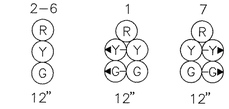
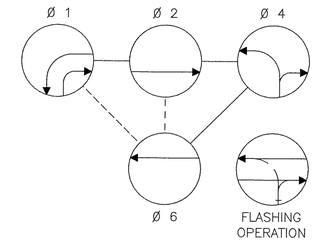
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

MD 32 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED SIGNAL HEADS

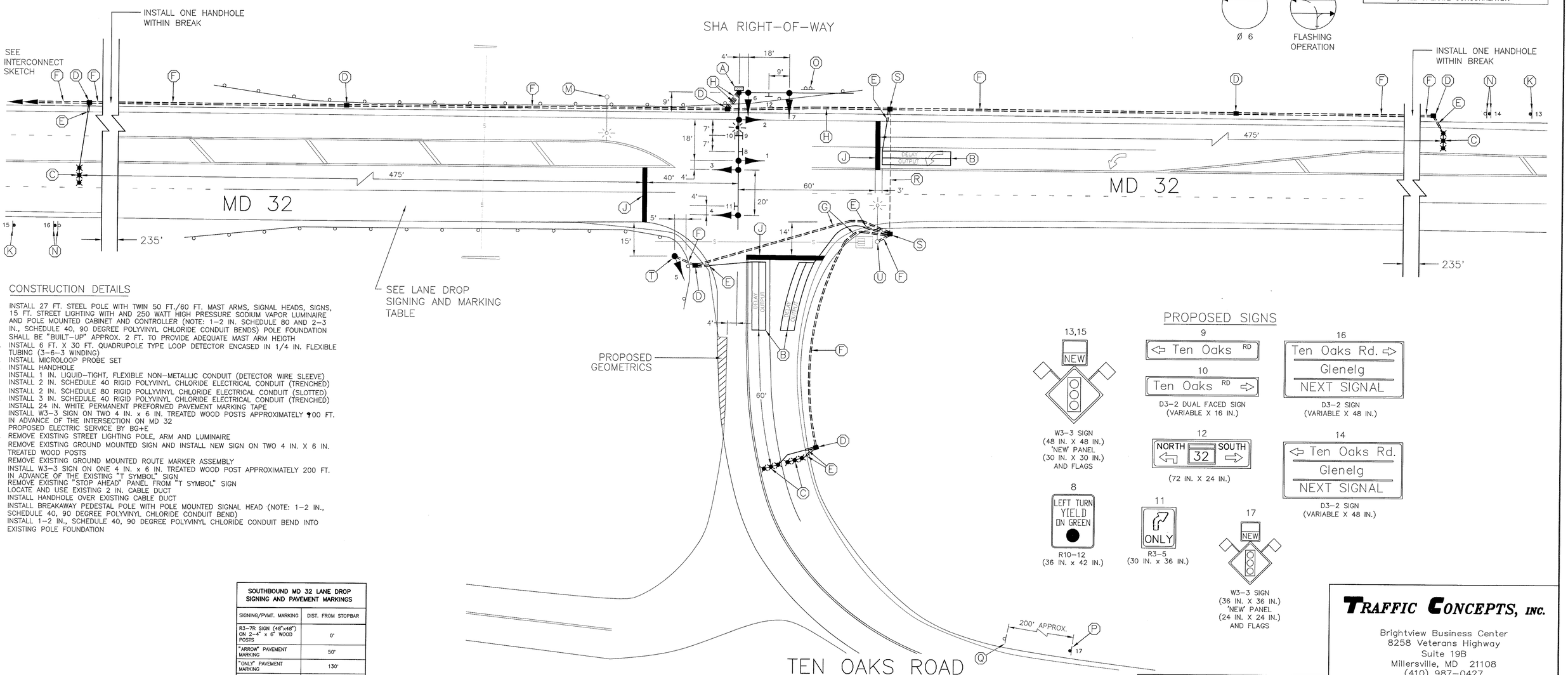


NEMA PHASING



PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

A. INSTALL 27 FT. STEEL POLE WITH TWIN 50 FT./60 FT. MAST ARMS, SIGNAL HEADS, SIGNS, 15 FT. STREET LIGHTING WITH AND 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE AND POLE MOUNTED CABINET AND CONTROLLER (NOTE: 1-2 IN. SCHEDULE 80 AND 2-3 IN., SCHEDULE 40, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BENDS) POLE FOUNDATION SHALL BE "BUILT-UP" APPROX. 2 FT. TO PROVIDE ADEQUATE MAST ARM HEIGTH
B. INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (3-6-3 WINDING)
C. INSTALL MICROLOOP PROBE SET
D. INSTALL HANDHOLE
E. INSTALL 1 IN. LIQUID-TIGHT, FLEXIBLE NON-METALLIC CONDUIT (DETECTOR WIRE SLEEVE)
F. INSTALL 2 IN. SCHEDULE 40 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED)
G. INSTALL 2 IN. SCHEDULE 80 RIGID POLLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED)
H. INSTALL 3 IN. SCHEDULE 40 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED)
J. INSTALL 24 IN. WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
K. INSTALL W3-3 SIGN ON TWO 4 IN. x 6 IN. TREATED WOOD POSTS APPROXIMATELY 700 FT. IN ADVANCE OF THE INTERSECTION ON MD 32
L. PROPOSED ELECTRIC SERVICE BY BG+E
M. REMOVE EXISTING STREET LIGHTING POLE, ARM AND LUMINAIRE
N. REMOVE EXISTING GROUND MOUNTED SIGN AND INSTALL NEW SIGN ON TWO 4 IN. X 6 IN. TREATED WOOD POSTS
O. REMOVE EXISTING GROUND MOUNTED ROUTE MARKER ASSEMBLY
