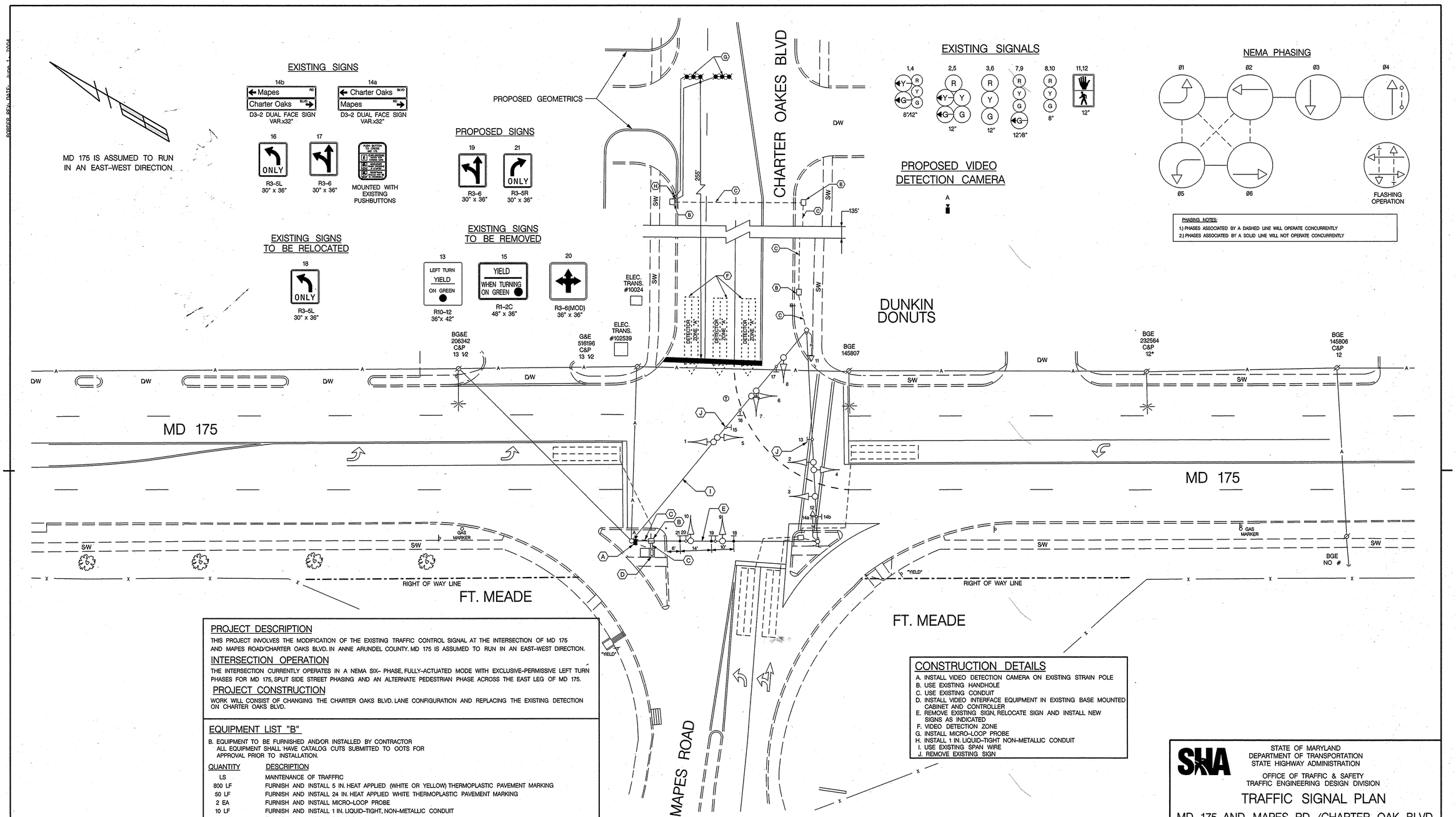

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 175 AND MAPES ROAD/CHARTER OAKS BLVD. IN ANNE ARUNDEL COUNTY. MD 175 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A NEMA SIX- PHASE, FULLY-ACTUATED MODE WITH EXCLUSIVE-PERMISSIVE LEFT TURN PHASES FOR MD 175, SPLIT SIDE STREET PHASING AND AN ALTERNATE PEDESTRIAN PHASE ACROSS THE EAST LEG OF MD 175.

