

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 702 (SOUTHEAST BLVD.) AND MIDDLEBOROUGH ROAD IN BALTIMORE COUNTY, MARYLAND. MD 702 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE MD 702 APPROACHES OPERATING CONCURRENTLY AND THE MIDDLEBOROUGH ROAD APPROACHES OPERATING SPLIT. EXCLUSIVE LEFT-TURN PHASING IS PROVIDED FOR NORTHBOUND AND SOUTHBOUND MD 702 APPROACHES. AN ALTERNATE PEDESTRIAN PHASE IS PROVIDED ACROSS NORTH LEG OF MD 702 AND THE EAST LEG OF MIDDLEBOROUGH ROAD.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

MAINTENANCE OF TRAFFIC

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

STANDARD NO. MD-104.04-01 (SHOULDER WORK) STANDARD NO. MD-104.04-13 (LEFT TURN BAY CLOSURE)
STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE) STANDARD NO. MD-104.04-15 (INTERSECTION LEFT LANE, TURN BAY)
STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)
STANDARD NO. MD-104.04-07 (CENTER LANE CLOSURE)

PROJECT CONTACTS

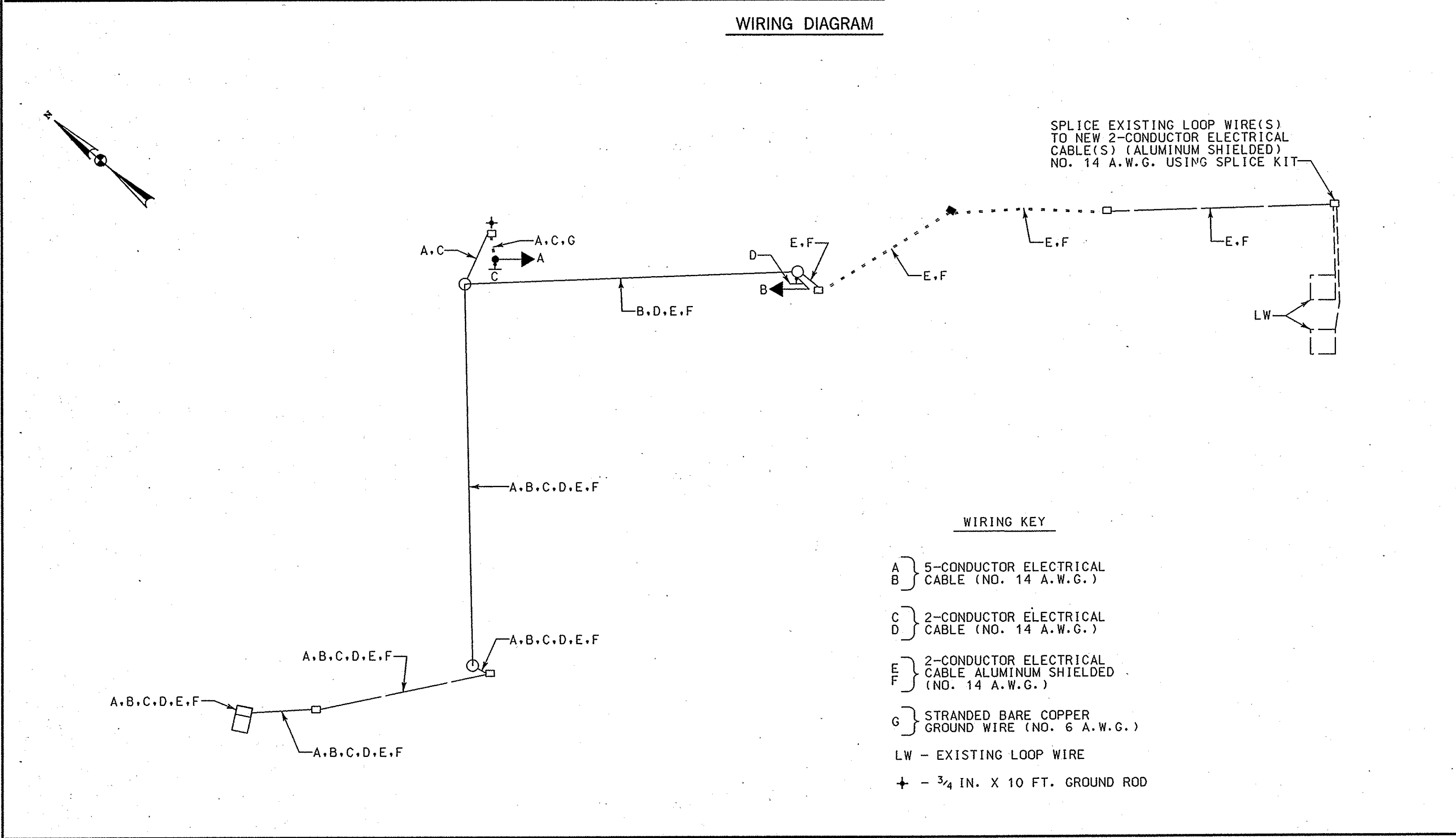
THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

