

**PROJECT DESCRIPTION**

THIS PROJECT INVOLVES THE CONSTRUCTION OF A TEMPORARY SIGNAL POLE, STRAIN WIRE AND SIGNALS, COMPLETE REMOVAL OF AN EXISTING STRAIN POLE AND FOUNDATION (12 INCHES BELOW GRADE) AND THE RELOCATION OF THE EXISTING VIDEO DETECTION CAMERAS TO THE TEMPORARY POLE AT THE INTERSECTION OF MD 45 (YORK ROAD) AND TIMONIUM ROAD IN BALTIMORE COUNTY. MD 45 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

**INTERSECTION OPERATION**

THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE. THERE ARE EXCLUSIVE/PERMISSIVE LEFT TURN PHASES FOR BOTH THE NORTHBOUND AND SOUTHBOUND MOVEMENTS OF MD 45. THE MD 45 THROUGH MOVEMENTS OPERATE CONCURRENTLY. THE TIMONIUM ROAD MOVEMENTS ARE SPLIT PHASED.

THE SIGNAL WILL CONTINUE TO BE INTERCONNECTED TO THE MD 45/ TIMONIUM FAIRGROUNDS ENTRANCE TO THE NORTH AND MD 45/ RIDGELY ROAD INTERSECTION TO THE SOUTH.

**CONTROLLER REQUIREMENTS**

USE EXISTING CONTROLLER.

**EQUIPMENT LIST 'A'**

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

CATEGORY CODE NO. QUANTITY DESCRIPTION

ITEM NO.	QUANTITY	DESCRIPTION
120500	1 LS	MAINTENANCE OF TRAFFIC
203030	2 CY	TEST PIT EXCAVATION
800000	2 EA	RELOCATE VIDEO DETECTION CAMERA
800000	1 EA	CLASS II WOOD POLE
800000	4 EA	DOWN GUYS WITH ANCHORS
800000	36 SF	RELOCATE EXISTING OVERHEAD SHEET ALUMINUM SIGN
800000	1 EA	4 INCH 90 DEGREE SCHEDULE 80, RIDGID PVC CONDUIT BEND IN EXISTING FOUNDATION
805140	20 LF	4 INCH SCHEDULE 80, RIGID PVC CONDUIT - TRENCHED
860272	15 EA	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
861107	50 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
861108	270 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
869102	230 LF	STEEL SPAN WIRE 3/8 INCH DIAMETER

**EQUIPMENT LIST 'B'**

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

**EQUIPMENT LIST 'C'**

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA:

EXISTING VIDEO DETECTION CAMERAS (IF THEY CAN NOT BE RELOCATED)  
ALL OTHER SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR.

**CONTACTS FOR DISTRICT 4:**

MR. RANDALL SCOTT  
ASSISTANT DISTRICT ENGINEER, TRAFFIC  
410-321-2781/2785

MR. STEVE MARCISZEWSKI  
ASSISTANT DISTRICT ENGINEER, MAINTENANCE  
410-321-2761

MR. MIKE PASQUARIELLO  
ACTING UTILITY ENGINEER  
410-321-2841

**CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY:**

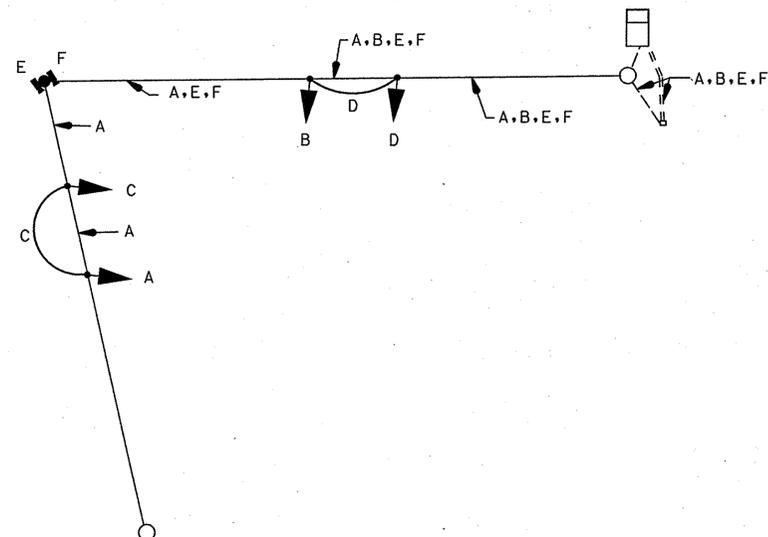
MR. RICHARD DAFF SR.  
CHIEF, TRAFFIC OPERATIONS  
410-787-7630

MR. ROBERT SNYDER  
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS  
410-787-7630

MR. ED RODENHIZER  
CHIEF, SIGNAL OPERATIONS  
410-787-7650

MR. EUGENE BAILEY  
CHIEF, SIGN OPERATIONS  
410-787-7676

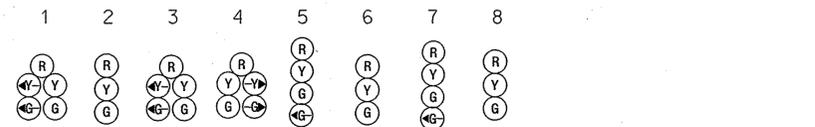
MR. MIKE STOCKER  
SIGNAL SHOP WAREHOUSE  
410-787-7696



**WIRING KEY**

- A,B 7-CONDUCTOR ELECTRIC CABLE (NO. 14 AWG)
- C,D 5-CONDUCTOR ELECTRIC CABLE (NO. 14 AWG)
- E,F VIDEO DETECTION CABLE (EXISTING - REROUTED)

**PHASE CHART**



	1	2	3	4	5	6	7	8	
Phase 1 & 5	← R ← G	R	← R ← G	R	R	R	R	R	↔
1 & 5 Change	← Y	R	← Y	R	R	R	R	R	↔
Phase 1 & 6	R	R	← G ← Y	G Y	R	R	R	R	↔
1 & 6 Change	R	R	← Y	Y	R	R	R	R	↔
2 & 5	← G ← Y	G	R	R	R	R	R	R	↔
2 & 5 Change	← Y	Y	R	R	R	R	R	R	↔
Phase 2 & 6	G	G	G	G	R	R	R	R	↔
2 & 6 Change	Y	Y	Y	Y	R	R	R	R	↔
Phase 3	R	R	R	R	R	R	← G ← Y	G	↔
3 Change	R	R	R	R	R	R	Y	Y	↔
Phase 4	R	R	R	R ← G ← Y	G	G	R	R	↔
4 Change	R	R	R	Y	Y	Y	R	R	↔
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	↔

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
**MD 45 (YORK ROAD)  
AT TIMONIUM ROAD**

**WALLACE, MONTGOMERY & ASSOCIATES, LLP**  
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**TEMPORARY SIGNAL PLAN NOTES**  
SCALE N.T.S. DATE 2/19/82 CONTRACT NO. \_\_\_\_\_  
DESIGNED BY \_\_\_\_\_ COUNTY BALTIMORE  
DRAWN BY W.R.SMITH LOGMILE 03004505.16  
CHECKED BY \_\_\_\_\_ T.I.M.S. NO. H176  
F.A.P. NO. \_\_\_\_\_ TOD NO. \_\_\_\_\_  
DRAWING NO. **TS-02** OF **04** SHEET NO. 12 OF 14

PLOTTED: THURSDAY, DECEMBER 08, 2005 AT 01:37 PM  
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