

PROJECT DESCRIPTION

I. GENERAL:

THIS PROJECT INVOLVES THE RECONSTRUCTION OF THE EXISTING TRAFFIC SIGNAL AT MD 672 (GREENBURY POINT ROAD) AND KINKAID ROAD IN ANNAPOLIS, ANNE ARUNDEL COUNTY.

MD 672 IS ASSUMED TO RUN IN A EAST-WEST DIRECTION.

II. INTERSECTION OPERATION:

THE INTERSECTION OPERATES IN A NEMA 3 PHASES OPERATION WITH THE EAST AND WEST APPROACHES OF MD 672 OPERATING CONCURRENTLY. THE NORTHBOUND KINKAID ROAD MOVEMENT WILL OPERATE WITH A CONCURRENT RIGHT TURN FROM THE EASTBOUND MD 672.

A NEMA SIX-PHASE, FULL-ACTUATED CONTROLLER WITH ALL NECESSARY EQUIPMENT HOUSED IN A BASE-MOUNTED CABINET SHALL BE INSTALLED AT THE INTERSECTION.

PROJECT CONTACTS

THE CONTACT PERSONS FOR THE SHA ARE AS FOLLOWS:

KIMBERLY TRAN
ASSISTANT DISTRICT ENGINEER
TRAFFIC
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MAINTENANCE
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JOE HORTY
ASSISTANT DISTRICT ENGINEER
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JAMES FOLDEN
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CONSTRUCTION
PHONE: 410-841-1031

ROBERT SNYDER
ASSISTANT DIVISION CHIEF
TRAFFIC OPERATIONS
PHONE: 410-787-7631

EUGENE BAILEY
TEAM LEADER
SIGN OPERATIONS
PHONE: 410-787-7676

EDWARD RODENHIZER
TEAM LEADER
SIGNAL OPERATIONS
PHONE: 410-787-7652

EQUIPMENT LIST "C"

SHA SHALL REMOVE CONTROLLER AND ANY AUXILIARY EQUIPMENT FOR EXISTING CABINET. THE CABINET AND ALL OTHER REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY SHA AND INSTALLED BY THE CONTRACTOR.

ITEM NO.	QUANTITY	DESCRIPTION
9044	1 EA	NEMA BASE MOUNTED CABINET AND CONTROLLER
9086	1 EA	VIDEO DETECTION INTERFACE UNIT: 1-4 CAMERA
9570	30 SF	SHEET ALUMINIUM GROUND MOUNTED SIGNS 1 EA R1-2 (36" x 36") 2 EA R5-1 (30" x 30") SHIELD ASSEMBLY SIGN 1 EA "EAST, MD 672, RIGHT ARROW" (51" x 24")
9571	31 SF	SHEET ALUMINIUM SIGNS POLE MOUNTED SHIELD ASSEMBLY SIGN 1 EA "WEST, MD 672, RIGHT ARROW" (75" x 36") 1 EA D-3(1) "KINKAID ROAD, RIGHT ARROW" (16" x VAR) 1 EA D-3(1) "LEFT ARROW, KINKAID ROAD" (16" x VAR) 1 EA D-3(1) (DUAL FACE) "GREENBURY POINT ROAD" (16" x VAR)

EQUIPMENT LIST "B"