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ASSISTANT DISTRICT ENGINEER - TRAFFIC
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MR. MIKE PASQUARIELLO
ASSISTANT DISTRICT UTILITY ENGINEER
PHONE: (410) 321-2841

MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761

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



EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

CATEGORY CODE	QUANTITY	DESCRIPTION
973023	2 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF :
	2 EACH	R10-4(1) SIGN (9 IN. X 12 IN.) TO READ "PUSHBUTTON TO MIDDLEBOROUGH ROAD"

EQUIPMENT LIST "C"

NO EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

EQUIPMENT LIST "B"

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

CATEGORY CODE	QUANTITY	DESCRIPTION
120500	LUMP SUM	MAINTENANCE OF TRAFFIC
203030	1 C.Y.	TEST PIT EXCAVATION
655104	16 S.F.	4 INCH CONCRETE SIDEWALK
801004	1 C.Y.	CONCRETE FOR SIGNAL FOUNDATION
802501	30 L.F.	NO. 6 A.W.G., STRANDED BARE COPPER GROUND WIRE
805118	40 L.F.	4 INCH SCHEDULE 80 RIGID PVC CONDUIT-BORED
805135	185 L.F.	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
802145	2 EACH	ADJUST EXISTING HANDHOLE
811001	1 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
811002	1 EACH	REMOVE ELECTRICAL HANDHOLE
813015	2 S.F.	INSTALL OVERHEAD SIGN
818004	1 EACH	10 FT. BREAKAWAY PEDESTAL POLE
837001	1 EACH	GROUND ROD - 3/4 INCH BY 10 FOOT LENGTH
861104	1675 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
861105	640 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
861107	1245 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
800000	LUMP SUM	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
800000	1 EACH	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON BASE UNIT
800000	4 EACH	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION
800000	4 EACH	16 IN. COUNTDOWN PEDESTRIAN SIGNAL HEAD SECTION

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PHASE 1 + 5	←G←G←	R	R	←G←G←	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
1 + 5 CHANGE	PHASE 1 + 5 MAY CHANGE TO PHASE 1 + 6, PHASE 2 + 5 OR PHASE 2 + 6																	
PHASE 1 + 6	←G←G←	G	G	←R←R←	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
1 + 6 CHANGE	←Y←Y←	G	G	←R←R←	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 + 5	←R←R←	R	R	←G←G←	G	G	R	R	R	R	R	R	R	R	DW	DW	DW	DW
2 + 5 CHANGE	←R←R←	R	R	←Y←Y←	G	G	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 + 6	←R←R←	G	G	←R←R←	Y	Y	R	R	R	R	R	R	R	R	DW	DW	DW	DW
2 + 6 CHANGE	←R←R←	Y	Y	←R←R←	G	G	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 + 6 ALT	←R←R←	G	G	←R←R←	G	G	R	R	R	R	R	R	R	R	WK	WK	DW	DW
PED CLEARANCE	←R←R←	G	G	←R←R←	G	G	R	R	R	R	R	R	R	R	FLDW	FLDW	DW	DW
2 + 6 ALT CHANGE	←R←R←	Y	Y	←R←R←	Y	Y	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 3	←R←R←	R	R	←R←R←	R	R	R	R	R	R	←G←G←	G	DW	DW	DW	DW	DW	DW
3 CHANGE	←R←R←	R	R	←R←R←	R	R	R	R	R	R	←G←G←	G	DW	DW	WK	WK	DW	DW
PHASE 3 ALT	←R←R←	R	R	←R←R←	R	R	R	R	R	R	←G←G←	G	DW	DW	WK	WK	DW	DW
PED CLEARANCE	←R←R←	R	R	←R←R←	R	R	R	R	R	R	G	G	DW	DW	FLDW	FLDW	DW	DW
3 ALT CHANGE	←R←R←	R	R	←R←R←	R	R	R	R	R	R	Y	Y	DW	DW	DW	DW	DW	DW
PHASE 4	←R←R←	R	R	←R←R←	R	R	←G←G←	G	R	R	R	R	DW	DW	DW	DW	DW	DW
4 CHANGE	←R←R←	R	R	←R←R←	R	R	Y	Y	R	R	R	R	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	←FLR←FLR←	FLY	FLY	←FLR←FLR←	FLY	FLY	FLR	FLR	FLR	FLR	FLR	FLR	FLR	FLR	DARK	DARK	DARK	DARK

WR&A
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REVISIONS

GENERAL INFORMATION SHEET

SCALE NONE DATE 2/20/2005 CONTRACT NO. BA6095187

DESIGNED BY S.BLOSS COUNTY BALTIMORE
DRAWN BY S.BLOSS LOGMILE 03072003.06
CHECKED BY N.LEARY T.I.M.S. NO.
F.A.P. NO. SEE TITLE SHEET TOD NO. 2275 MC

DRAWING NO. TSP-2 - 2 OF 2 SHEET NO. 33 OF 37