

PROJECT DESCRIPTION:

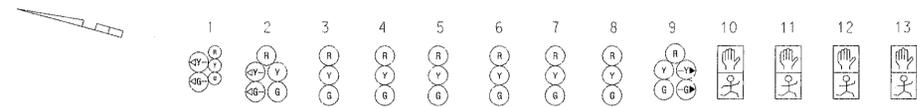
I. GENERAL:

THIS PROJECT INVOLVES THE INSTALLATION OF THE FOURTH LEG TO THE INTERSECTION, AND THE MODIFICATION OF THE EXISTING SIGNAL CONTROL DEVICES AT THE INTERSECTION OF MD 45 AND INDUSTRY LANE/AUTOSPA DRIVEWAY IN BALTIMORE COUNTY. MD 45 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

II. INTERSECTION OPERATION:

THE INTERSECTION WILL OPERATE IN NEMA SIX-PHASE, FULL-TRAFFIC- ACTUATED MODE WITH MD 45 APPROACHES RUNNING CONCURRENTLY AND INDUSTRY LANE AND AUTO SPA RUNNING CONCURRENTLY. EXCLUSIVE/PERMISSIVE PHASING WILL REMAIN FOR THE MD 45 NORTHBOUND APPROACH. AN EXISTING RIGHT TURN OVERLAP WILL REMAIN FOR INDUSTRY LANE TO MD 45 SOUTHBOUND. PEDESTRIAN PHASING RUNS CONCURRENTLY WITH MD 45 THROUGH MOVEMENTS AND A PUSH BUTTON ACTUATED PEDESTRIAN PHASE RUNS WITH THE AUTO SPA PHASE. THE EXISTING CONTROLLER AND POLE MOUNTED CABINET SHALL BE MAINTAINED.

PHASE CHART



PHASE 2 + 5	G	G	G	R	R	R	R	R	R	R	DW	DW	DW	DW
2 + 5 CHANGE	G	G	G	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 + 6	G	G	G	G	G	R	R	R	R	R	WK	WK	DW	DW
PED CLEARANCE	G	G	G	G	G	R	R	R	R	R	FL/DW	FL/DW	DW	DW
2 + 6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R	R	DW	DW	DW	DW
PHASE 4 + 8	R	R	R	R	R	G	G	G	G	G	DW	DW	DW	DW
4 + 8 CHANGE	R	R	R	R	R	Y	Y	Y	Y	Y	DW	DW	DW	DW
PHASE 4 + ALT 8	R	R	R	R	R	G	G	G	G	G	DW	DW	WK	WK
PED CLEARANCE	R	R	R	R	R	G	G	G	G	G	DW	DW	FL/DW	FL/DW
4 + ALT 8 CHANGE	R	R	R	R	R	Y	Y	Y	Y	Y	DW	DW	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	DARK	DARK

WIRING KEY

- A, E } - 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- B-C } - 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- D, F } - 250' PRE-MANUFACTURED CAMERA TO CONTROL CABINET
- ES } - EXISTING OVERHEAD SERVICE
- I/C } - EXISTING OVERHEAD INTERCONNECT

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION.

CAT. CODE NO.	QUANTITY	DESCRIPTION
	L.S.	MAINTENANCE OF TRAFFIC
120500		
585462	170 LF	REMOVAL OF EXISTING PAVEMENT MARKINGS
585616	160 LF	FURNISH AND INSTALL 5 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
585618	270 LF	FURNISH AND INSTALL 5 INCH HEAT APPLIED YELLOW PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
585620	150 LF	FURNISH AND INSTALL 12 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
585624	25 LF	FURNISH AND INSTALL 24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
585630	4 EA	FURNISH AND INSTALL HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS
813015	7.5 SF	INSTALL OVERHEAD SIGN
860270	3 EA	FURNISH AND INSTALL 8 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION.
860272	8 EA	FURNISH AND INSTALL 12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION.
861107	60 LF	FURNISH AND INSTALL 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.).
861108	265 LF	FURNISH AND INSTALL 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.).
800000	2 EA	ADJUST SIGNAL SPAN WIRE
800000	L.S.	REMOVAL AND DISPOSE OF MATERIAL AND EQUIPMENT
800000	L.S.	FURNISH AND INSTALL VIDEO DETECTION SYSTEM
816005	2 EA	FURNISH AND INSTALL 250 FT. PRE-MANUFACTURED CAMERA TO CABINET CABLE
816001	2 EA	FURNISH AND INSTALL VIDEO DETECTION CAMERA
860265	3 EA	RELOCATE EXISTING SIGNAL HEAD SECTION

