PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE INSTALLATION OF PEDESTRIAN INDICATIONS ACROSS THE NORTH LEG OF U.S. 219 (GARRETT HWY) AND GLENDALE ROAD/COMMERCIAL ENTRANCE IN GARRETT COUNTY. U.S. 219 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION IS OPERATING IN A NEMA FIVE-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE U.S. 219 APPROACHES OPERATING CONCURRENTLY AND THE GLENDALE ROAD AND COMMERCIAL ENTRANCE APPROACHES OPERATING CONCURRENTLY.

EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING IS PROVIDED FOR THE SOUTHBOUND U.S. 219 APPROACH.

AN ALTERNATE PEDESTRIAN PHASE WILL BE PROVIDED ACROSS THE NORTH LEG OF U.S. 219.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER SHALL BE USED.

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

STANDARD NO. MD-104.00 - 104.00-30
STANDARD NO. MD-104.37-01 (LEFT LANE CLOSURE)
STANDARD NO. MD-104.38-01 (RIGHT LANE CLOSURE)
STANDARD NO. MD-104.43-01 (SHOULDER WORK)
STANDARD NO. MD-104.44-01 (LEFT LANE CLOSURE)
STANDARD NO. MD-104.45-01 (RIGHT LANE CLOSURE)
STANDARD NO. MD-104.49-01 (SHOULDER WORK)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

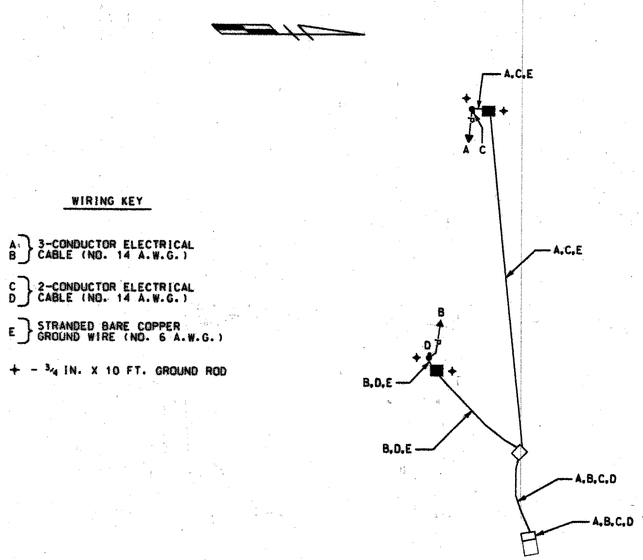
MR. GEORGE H. SMALL
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 729-8444

MR. JOHN TRUE
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (301) 729-8410

MR. LARRY HUMBERTSON
DISTRICT UTILITIES ENGINEER
PHONE: (301) 729-8439

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

WIRING DIAGRAM



WIRING KEY

A, B } 3-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

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

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

+ - 3/4 IN. X 10 FT. GROUND ROD

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
973023	12 SF	SHEET ALUMINUM SIGNS TO CONSIST OF :
		- 1 EACH R10-6 SIGN (36 IN. x 48 IN.) - POLE MOUNTED

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12
PHASE 2 + 5	R	R	←G G	←G G	G	R	R	R	R	R	DW	DW
2 + 5 CHANGE	R	R	←G Y	←G Y	G	R	R	R	R	R	DW	DW
PHASE 2 + 6	G	G	G	G	G	R	R	R	R	R	DW	DW
2 + 6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R	R	DW	DW
PHASE 4 + 8	R	R	R	R	R	G	G	G	G	G	DW	DW
4 + 8 CHANGE	R	R	R	R	R	Y	Y	Y	Y	Y	DW	DW
PHASE 4 + 8 ALT	R	R	R	R	R	G	G	G	G	G	WK	WK
PED CLEARANCE	R	R	R	R	R	G	G	G	G	G	FL/DW	FL/DW
4 + 8 ALT CHANGE	R	R	R	R	R	Y	Y	Y	Y	Y	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK

EQUIPMENT LIST "B"

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

	CATEGORY CODE	QUANTITY	UNIT	DESCRIPTION
	203030	2	CY	Test Pit Excavation
	801004	2	CY	Furnish and Install Concrete for Signal Foundation
	802501	170	LF	Furnish and Install No. 6 A.W.G. Stranded Bare Copper Ground Wire
1	805118	140	LF	Furnish and Install 4 Inch Schedule 80 Rigid PVC Conduit - Bored
	805125	20	LF	Furnish and Install 2 Inch Schedule 80 Rigid PVC Conduit - Trenched
	811001	2	EA	Furnish and Install Electrical Handhole
	813010	1	EA	Band Sign to Sign Support
	818004	2	EA	Furnish and Install Pedestal Pole
	837001	4	EA	Furnish and Install Ground Rod - 3/4 Inch x 10 Foot Length
	860264	4	EA	Furnish and Install 12 Inch Pedestrian Traffic Signal Head Section
	861105	240	LF	Furnish and Install Electrical Cable - 2 Conductor (No. 14 A.W.G.)
	861106	250	LF	Furnish and Install Electrical Cable - 3 Conductor (No. 14 A.W.G.)
	865001	2	EA	Furnish and Install Pushbutton and Sign
1	800000	1	LS	Remove and Dispose of Existing Material and Equipment

1 ADDENDUM NO. 1
REVISED QUANTITIES
REPLACED SHEET
2/4/03

REVISION "A"

WR&A
Whitman, Requardt and Associates, LLP
801 South Caroline Street
Baltimore, Maryland 21231
(410) 235-3450

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
US 219 (GARRETT HWY) AND GLENDALE ROAD

DRAWN BY: B. MARTINE	F.A.P. NO. SEE TITLE SHEET	TS NO. TS-4096A	SHEET NO.
CHECKED BY: N. LEARY	S.H.A. NO. GA6545188		
SCALE: NONE	COUNTY: GARRETT	T.I.M.S. NO. E351	21 OF 22
DATE: 1/10/2003	LOG MILE: 11021919.56		

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