

## PROJECT DESCRIPTION

### GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION AND INSTALLATION OF SIGNAL HEADS FOR THIS PHASE OF MAINTENANCE OF WORK AT THE INTERSECTION OF MD 450 AT HIGHBRIDGE ROAD IN PRINCE GEORGE'S COUNTY. MD 450 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION.

### INTERSECTION OPERATION

△ THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA-THREE-PHASE FULLY ACTUATED MODE.

### 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

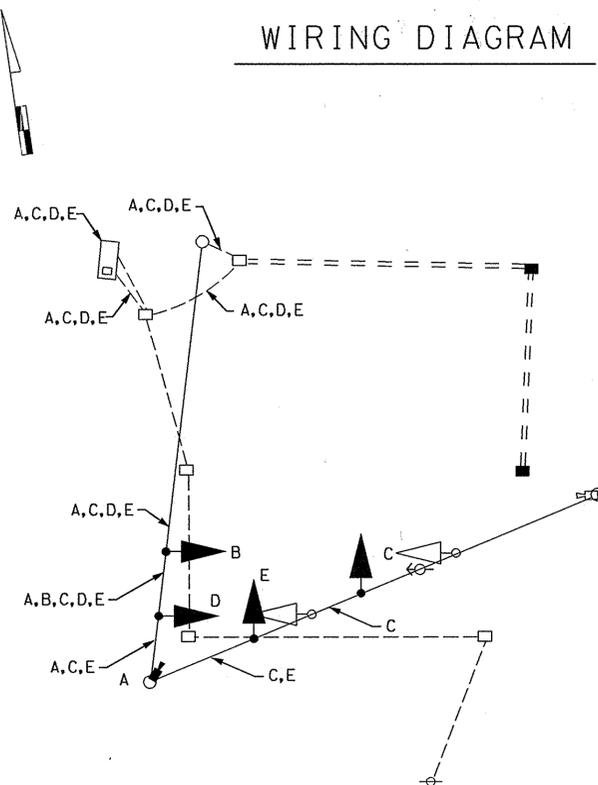
CAT CODE NUMBER	SPEC. SECTION	QUANTITY	DESCRIPTION
973023	813	△ 16 S.F.	△ SHEET ALUMINUM SIGN TO CONSIST OF: -1 EA. D3-2 (16 IN. X VAR.)-SPAN MOUNT -1 EA. R3-5R (30 IN. X 36 IN.)-SPAN MOUNT

## EQUIPMENT LIST "B"

### B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

CAT CODE NUMBER	SPEC. SECTION	QUANTITY	DESCRIPTION
585450	555	12 L.F.	REMOVAL OF EXISTING PAVEMENT MARKING ANY WIDTH
585624	556	△ 20 L.F.	24 IN. HEAT APPLIED THERMOPLASTIC WHITE PAVEMENT MARKING
811001	811	2 EA.	ELECTRICAL HANDHOLE
813015	813	△ 16 S.F.	INSTALL OVERHEAD SIGN
860265	814	2 EA.	RELOCATE EXISTING SIGNAL HEAD
860272	814	6 EA.	12 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION
861107	810	35 L.F.	ELECTRICAL CABLE 5-CONDUCTOR (NO.14 AWG)
861108	810	275 L.F.	ELECTRICAL CABLE 7-CONDUCTOR (NO.14 AWG)
□ 87016X7	805	79 L.F.	4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT-BORED
□ 87016X8	805	76 L.F.	4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT-SLOTTED
△ 800000	805	1 EA.	RELOCATE CAMERA
△ 800000	805	□ 1 EA.	REROUTE EXISTING CABLE

## WIRING DIAGRAM



- A VIDEO DETECTOR CABLE
- B ELECTRICAL CABLE 5-CONDUCTOR (NO.14 AWG)
- C, D, E ELECTRICAL CABLE 7-CONDUCTOR (NO.14 AWG)

## PHASE CHART

	1	2	3	4	5	6	
	R	R	R	R	R	R	
	Y	Y	Y	Y	Y	Y	
	G	G	G	G	G	G	
△ PHASE 1+6	G	G	G	R	R	R	↔
△ 1+6 CHANGE	G	G	G	R	R	R	→
PHASE 2+6	G	G	G	G	R	R	↔
2+6 CHANGE	Y	Y	Y	Y	R	R	→
PHASE 4	R	R	R	R	G	G	↔
4 CHANGE	R	R	R	R	Y	Y	↔
FLASHING OPERATION	FL	FL	FL	FL	FL	FL	↔
	Y	Y	Y	Y	R	R	↔

## EQUIPMENT LIST "C"

C. ALL REMOVED SIGNAL MATERIALS ARE TO BECOME 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**

GENERAL INFORMATION SHEET  
MD 450 - MD 193 TO STONYBROOK DRIVE  
MD 450 AT HIGHBRIDGE ROAD - PHASE II

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

DRAWN BY: MB	F.A.P. NO. SEE TITLE SHEET	TS NO. △	
CHECKED BY: STB	S.H.A. NO. PG9005571	TS-3193C-2PH2A	SHEET NO.
SCALE: NONE	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO. D 538	412 OF 545
DATE: OCTOBER 2001	LOG MILE: 10.44		