PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 202 AND LOTTSFORD ROAD IN PRINCE GEORGE'S COUNTY, MD. MD 202 (LANDOVER ROAD) IS CONSIDERED TO RUN IN NORTH/SOUTH DIRECTION.

PHASE 2 MOT TRAFFIC SIGNAL CONSTRUCTION INCLUDES ROADWAY CONSTRUCTION TO CONSIST OF BUILDING THE ISLAND IN THE NORTH EAST QUADRANT AND MEDIAN LOTTSFORD ROAD IMPROVEMENTS. INSTALL NEW AND TEMPORARY PEDESTAL EQUIPMENT. INSTALL TEMPORARY RAMP IN THE NORTHWEST AND NORTHEAST QUADRANTS WITH NEW AND TEMPORARY PEDESTAL EQUIPMENT. INSTALL CROSSWALK ACROSS THE NORTH LEG OF MD 202 (LANDOVER ROAD). AT THE END OF THIS PHASE DEACTIVATE THE PEDESTRIAN CROSSING ON THE SOUTH LEG OF MD 202 AND ACTIVE THE PEDESTRIAN CROSSING ON THE NORTH LEG OF THE INTERSECTION. TEMPORARY RAMPS TO BE INSTALLED BY OTHERS.

INTERSECTION OPERATION

THE EXISTING NEMA 6 CONTROLLER/CABINET SHALL BE UTILIZED AT THIS LOCATION. THE INTERSECTION OPERATION WILL REMAIN UNCHANGED WITH THE EXCEPTION OF THE PEDESTRIAN MOVEMENTS. THE CURRENT PEDESTRIAN MOVEMENT ACROSS THE EAST LEG AND SOUTH LEG WILL BE ELIMINATED DURING THIS PHASE OF CONSTRUCTION. THE MD 202 THROUGH MOVEMENTS WILL OPERATE WITH A CONCURRENT PEDESTRIAN MOVEMENT ACROSS THE WEST LEG OF THE INTERSECTION. THE LOTTSFORD ROAD MOVEMENTS WILL OPERATE WITH AN ACTUATED PEDESTRIAN MOVEMENT ACROSS THE NORTH LEG OF THE INTERSECTION.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE STATE HIGHWAY ADMINISTRATION.

NONE.

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

QUANITY	EA	DESCRIPTION
LUMP SUM	UNITS	MAINTENANCE OF TRAFFIC
LUMP SUM	LS	MOBILIZATION
2	EA	5 FT. STEEL PEDESTAL POLE WITH BREAKAWAY COUPLING BASE
2	EA	16 IN. 1-SECTION, 1-WAY LED (COUNTDOWN) PEDESTRIAN SIGNAL HEAD - POLE
2	EA	AUDIBLE PEDESTRIAN PUSHBUTTON ASSEMBLY WITH PUSHBUTTON SIGN
2	EA	9 IN. X 15 IN. R10-3(1) PEDESTRIAN INSTRUCTIONAL SIGN - POLE
2	EA	NON-APS PEDESTRIAN PUSHBUTTON ASSEMBLY WITH PUSHBUTTON SIGN
2	CY	TEST PIT EXCAVATION
529	LF	2-CONDUCTOR CABLE (NO. 14 AWG)
30	LF	2 IN. PVC CONDUIT [SCHEDULE 80] - TRENCHED
30	LF	BARE COPPER GROUND WIRE (NO. 6 AWG)
2.0	CY	CONCRETE FOUNDATION FOR TRAFFIC SIGNAL EQUIPMENT
130	LF	12 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING - CROSSWALK
40	LF	24 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING - STOP LINE
LUMP SUM	LS	REMOVE EXISTING SIGNAL EQUIPMENT

NOTE

1. THE CURRENT PEDESTRIAN MOVEMENT FOR THE EAST LEG OF THE INTERSECTION IS TO BE RELOCATED TO THE WEST LEG OF THE INTERSECTION DURING THIS PHASE OF CONSTRUCTION.

SPECIAL NOTES

1. THE CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

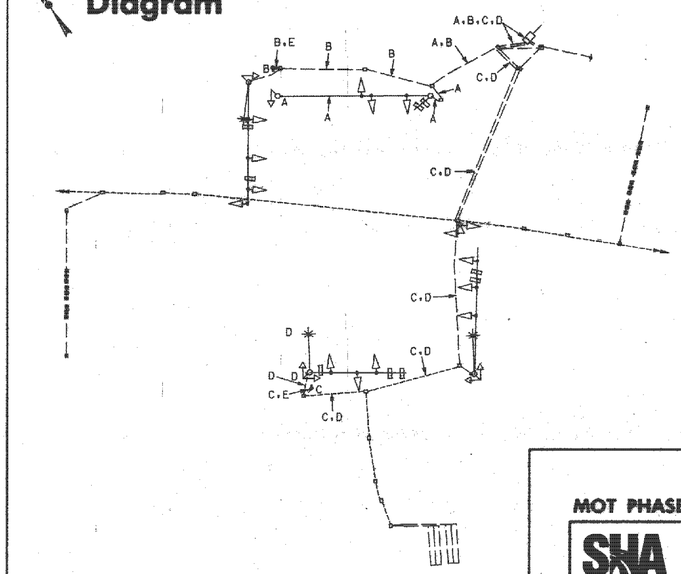
MS. FELECIA MURPHY, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 513-7358
MR. DUANE BERNARD, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (301) 513-7336
MR. VERNON STINNETT, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 615-7304
MR. AUGIE REBISH, UTILITY ENGINEER
PHONE: (301) 513-7350
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630
MR. EDWARD RODENHIZER, SUPERVISOR, SIGNAL OPERATIONS
PHONE: (410) 787-7652