CONTACT PERSONS FOR DISTRICT 4 ARE AS FOLLOWS:

- MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
410-321-2781
- MR. DAN SAMLUK
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
410-321-2821
- MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
410-321-2761
- MR. SUENETTE POPE
ASSISTANT DISTRICT ENGINEER - UTILITIES
410-321-2841

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

- MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630
- MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630
- MR. ED RODENHIZER
SECTION CHIEF SIGNAL OPERATIONS
410-787-7650
- MR. EUGENE BAILEY
SECTION CHIEF SIGN OPERATIONS
410-787-7676
- SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

EQUIPMENT LIST "B"

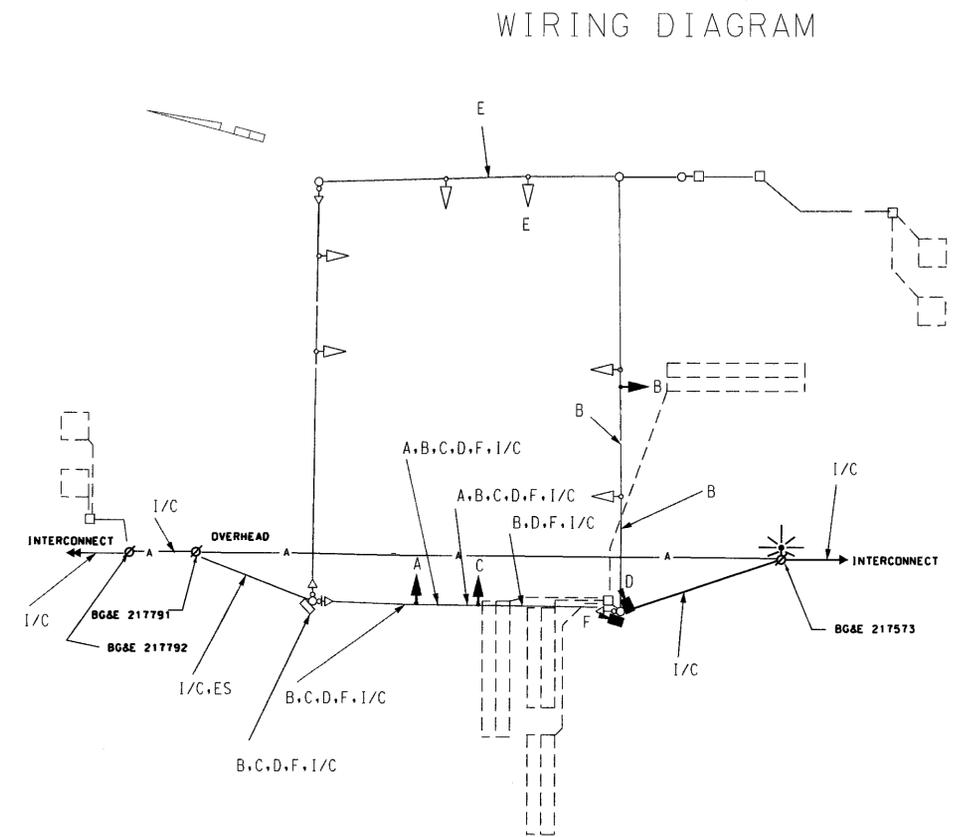
B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION.

CAT. CODE NO.	QUANTITY	DESCRIPTION
973023	7.5 SF	OVERHEAD MOUNTED SHEET ALUMINUM SIGNS TO CONSIST OF: - 1 EACH R3-5R (30" x 36") "LANE USE CONTROL - RIGHT ONLY" SPAN WIRE MOUNTED.

EQUIPMENT LIST "C"

C. MATERIAL TO BE REMOVED AND RETURNED TO THE STATE HIGHWAY ADMINISTRATION ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.

NONE



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
MD 45 AT INDUSTRY LANE
COCKEYSVILLE, MARYLAND

DRAWN BY: L.M.	F.A.P. NO. N/A	TS NO. 2555A	SHEET NO. 2 OF 2
CHECKED BY: T.H.	S.H.A. NO. N/A	T.I.M.S. NO. G739	
SCALE: N/A	COUNTY: BALTIMORE	LOG MILE: 03004507.00	
DATE: MARCH, 2005			

CEI
CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
32 WEST ROAD
TOWSON, MARYLAND 21284