Overhead Utilities	
Telephone	- 20.5 ft.
Telephone	- 24.2 ft.
CATV	- 25.3 ft.
Netrual	- 28.5 ft.
High Voltage	- 40.5 ft.

Overhead Utilities	
Telephone	- 20.5 ft.
MD-SHA I/C	- 22.5 ft.
Secondary	- 25.5 ft.
Neutral	- 30.5 ft.
High Voltage	- 35.5 ft.

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All signal equipment to be installed at final grade.
2. Conduits shall be installed prior to the installation of pavement markings.
3. Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with MD-SHA standards. All other pavement markings are to be considered as existing.
4. The Contractor is to remove any existing conflicting pavement markings by grinding.
5. All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. 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 appropriate Project Engineer immediately.
6. The Contractor is to remove and replace sidewalk as necessary for installation of handholes, conduits, pole base, and other foundations. This may include the reconstruction of existing ADA ramps to meet current MD-SHA standards.
7. Any traffic signal equipment out side of MD-SHA ROW will require specific easement documentation. Refer to separate documents for details.

CONSTRUCTION DETAILS

A. Install base mounted NEMA 6 cabinet/controller, and all necessary equipment.
B. Install 21 ft. high steel twin mast arm pole with monocurve 60 ft. and 45 ft. [cut from a 50 ft.] mast arms, vehicle signal heads, signs, video detection, pedestrian signal head, pedestrian pushbutton, pedestrian pushbutton sign, a 3 in. weatherhead [for interconnect cables], and all necessary equipment for an overhead electrical (MD-SHA Type B-11) service. (Note: one 2 in. PVC conduit bend,and one 4 in. PVC conduit bend).
C. Install 16.5' high steel twin mast arm pole with monocurve 60 ft. and 45 ft. [cut from a 50 ft.] mast arms, vehicle signal heads, signs, video detection, pedestrian signal head, pedestrian pushbutton, and pedestrian pushbutton sign (Note: one 3 in. PVC conduit bend).
D. Install 10 ft. steel pedestal pole on break away base with pedestrian signal head, pedestrian pushbutton, and pedestrian pushbutton sign (Note: one 2 in. PVC conduit bend).
E. Install handhole. (Remove/Replace sidewalk as necessary.)
F. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
G. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
H. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
J. Install 2 pieces of 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
K. Utilize existing Interconnect. Pull back sufficient length to run to new cabinet.
L. Replace existing Interconnect cable with new Interconnect cable up to 70th Street traffic signal.
M. Install ground mounted sign as shown.
N. Install 5 in. wide pavement marking - white for lane line.
O. Install 5 in. wide pavement marking - yellow for centerline.
P. Install 12 in. wide pavement marking - white for crosswalk.
Q. Install 24 in. wide pavement marking - white for stop line.
R. Tie to existing markings.
S. Remove existing R1-1 sign upon traffic signal activation.
T. Proposed overhead electrical service by Conectiv and overhead telephone service by Verizon.
U. Install pavement marking symbol as shown.
V. Remove existing pavement marking by grinding.
W. Existing and new interconnect cables run overhead to new cabinet.
X. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.

GEOMETRIC LEGEND

- EXISTING GEOMETRICS
- PROPOSED GEOMETRICS

UTILITY LEGEND

- G — GAS MAIN
- W — WATER MAIN
- S — SEWER MAIN
- E — ELECTRIC CABLES
- D — STORM DRAIN
- A — AERIAL CABLES
- T — TELEPHONE CABLES

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REVISIONS

APPROVALS

1-29-04 TEAM LEADER TRAFFIC ENGINEERING DESIGN DIVISION
1/30/04 ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
1/30/04 CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
2/2/04 BK DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)

MD 528 (Coastal Hwy) at 67th Street

DRAWN BY:	J. Dirndorfer	F.A.P. NO.	N/A	TS NO. 4296	SHEET NO.
CHECKED BY:	M. Rocker	S.H.A. NO.	BW996M82		
SCALE:	1" = 20'	COUNTY:	Worcester	T.I.M.S. NO.	
DATE:	January 23, 2004	LOG MILE:	23052804.42	G029	1 OF 2

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