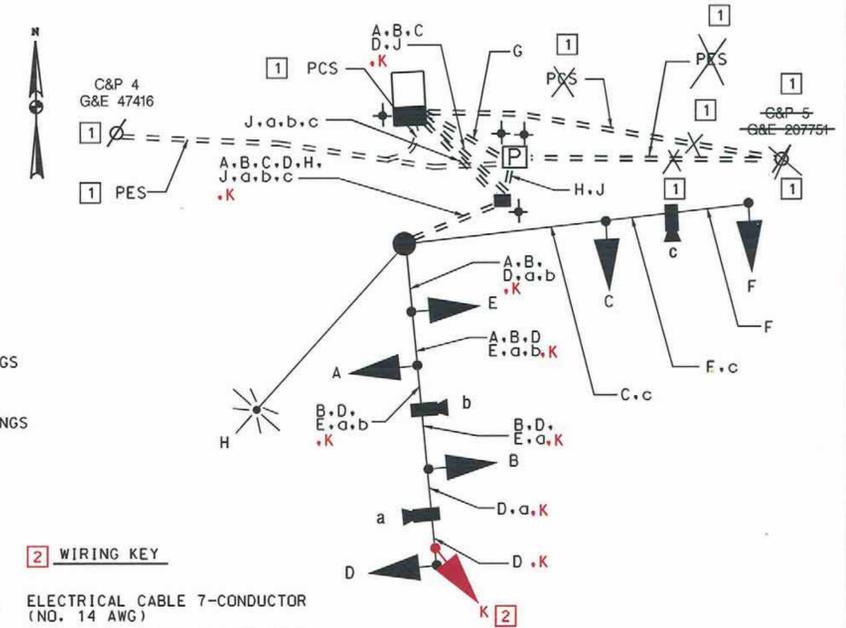
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	2 EA	MAINTENANCE OF TRAFFIC
2002	1 CY	TEST PIT EXCAVATION
5001	50 LF	5" HEAT APPLIED WHITE OR YELLOW PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5002	150 LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH
5005	34 LF	24" HEAT APPLIED WHITE OR YELLOW PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
8001	23 EA	12" LED SIGNAL HEAD SECTION
8007	1 EA	ANY SIZE LIGHTING ARM ON SIGNAL POLE WITH 250 WATT HPS LAMP AND LUMINAIRE
8022	1 EA	REMOVE AND DISPOSE OF EXISTING EQUIPMENT (PER ASSIGNMENT)
8025	1 EA	TWIN MAST ARM POLE AND 50 FT/50 FT MAST ARMS, ANY 'T' DIMENSION
8026	3 EA	VIDEO DETECTION CAMERA AND CABLE UP TO 500 FT
8035	150 LF	UP TO 4" SCHEDULE 80 RIDIG PVC CONDUIT - TRENCHED
8037	79 LF	WOOD SIGN SUPPORT UP TO 4" x 6"
8039	61 SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8041	30 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8043	1 EA	METERED SERVICE PEDESTAL EMBEDDED
8045	80 LF	ELECTRICAL CABLE - 1 CONDUCTOR NO. 4 AWG - THHN/THWN
8047	1 EA	ELECTRICAL HANDHOLE
8052	2 EA	CUT, CLEAN, GALVANIZE, AND CAP TRAFFIC SIGNAL STRUCTURE
8056	70 LF	ELECTRICAL CABLE - 5 CONDUCTOR NO 14 AWG
8057	410 LF	ELECTRICAL CABLE - 7 CONDUCTOR NO 14 AWG
8058	80 LF	ELECTRICAL CABLE - 2 CONDUCTOR NO 12 AWG TC
8065	1 EA	INSTALL CONTROLLER AND CABINET - BASE MOUNT
8036	50 LF	UP TO 4" SCHEDULE 80 RIDIG PVC CONDUIT - BORED

PHASE CHART

	1	2	3	4	5	6	7	
	(R) (Y) (G)							
Phase 2 + 6	G	G	G	G	R	R	R	←
2 & 6 Change	Y	Y	Y	Y	R	R	R	→
Phase 4	R	R/-G	R	R	G	G	G	↑
4 Change	R	R/-Y	R	R	Y	Y	Y	↓
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	←

* OVERLAP FOR EASTBOUND RIGHT-TURN.



WIRING KEY

- A,B,C,D - ELECTRICAL CABLE 7-CONDUCTOR (NO. 14 AWG)
- E,F - ELECTRICAL CABLE 5-CONDUCTOR (NO. 14 AWG)
- G - ELECTRICAL CABLE 1-CONDUCTOR (NO. 4 AWG) - THHN/THWN
- H - ELECTRICAL CABLE 2-CONDUCTOR (NO. 12 AWG) TC
- J - NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
- a,b,c - VIDEO DETECTOR CABLE
- PES - PROPOSED ELECTRICAL SERVICE
- PCS - PROPOSED COMMUNICATION SERVICE
- P - METERED SERVICE PEDESTAL
- - PROPOSED HANDHOLE
- ⊕ - GROUND ROD 3/4" DIA x 10' LENGTH

TEDD RED LINE #2 3/3/2009

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 672 (GREENBURY POINT ROAD) AT
KINKAID ROAD IN ANNAPOLIS, MD

GENERAL INFORMATION SHEET

SCALE NONE DATE 3/2008 CONTRACT NO. AT9155185

DESIGNED BY E.N.B. COUNTY ANNE ARUNDEL
DRAWN BY E.N.B. LOGMILE 02067200.12
CHECKED BY T.I.M.S. NO. H 770
F.A.P. NO. TOD NO.

DRAWING NO. TS-10078 SHEET NO. 2 OF 2

MMT CENTURY
ENGINEERING
CONSULTING ENGINEERS - PLANNERS
10710 GILROY ROAD
HUNT VALLEY, MD 21031

REVISION A 28003.71

PLOTTED: #DATE# TIME#
FILE: #FILE#

BY: \$USERNAME\$