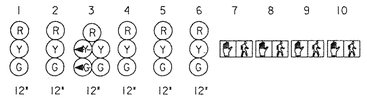
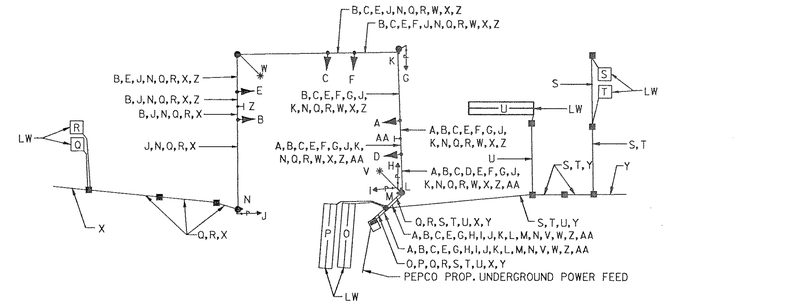


	1	2	3	4	5	6	7	8	9	10
PHASE 2 & 5	R	R	G	G	R	R	DW	DW	DW	DW
2 & 5 CHANGE	R	R	G	G	R	R	DW	DW	DW	DW
PHASE 2+6	G	G	G	G	R	R	DW	DW	DW	DW
2+6 CHANGE	Y	Y	Y	Y	R	R	DW	DW	DW	DW
ALT. PHASE 2+6	G	G	G	G	R	R	WK	WK	DW	DW
ALT. 2+6 PED. CHANGE	G	G	G	G	R	R	FL/DW	FL/DW	DW	DW
ALT. 2+6 CHANGE	Y	Y	Y	Y	R	R	DW	DW	DW	DW
PHASE 8	R	R	R	R	G	G	DW	DW	DW	DW
8 CHANGE	R	R	R	R	Y	Y	DW	DW	DW	DW
ALT. PHASE 8	R	R	R	R	G	G	DW	DW	WK	WK
ALT. 8 PED. CHANGE	R	R	R	R	G	G	DW	DW	FL/DW	FL/DW
ALT. 8 CHANGE	R	R	R	R	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	DARK	DARK	DARK	DARK

PHASING NOTES:
- Phase 2+6 is to be on recall
- Phase 2 will always be on with phase 5 or 6 never alone
- Phase 6 will always be on with phase 2 never alone
- Phase 8 will always be on alone.

PHASING CHART



WIRING LEGEND

LW	LOOP WIRE
B,C,D	7 CONDUCTOR CABLE (NO.14 A.W.G.)
A,E,F	5 CONDUCTOR CABLE (NO.14 A.W.G.)
G-J,Z,AA	3 CONDUCTOR CABLE (NO.14 A.W.G.)
K-N	2 CONDUCTOR CABLE (NO.14 A.W.G.)
O-U	2 CONDUCTOR (ALUMINUM SHIELDED)
V,W	2 CONDUCTOR TRAY CABLE (NO.12 A.W.G.)
X,Y	3 PAIR (NO.19 A,W,G,) COMMUNICATION CABLE

WIRING DIAGRAM

GENERAL

This project includes construction of new traffic signals at Arena Drive and Brightseat Road and Arena Drive at USAIR Arena entrance, also the interconnect cables along Arena Drive between Brightseat Road and the existing traffic signal at Arena Drive and Lottsford Road. The interconnect project includes conduits under new pavement at the intersection of Arena Drive at proposed Ramps A and B and the intersection of Arena Drive at future Ramps C and D.

INTERSECTION OPERATION

The intersection of Arena Drive at USAir Arena entrance will operate in a NEMA (4) four phase fully traffic actuated mode with Arena Drive approaches operating concurrently with exclusive/permissive left turn for westbound traffic and alternative pedestrian phase on the south side of the intersection. USAir Arena entrance approaches will operate concurrently with alternative pedestrian phase on east side of the intersection.

A fully actuated traffic signal controller in base-mounted cabinet shall be installed at the intersection.

Brightseat Road is assumed to run in a North-South direction.

GENERAL NOTES

1. CONTRACTOR MUST VERIFY LOCATION OF ALL PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
2. CONTRACTOR MUST VERIFY LOCATION OF ALL PROPOSED AND EXISTING UTILITIES PRIOR TO ANY WORK.
3. THE LOOP DETECTORS AND CONDUITS MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.
4. ANY DAMAGE TO UTILITIES INCURED DURING OR AS A RESULT OF THIS CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
5. ALL TRAFFIC SIGNAL INSTALLATION WORK SHALL BE IN ACCORDANCE WITH THE "SPECIFICATION AND STANDARDS FOR TRAFFIC CONTROL SIGNALS" OF THE PRINCE GEORGE'S COUNTY DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION, SUPERCEDES JUNE 1992, REVISED OCTOBER 1995.
6. THE CONTRACTOR SHALL INSTALL ALL CONDUITS PRIOR TO COMMENCING ANY PAVEMENT OPERATIONS.

SS-4

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
PRINCE GEORGE'S COUNTY, MARYLAND

GENERAL INFORMATION
ARENA DRIVE @ USAIR ARENA ENTRANCE

RUMMEL, KLEPPER & KAHL
CONSULTING ENGINEERS
81 MOSHER STREET
BALTIMORE, MARYLAND 21217
TELE:(410)728-2900 FAX:(410)728-2992

REVISIONS:

SCALE: NONE	DWG. 144 OF 188
APPROVED 8/21/96 DATE — FOR BETTY HAGER FRANCIS, DIRECTOR	
DESIGNED: Z.A.J.	PROJECT NO. P-189-Z-172
DRAWN: Z.A.J.	
CHECKED: 8/19/96 MPR	ROAD NO. / JOB NO.
APPRVED: CHIEF, HIGHWAYS AND BRIDGES — DATE 8/20/96	FILE NO. 39/16

08/14/96 08:55:56
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