2. ALL INTERNAL CABINET WIRING SHALL BE PERFORMED BY THE SHA SIGNAL SHOP. CONTRACTOR SHALL CONTACT ED RODENHIZER 72 HOURS PRIOR TO CONSTRUCTION.

Phase Chart

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	18,19	24,25
	←R ←Y ←G	←R ←Y ←G	R Y G	R Y G	←R ←Y ←G	←R ←Y ←G	←R ←Y ←G	R Y G	R Y G	R Y G ←G	R Y G ←G	R Y G	R Y G ←G	R Y G ←G	R Y G		
PHASE 1 AND 5	←G	←G	R	R	←G	←G	←G	R	R	R	R	R	R	R	R	DW	DW
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6																	
PHASE 1 AND 6	←G	←G	G	G	←R	←R	←R	R	R	R	R	R	R	R	R	DW	DW
1 CHANGE	←Y	←Y	G	G	←R	←R	←R	R	R	R	R	R	R	R	R	DW	DW
PHASE 2 AND 5	←R	←R	R	R	←G	←G	←G	G	G	R	R	R	R	R	R	DW	DW
5 CHANGE	←R	←R	R	R	←Y	←Y	←Y	G	G	R	R	R	R	R	R	DW	DW
PHASE 2 AND 6	←R	←R	G	G	←R	←R	←R	G	G	R	R	R	R	R	R	WK	DW
PED CLEARENCE	←R	←R	G	G	←R	←R	←R	G	G	R	R	R	R	R	R	FL/DW	DW
2 AND 6 CHANGE	←R	←R	Y	Y	←R	←R	←R	Y	Y	R	R	R	R	R	R	DW	DW
PHASE 3	←R	←R	R	R	←R	←R	←R	R	R	R	R	R	G ←G	G ←G	G	DW	DW
3 CHANGE	←R	←R	R	R	←R	←R	←R	R	R	R	R	R	Y	Y	Y	DW	DW
PHASE 3 ALT	←R	←R	R	R	←R	←R	←R	R	R	R	R	R	G ←G	G ←G	G	DW	WK
PED CLEARENCE	←R	←R	R	R	←R	←R	←R	R	R	R	R	R	G ←G	G ←G	G	DW	DW
3 ALT CHANGE	←R	←R	R	R	←R	←R	←R	R	R	R	R	R	Y	Y	Y	DW	DW
PHASE 4	←R	←R	R	R	←R	←R	←R	R	R	G ←G	G ←G	G	R	R	R	DW	DW
4 CHANGE	←R	←R	R	R	←R	←R	←R	R	R	Y	Y	Y	R	R	R	DW	DW
FLASHING OPERATION	FL/ ←R	FL/ ←R	FL/Y	FL/Y	FL/ ←R	FL/ ←R	FL/ ←R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK

Wiring Diagram



KEY

A, B, C, D } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

E } BARE COPPER GROUND WIRE (NO. 6 A.W.G.)

MOT PHASE 2 OF CONSTRUCTION MOT-02

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 202 (LANDOVER ROAD)
AND LOTTSFORD ROAD
LANDOVER, MARYLAND

GENERAL INFORMATION PLAN

SCALE N/A DATE APRIL 19, 2010 CONTRACT NO. BW999M82

DESIGNED BY F. BROWNLEY COUNTY PRINCE GEORGE'S
DRAWN BY F. BROWNLEY LOGMILE 16020208.78
CHECKED BY RaR 4/10 TIMS NO. J-081
F.A.P. NO. TOD NO.

TS NO. 2548D | DRAWING GI-02 OF 05 | SHEET NO. 4 OF 8

The Traffic Group, Inc.
Suite H
9900 Franklin Square Drive
Baltimore, Maryland 21236
410-931-6600
1-800-583-8411
Fax 410-931-6601
"Merging Innovation and Excellence"®

BY: FHoeckel

PLOTTED: Wednesday, April 21, 2010 AT 07:08 AM
FILE: f:\2004\2004-6208\dea\TEDD\p5G-N001_MD202-Lottsford-Phase 2.dgn