PROJECT DESCRIPTION

I. GENERAL

This project involves the reconstruction of the existing traffic signal at the intersection of Shady Grove Road with the Metro Exit/IS-370 and MD 200 Ramps in Montgomery County. New mast arm poles, APS pedestrian traffic signals and a new cabinet and controller will be installed at this location.

II. INTERSECTION OPERATION

1. The intersection is to operate in a NEMA 5-phase, semi-actuated mode. A new base mounted cabinet and controller and video detection shall be installed at this location. The left turn phases along eastbound and westbound Shady Grove Road shall operate with exclusive left turn phasing.

NOTES

1. For final pavement markings, refer to the pavement marking plans, as applicable; other than those detailed on the plan. All pavement markings shall be installed in accordance with Administration standards.
2. The contractor shall be responsible for terminating all signal cable to the appropriate terminals and properly labeling each cable.
3. All traffic signal foundations shall be installed at the final sidewalk or curb grade for closed sections.
4. The contractor shall be responsible for delivering the video interface equipment to the Montgomery County Signal Shop. County forces will complete the retrofit of all signal equipment.
5. All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located 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 immediately so that the conflict may be resolved.
6. The contractor shall maintain the continuous operation of all interconnect, vehicular, pedestrian detectors, and lighting devices. If any device is damaged by the contractor, it shall be repaired within 72 hours by the contractor at no cost to the Administration after notification by the Engineer.

CONTACTS

DISTRICT (THREE)

MR. JEFFREY WENTZ
ASSISTANT DISTRICT ENGINEER - TRAFFIC
301-513-7318

MR. KEVIN NOWAK
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
301-513-7336

MR. WAYNE MOWDY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
301-513-7304

MR. AUGIE REBISH
UTILITY ENGINEER
301-513-7350

MONTGOMERY COUNTY

MR. KEITH LORD
301-279-1971

MR. KAMAL HAMUD
TRAFFIC ENGINEER - MCTMC
240-777-8761

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
TEAM LEADER SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
410-787-7670

MS. DARLENE EIDE
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

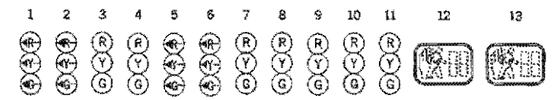
CAT CODE	UNITS	QUANTITY	DESCRIPTION
		NONE	

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

CAT CODE	UNITS	QUANTITY	DESCRIPTION
		NONE	

C. ALL SIGNAL EQUIPMENT TO BE REMOVED AND NOT RETURNED TO THE SHA SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART (ULTIMATE)



	1	2	3	4	5	6	7	8	9	10	11	12	13
PHASE 1 AND 5	←G→	←G→	R	R	←G→	←G→	R	R	R	R	R	DW	DW
PHASE 1 AND 5 CHANGE TO PHASE 1 AND 6, PHASE 2 AND 5, OR PHASE 2 AND 6													
PHASE 1 AND 6	←G→	←G→	G	G	←R→	←R→	R	R	R	R	R	DW	DW
1 AND 6 CHANGE	←Y→	←Y→	G	G	←R→	←R→	R	R	R	R	R	DW	DW
PHASE 2 AND 5	←R→	←R→	R	R	←G→	←G→	G	G	R	R	R	DW	DW
2 AND 5 CHANGE	←R→	←R→	R	R	←Y→	←Y→	G	G	R	R	R	DW	DW
PHASE 2 AND 6	←R→	←R→	G	G	←R→	←R→	G	G	R	R	R	W/K	W/K
PED CLEARANCE	←R→	←R→	G	G	←R→	←R→	G	G	R	R	R	FL/DW	FL/DW
2 AND 6 CHANGE	←R→	←R→	Y	Y	←R→	←R→	Y	Y	R	R	R	DW	DW
PHASE 4	←R→	←R→	R	R	←R→	←R→	R	R	G	G	G	DW	DW
4 CHANGE	←R→	←R→	R	R	←R→	←R→	R	R	Y	Y	Y	DW	DW
FLASHING OPERATION	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	DARK	DARK

WIRING DIAGRAM

NO CHANGES

Released For Construction
JAN 0 6 2009
Intercounty Constructors
MD ICC Contract "A"

SEGMENT B1/B2
APPROVED FOR
CONSTRUCTION

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
SHADY GROVE ROAD AT MD 200 (RAMP F) AND
METRO ACCESS ROAD (RAMPS E AND I)
GAITHERSBURG, MARYLAND

ULTIMATE

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-954-8200

REVISIONS
0 SDSRW-B200-40F

GENERAL INFORMATION SHEET

SCALE NOT TO SCALE DATE OCT. 2007 CONTRACT NO. AT3765360

DESIGNED BY A. GREEN
DRAWN BY A. GREEN
CHECKED BY K. SINKER
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE
T.I.M.S. NO. XMTX
TOD NO.

TS NO. 2234A | DRAWING pSG OF N003B | SHEET NO. OF

PLOTTED: THURSDAY, JULY 24, 2008 AT 12:28 PM
FILE: C:\PW_WORKING\XMPTG\D0836658\DM844249\PSG-N003B_ICC-A.DGN

BY: C0038660