PROJECT DESCRIPTION

THIS PROJECT INVOLVES MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 528 (COSTAL HIGHWAY) AND 142ND STREET IN WORCESTER COUNTY. L.E.D. COUNTDOWN PEDESTRIAN SIGNALS AND APS PEDESTRIAN PUSH-BUTTONS AND SIGNS WILL BE INSTALLED AT THIS LOCATION. MD 528 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN UNCHANGED.

CONTROLLER REQUIRMENTS

THE EXISTING FULL-TRAFFIC-ACTUATED EIGHT PHASE TRAFFIC SIGNAL CONTROLLER HOUSED IN A BASE MOUNTED CABINET WILL BE USED. AN APS CENTRAL CONTROL UNIT WILL BE INSTALLED BY THE CONTRACTOR.

CONTACT PERSONS FOR DISTRICT 1 ARE AS FOLLOWS:

MR. GENE COFIELL
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 677-4040

MR. JIMMY WRIGHT
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 543-6715

MR. BRUCE POOLE
ASSISTANT DISTRICT ENGINEER - UTILITY
PHONE: (410) 677-4082

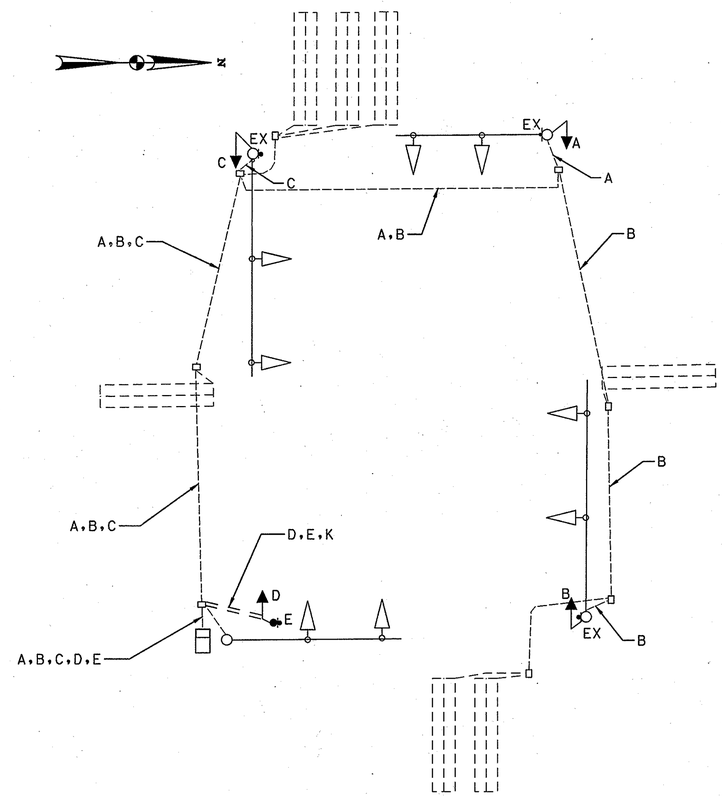
CONTACT PERSONS FOR OOTS ARE AS FOLLOWS:

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

MR. ED RODENHIZER
SIGNAL SHOP
PHONE: (410) 787-7652

MR. SONNY BAILEY
SIGN SHOP
PHONE: (410) 787-7670

WIRING DIAGRAM



WIRING KEY

A, B, C, D } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G)

E - 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G)

K - STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)

EX - USE EXISITING CABLE

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12
PHASE 1 & 5	◄G-/R	R	◄G-/R	R	R	R	R	R	DW	DW	DW	DW
CHANGES TO PHASES 1 & 6, 2 & 5 OR 2 & 6												
PHASE 1 & 6	◄G-/G	G	R	R	R	R	R	R	DW	DW	DW	DW
1 & 6 CHANGE	◄Y-/G	G	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 & 5	R	R	◄G-/G	G	R	R	R	R	DW	DW	DW	DW
2 & 5 CHANGE	R	R	◄G-/G	G	R	R	R	R	DW	DW	DW	DW
PHASE 2 & 6	G	G	G	G	R	R	R	R	DW	DW	DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	R	R	R	R	DW	DW	DW	DW
PHASE 4 & 8	R	R	R	R	G	G	G	G	DW	DW	DW	DW
4 & 8 CHANGE	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW
PHASE 4 & 8 ALT	R	R	R	R	G	G	G	G	WK	WK	WK	WK
PED CLEARANCE	R	R	R	R	G	G	G	G	FL/DW	FL/DW	FL/DW	FL/DW
4 & 8 ALT CHANGE	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY SHA

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
9571	SHEET ALUMINUM POLE MOUNT	SF	3
	4 - R10-4(1) (9"X12" - COASTAL HIGHWAY)		

EQUIPMENT LIST "B"

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

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
1001	MAINTENANCE OF TRAFFIC	EA	3
2002	TEST PIT EXCAVATION	CY	2
5003	REMOVAL OF EXISTING PERMANENT PAVEMENT MARKING LINES - ANY WIDTH	LF	110
5005	F&I 12" HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS	LF	365
6001	F&I DEPRESSED CURB AND GUTTER	LF	45
6004	F&I 4" CONCRETE SIDEWALK	SF	375
8001	F&I CONCRETE FOUNDATION	CY	1
8020	FURNISH AND INSTALL PEDESTAL POLE (ANY SIZE)	EA	1
8021	REMOVE & DISPOSE MATERIAL & EQUIPMENT PER ASSIGNMENT	EA	1
8029	F&I DETECTABLE WARNING SURFACES	SF	24
8033	F&I NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	35
8041	F&I 3" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	25
8057	INSTALL OVERHEAD SIGN	SF	3
8084	F&I ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 A.W.G.)	LF	30
8086	F&I ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G.)	LF	810
8099	F&I 16" LED COUNTDOWN PEDESTAL SIGNAL HEADS	EA	4
8104	F&I APS PUSHBUTTON & ASSY.	EA	4
8105	FURNISH & DELIVER APS CENTRAL CONTROL UNIT	EA	1
NEG	MODIFY EXISTING LANDSCAPE TIMBER	EA	1

EQUIPMENT LIST "C"

ALL UNUSED EQUIPMENT AND MATERIAL REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

TOD No: AT355-20
SHA: WO421A58/ B58
Worcester Co.

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 528 (COASTAL HWY.) AT 142ND STREET
OCEAN CITY, MARYLAND

GENERAL INFORMATION SHEET

RK&K
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BALTIMORE, MARYLAND 21217
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SCALE 1"= 20' DATE 01/2006 CONTRACT NO. AT3555185

DESIGNED BY TC /MRB
DRAWN BY TC /MRB
CHECKED BY DAE /SMH
FAP NO.

COUNTY WORCESTER
LOGMILE 23052800.27
TIMS NO. H292
TOD NO.

TS NO. 1435E-GI | DRAWING - OF | SHEET NO. 18 OF 18