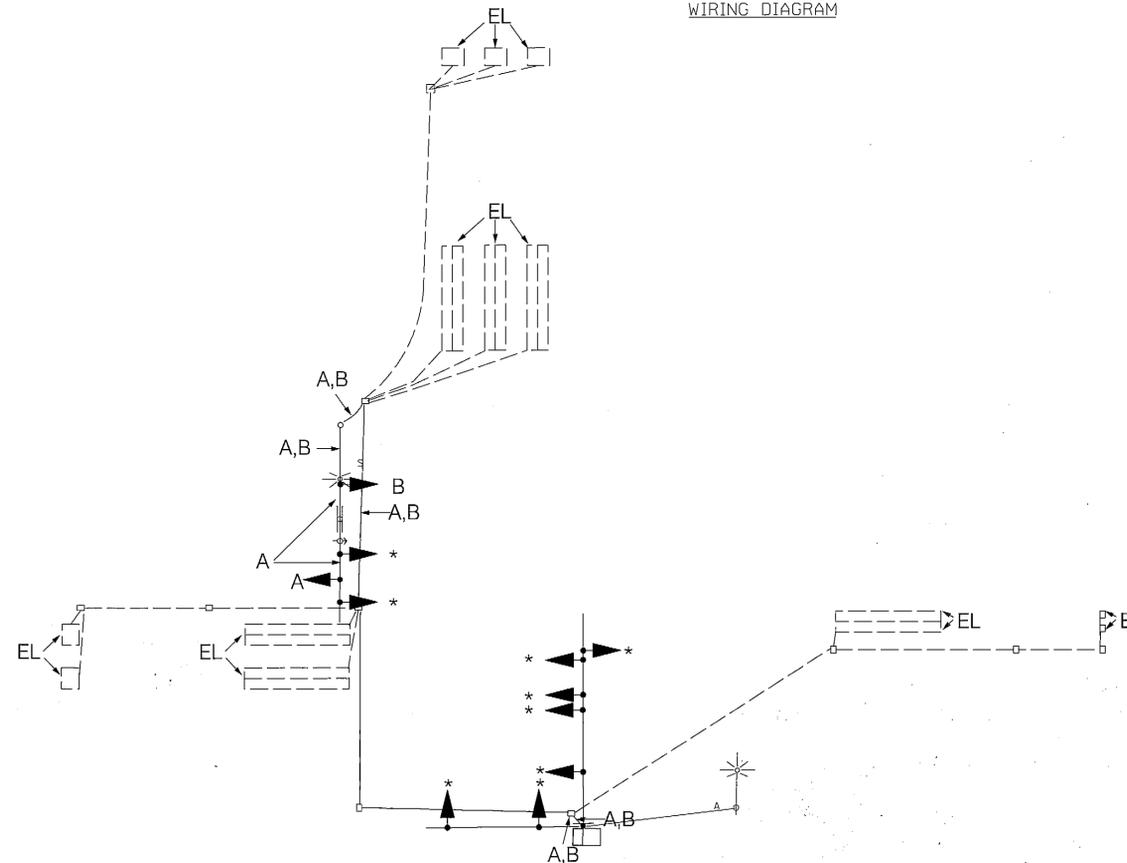
- B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
8001	14 EA	12 INCH RYG LED SIGNAL HEAD
8015	21 EA	LED SIGNAL HEAD MODULES (ANY SIZE)
8016	1 EA	REMOVE AND DISPOSE OF EXISTING EQUIPMENT- PER ASSIGNMENT
8058	470 LF	ELECTRICAL CABLE - 7 CONDUCTOR NO 14 AWG

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	
Phase 1 + 5	←R	←R	←R	R	R	⊗	⊗	R	R	R	R	↻
CHANGE TO PHASE 1 + 6 OR 2 + 5												
Phase 2 + 6	←R	←R	←R	G	G	⊗	⊗	G	G	R	R	←
2 + 6 Change	←R	←R	←R	Y	Y	⊗	⊗	Y	Y	R	R	→
Phase 4	←R	←R	←R	R	R	⊗	⊗	R	-G>	G	G	↻
PHASE 4 Change	←R	←R	←R	R	R	⊗	⊗	R	-Y>	Y	Y	↻
Fashing operation	FL/R	⊕										
Pre-empt	R	R	R	R	R	⊗	⊗	G	G	R	R	↻

WIRING DIAGRAM



WIRING KEY

- A, B - 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- * - USE EXISTING WIRING
- EL - EXISTING LOOP WIRE

TOD NO: XX449-32
SHA NO: HQ441A53/B53
US 1 @ GORMANS RD

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 1 AND GORMAN ROAD

GENERAL INFORMATION

SCALE NONE ADVERTISED DATE MAY 2009 CONTRACT NO. XX4495185
 DESIGNED BY Y.A. COUNTY Howard
 DRAWN BY Y.A. LOGMILE 13000102.21
 CHECKED BY J.W.B. TMS NO. 1753
 F.A.P. NO. TOD NO.

TS NO. 3247C-61 DRAWING - OF SHEET NO. 2 OF 2

THE EXISTING SIGNAL CABLES NOT IDENTIFIED SHALL BE MAINTAINED.

BY: YArgaw