PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING MAST ARM TRAFFIC SIGNAL AT THE INTERSECTION OF MD 528 (COASTAL HIGHWAY) AND 120TH STREET IN OCEAN CITY, WORCESTER COUNTY. THE EXISTING PERMISSIVE PHASING FOR 120TH STREET SHALL BE CONVERTED TO SPLIT PHASING AND THE MINOR ROAD SIGNAL HEADS WILL BE UPGRADED TO LED BLACK FACE.

MD 528 IS ASSUMED TO RUN IN AN NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION SHALL CONTINUE TO OPERATE IN A NEMA SIX PHASE, FULL-TRAFFIC - ACTUATED MODE WITH MD 528 APPROACHES CONTINUING TO RUN CONCURENTLY. THE EXCLUSIVE/PERMISSIVE LEFT TURN PHASES SHALL CONTINUE TO BE PROVIDED FOR BOTH APPROACHES OF MD 528. THE EXISTING PEDESTRIAN PHASES FOR MD 528 WILL REMAIN. NEW SPLIT PHASES SHALL BE PROVIDED FOR THE APPROACHES OF 120TH STREET TO RUN CONCURENTLY WITH ACTUATED PEDESTRIAN MOVEMENT ACROSS MD 528.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER SHALL REMAIN.

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO	QUANTITY	- DESCRIPTION
	NONE	

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANACE OF TRAFFIC
8003	14 EA	FURNISH AND INSTALL 12 " BLACK FACE LED SIGNAL HEAD SETION (RYG).
8006	1 EA	REMOVE AND DISPOSE OF EXISTING EXISTING EQUIPMENT PER ASSIGNMENT

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

ITEM NO	QUANTITY	DESCRIPTION

ALL REMOVED EQUIPMENT SHALL BECOME PROPERTY OF THE CONTRACTOR.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PHASE 1 AND 5	+G/R	R	+G/R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6																
PHASE 1 AND 6	+G/G	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
1 AND 6 CHANGE	+Y/G	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 AND 5	R	R	+G/G	G	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
2 AND 5 CHANGE	R	R	+Y/G	G	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 AND 6	G	G	G	G	R	R	R	R	W/K	W/K	W/K	W/K	DW	DW	DW	DW
PED CLEARANCE	G	G	G	G	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	DW	DW
2 AND 6 CHANGE	Y	Y	Y	Y	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 3	R	R	R	R	+G/G	G	R	R	DW	DW	DW	DW	DW	DW	DW	DW
3 CHANGE	R	R	R	R	Y	Y	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4	R	R	R	R	R	R	+G/G	G	DW	DW	DW	DW	DW	DW	DW	DW
4 CHANGE	R	R	R	R	R	R	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 3 ALT	R	R	R	R	+G/G	G	R	R	DW	DW	DW	DW	W/K	DW	DW	W/K
PED CLEARANCE	R	R	R	R	+G/G	G	R	R	DW	DW	DW	DW	FL/DW	DW	DW	FL/DW
3 ALT CHANGE	R	R	R	R	Y	Y	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 ALT	R	R	R	R	R	R	+G/G	G	DW	DW	DW	DW	DW	W/K	W/K	DW
PED CLEARANCE	R	R	R	R	R	R	+G/G	G	DW	DW	DW	DW	DW	FL/DW	FL/DW	DW
4 ALT CHANGE	R	R	R	R	R	R	Y	Y	DW	DW	DW	DW	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	DARK	DARK	DARK	DARK

CONTACT PERSONS FOR DISTRICT 1 ARE AS FOLLOWS:

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MR. JAMES R. WRIGHT
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
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CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

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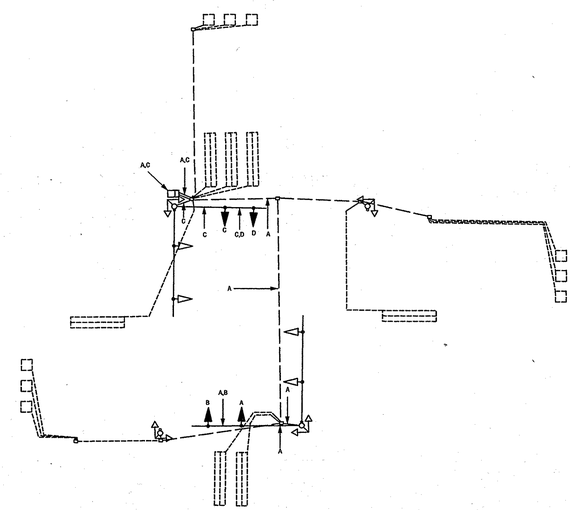
WIRING DIAGRAM



WIRING KEY

A,B,C,D - EXISTING CABLES

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

- SD - STORM DRAIN
- G - GAS MAIN
- W - WATER MAIN
- SAN - SEWER MAIN
- E - ELECTRIC CABLES
- A - AERIAL CABLES
- T - TELEPHONE CABLES
- FO - FIBER-OPTIC

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 528 AT 120TH STREET

GENERAL INFORMATION SHEET

SCALE NONE DATE 03/30/2007 CONTRACT NO. SIGNAL SHOP

DESIGNED BY H. O. COUNTY WORCESTER
DRAWN BY H. O. LOGMILE 23052801.83
CHECKED BY D. D. T.I.M.S. NO. I443
F.A.P. NO. TOD NO.

DRAWING NO. SHEET NO. 2 OF 2

PLOTTED: FRIDAY, MARCH 30, 2007 AT 11:30:54 AM
FILE: PSC-P202_I443.DGN

BY:HOGRALLO