PROJECT CONSTRUCTION

WORK WILL CONSIST OF CHANGING THE CHARTER OAKS BLVD. LANE CONFIGURATION AND REPLACING THE EXISTING DETECTION ON CHARTER OAKS BLVD.

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR
ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR APPROVAL PRIOR TO INSTALLATION.

QUANTITY	DESCRIPTION
LS	MAINTENANCE OF TRAFFFIC
800 LF	FURNISH AND INSTALL 5 IN. HEAT APPLIED (WHITE OR YELLOW) THERMOPLASTIC PAVEMENT MARKING
50 LF	FURNISH AND INSTALL 24 IN. HEAT APPLIED WHITE THERMOPLASTIC PAVEMENT MARKING
2 EA	FURNISH AND INSTALL MICRO-LOOP PROBE
10 LF	FURNISH AND INSTALL 1 IN. LIQUID-TIGHT, NON-METALLIC CONDUIT
150 LF	FURNISH AND INSTALL SAWCUT
6 EA	FURNISH AND INSTALL HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING ARROW
4 EA	FURNISH AND INSTALL HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING LETTER
1 EA	FURNISH AND INSTALL VIDEO DETECTION CAMERA AND CABLE
3 EA	REMOVE EXISTING OVERHEAD SIGNS
1 EA	FURNISH AND INSTALL R3-6 SIGN (30" X36") SPAN WIRE MOUNT
1 EA	FURNISH AND INSTALL R3-5R SIGN (30" X36") SPAN WIRE MOUNT
2 EA	FURNISH AND INSTALL R3-7R SIGN (30" X30") GROUND WIRE MOUNT
30 LF	FURNISH AND INSTALL 4 IN. X 4IN. TREATED WOOD SIGN SUPPORT
1 EA	RELOCATE EXISTING OVERHEAD SIGN
1 EA	VIDEO INTERFACE EQUIPMENT

CONSTRUCTION DETAILS

A. INSTALL VIDEO DETECTION CAMERA ON EXISTING STRAIN POLE
B. USE EXISTING HANDHOLE
C. USE EXISTING CONDUIT
D. INSTALL VIDEO INTERFACE EQUIPMENT IN EXISTING BASE MOUNTED CABINET AND CONTROLLER
E. REMOVE EXISTING SIGN, RELOCATE SIGN AND INSTALL NEW SIGNS AS INDICATED
F. VIDEO DETECTION ZONE
G. INSTALL MICRO-LOOP PROBE
H. INSTALL 1 IN. LIQUID-TIGHT NON-METALLIC CONDUIT
I. USE EXISTING SPAN WIRE
J. REMOVE EXISTING SIGN

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

TRAFFIC CONCEPTS, INC.
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(410) 923-7101
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APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

C — ADD E.P.L.T. FOR E.B. MD 175
D — ADD VIDEO DETECTION FOR MAPES ROAD — 6-25-04 — SHA NO. BW-096M82
E — ADD VIDEO DETECTION FOR CHARTER OAKS BLVD. — 6-27-07 — SHA NO. BW-996M82
TMZ — W.S.

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNAL PLAN

MD 175 AND MAPES RD /CHARTER OAK BLVD

SCALE	1" = 20'	DATE	5-1-82
CONTRACT NO.	AA799-X-575		
DESIGNED BY	T. M. ZAYDEL	COUNTY	ANNE ARUNDEL
DRAWN BY	T. M. ZAYDEL	LOGMILE	02017505.30
CHECKED BY		T.I.M.S. NO.	I 428
F.A.P. NO.	NA	TOD NO.	
DRAWING NO.	TS-162E	SHEET NO.	1 OF 2

DRILL HOLES
DRILL HOLES
DRILL HOLES

SHSHA REV. DATE: June 1, 2004

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