

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE FINAL MODIFICATION AND INSTALLATION OF ULTIMATE TRAFFIC CONTROL EQUIPMENT AT THE INTERSECTION OF MD 450 AT TRINITY EPISCOPAL CHURCH/SCHOOL ENTRANCE IN PRINCE GEORGE'S COUNTY, MD 450 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION.

INTERSECTION OPERATION

NORMAL OPERATION
THE INTERSECTION WILL OPERATE IN A NEMA SINGLE-PHASE SEMI-ACTUATED MODE. THE MOVEMENTS OF MD 450 WILL OPERATE CONCURRENTLY. THE MOVEMENT ON TRINITY EPISCOPAL CHURCH/SCHOOL ENTRANCE WILL OPERATE CONCURRENTLY. THE MOVEMENT ON TRINITY EPISCOPAL CHURCH WILL OPERATE ONLY WHEN MANUALLY ACTUATED.

SPECIAL NOTE

ALL UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE BECAUSE THESE UTILITIES MAY BE MODIFIED PRIOR TO AND DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES 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 EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER IMMEDIATELY.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

CAT CODE NUMBER	SPEC. SECTION	QUANTITY	DESCRIPTION
973023	813	△ 36 S.F.	△ SHEET ALUMINUM SIGN TO CONSIST OF: -1 EA. SI-1 (FYG) (36 IN. X 42 IN.)-MAST ARM MOUNT -1 EA. ASSOCIATED SHIELD ASSEMBLY (48 IN. X 75 IN.)-POLE MOUNT

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

CAT CODE NUMBER	SPEC. SECTION	QUANTITY	DESCRIPTION
203030	205	1 C.Y.	TEST PIT EXCAVATION
585624	556	30 L.F.	24 IN. HEAT APPLIED THERMOPLASTIC WHITE PAVEMENT MARKING
801004	801	5 C.Y.	CONCRETE FOR SIGNAL FOUNDATION
802501	805	△ 265 L.F.	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
813015	813	△ 36 S.F.	INSTALL OVERHEAD SIGN
831010	804	1 EA.	250 WATT HPS LUMINAIRE WITH PHOTOCCELL
837001	806	1 EA.	GROUND ROD 3/4 IN. X 10 FT. LENGTH
860270	814	2 EA.	8 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION
860272	814	4 EA.	12 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION
861107	810	35 L.F.	ELECTRICAL CABLE 5-CONDUCTOR (NO. 14 AWG)
861108	810	400 L.F.	ELECTRICAL CABLE 7-CONDUCTOR (NO. 14 AWG)
861116	810	365 L.F.	ELECTRICAL CABLE 2-CONDUCTOR (NO. 12 AWG)
866104	818	1 EA.	20 FT. LIGHTING ARM ON SIGNAL STRUCTURE
866204	818	1 EA.	27 FT. STEEL POLE WITH 50 FT. MAST ARM
870163	805	27 L.F.	3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT-TRENCHED
800000	XXX	1 L.S.	REMOVE AND DISPOSE OF EXISTING MATERIAL

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

CHARLIE WATKINS
DISTRICT ENGINEER
PHONE: 301-513-7300

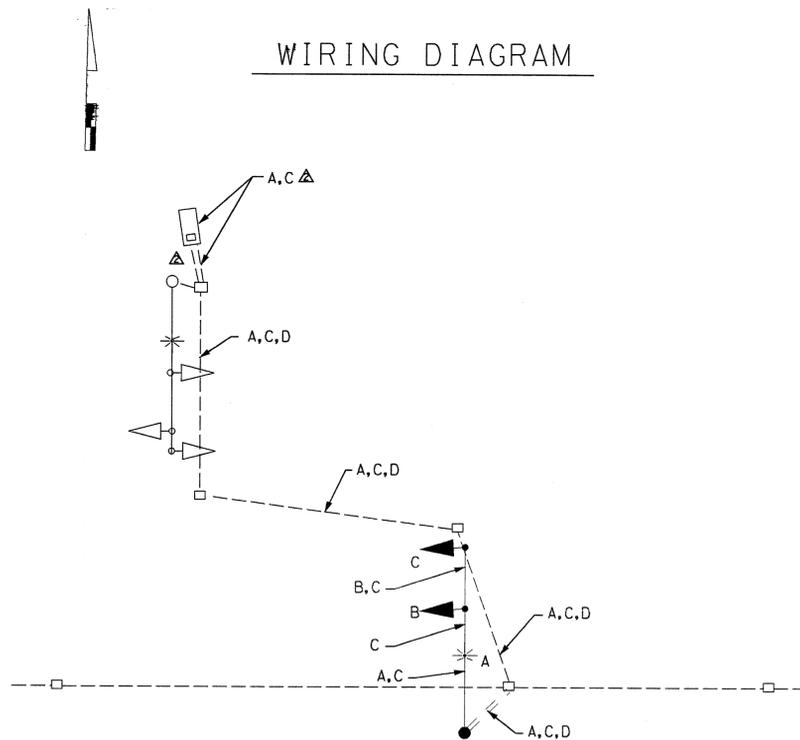
MAJID SHAKIB
ASSISTANT DISTRICT ENGINEER-TRAFFIC
PHONE: 301-513-7358

ROBERT SNYDER ASSISTANT DIVISION CHIEF
TRAFFIC OPERATION DIVISION
PHONE: 410-787-7630

AUGIE REBISH
ASSISTANT DISTRICT ENGINEER-UTILITIES
PHONE: 301-513-7350

RALEIGH MEDLEY
ASSISTANT DISTRICT ENGINEER-MAINTENANCE
PHONE: 301-513-7304

WIRING DIAGRAM



A	ELECTRICAL CABLE 2-CONDUCTOR (NO. 12 AWG)	C	ELECTRICAL CABLE 7-CONDUCTOR (NO. 14 AWG)
B	ELECTRICAL CABLE 5-CONDUCTOR (NO. 14 AWG)	D	NO. 6 STRANDED BARE COPPER GROUND WIRE

PHASE CHART

	1	2	3	4	
	(R)	(R)	(R)	(R)	
	(Y)	(Y)	(Y)	(Y)	
	(G)	(G)	(G)	(G)	
△ PHASE 2+6	FL	FL	FL	FL	←
△ 2+6 CHANGE	Y	Y	Y	Y	→
△ PHASE 4	R	R	R	R	↓
FLASHING OPERATION	FL	FL	FL	FL	↕

EQUIPMENT LIST "C"

C. SHA FORCES SHALL REMOVE THE CONTROLLERS AND ALL AUXILIARY EQUIPMENT FROM THE CABINET, CABINET AND ALL OTHER SIGNAL MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

REDLINE NO. 1 5/6/02

△ ADDENDUM #2 10/11/2001



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

THE WILSON T. BALLARD CO.
CONSULTING ENGINEERS
OWINGS MILLS, MARYLAND

GENERAL INFORMATION SHEET

MD 450 - MD 193 TO STONYBROOK DRIVE
MD 450 AT TRINITY EPISCOPAL CHURCH/SCHOOL ULTIMATE

DRAWN BY: MB	F.A.P. NO. SEE TITLE SHEET	TS NO. 4114-B	SHEET NO.
CHECKED BY: STB	S.H.A. NO. PG9005571		
SCALE: NONE	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO. D 538	
DATE: OCTOBER 2001	LOG MILE: 16045011.95		408H OF 545