P. INSTALL W3-3 SIGN ON ONE 4 IN. x 6 IN. TREATED WOOD POST APPROXIMATELY 200 FT. IN ADVANCE OF THE EXISTING "T SYMBOL" SIGN
Q. REMOVE EXISTING "STOP AHEAD" PANEL FROM "T SYMBOL" SIGN
R. LOCATE AND USE EXISTING 2 IN. CABLE DUCT
S. INSTALL HANDHOLE OVER EXISTING CABLE DUCT
T. INSTALL BREAKAWAY PEDESTAL POLE WITH POLE MOUNTED SIGNAL HEAD (NOTE: 1-2 IN., SCHEDULE 40, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND)
U. INSTALL 1-2 IN., SCHEDULE 40, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND INTO EXISTING POLE FOUNDATION

PROPOSED SIGNS

SOUTHBOUND MD 32 LANE DROP SIGNING AND PAVEMENT MARKINGS	
SIGNING/PVMT. MARKING	DIST. FROM STOPBAR
R3-7R SIGN (48"x48") ON 2-4" x 6" WOOD POSTS	0'
"ARROW" PAVEMENT MARKING	50'
"ONLY" PAVEMENT MARKING	130'
"ARROW" PAVEMENT MARKING	210'
R3-7R SIGN (48"x48") ON 2-4" x 6" WOOD POSTS	410'
"ARROW" PAVEMENT MARKING	610'
"ONLY" PAVEMENT MARKING	690'
"ARROW" PAVEMENT MARKING	770'
R3-7R SIGN (48"x48") ON 2-4" x 6" WOOD POSTS	770'

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

LOG MILE NO. 13032016-35

TRAFFIC CONCEPTS, INC.
Brightview Business Center
8258 Veterans Highway
Suite 19B
Millersville, MD 21108
(410) 987-0427

REVISIONS	APPROVALS	REVISIONS
	5/7/97 ASSISTANT DIVISION CHIEF	
	5/7/97 ASST. DISTRICT ENGINEER, TRAFFIC	
	5/7/97 CHIEF, TRAFFIC ENGINEERING DESIGN DIV.	
	5/7 DIRECTOR, OFFICE OF TRAFFIC & SAFETY	

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNALIZATION PLAN
MD 32 AND TEN OAKS ROAD

DATE: 4-30-97	DRAWN BY: T. ZAYDEL	F.A.P. NO. STPG-0005(495)E	PLAN SHEET NO.: TS-3662	SHEET NO. 1 OF 1
SCALE: 1" =20'	DESIGNED BY: T. ZAYDEL	S.H.A. NOS.: AW115495A, AW115595A, AW115495A		
APPROVED BY:	CHECKED BY: K. SCHMID	COUNTY HOWARD		