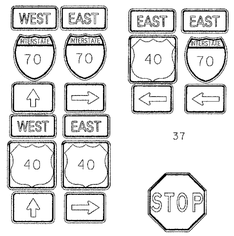
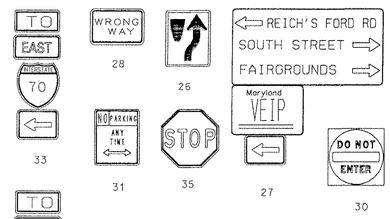
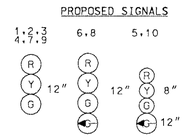
EXISTING SIGN (TO BE REMOVED)



EXISTING SIGNS (TO REMAIN)



PROPOSED SIGNALS

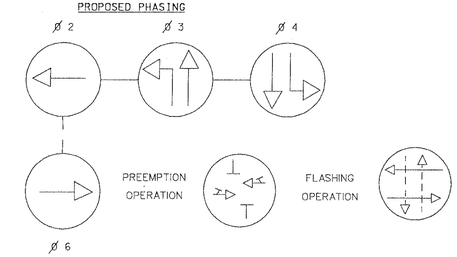


Reich's Ford Road is assumed to run in an East/West direction

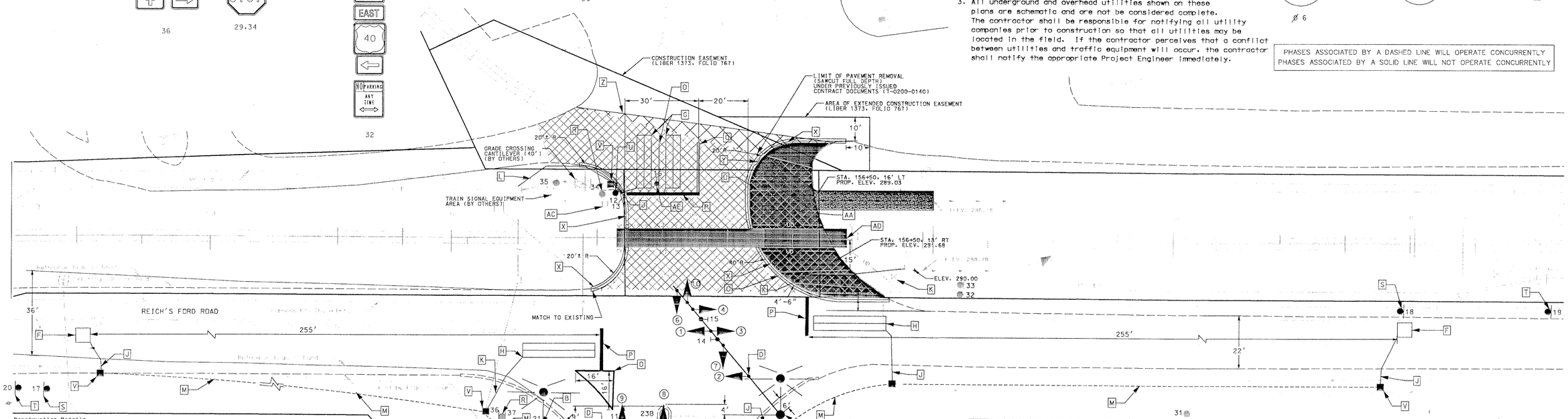
Notes

1. The Maryland Department of Transportation, State Highway Administration "Standard Specifications for Construction and Materials" and general provisions for construction contract documents and the contract plans are the governing provisions applicable to this project.
2. Geometrics shall be confirmed prior to installation of signal equipment. All signal equipment to be installed at final grade.
3. All underground and overhead utilities shown on these plans are schematic and are not 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 utilities and traffic equipment will occur, the contractor shall notify the appropriate Project Engineer immediately.

PROPOSED PHASING



PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



Construction Details

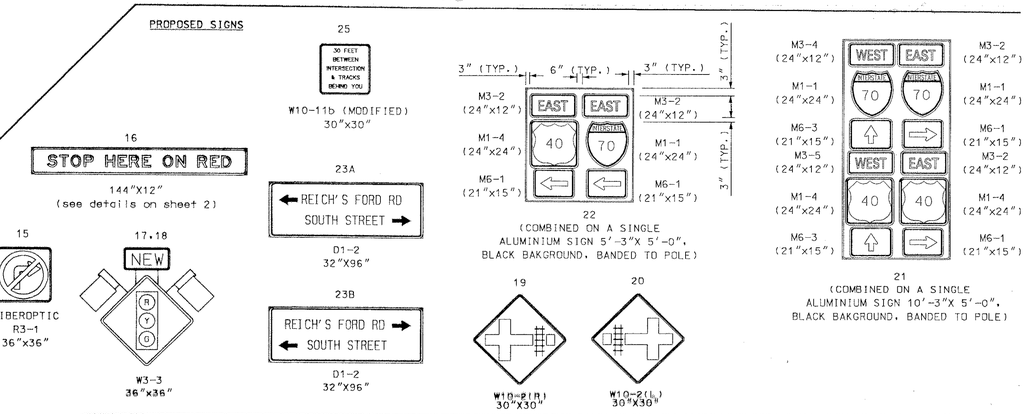
A. Install an eight-phase fully actuated controller housed in base mounted NEMA size 6 cabinet with control and distribution equipment (meter socket and connect load side conductors).
B. Install 27' mast arm pole with a 15' luminaire and a 50' mast arm with one 3" PVC conduit bend.
C. Install 27' mast arm pole with a 15' luminaire and a 70' mast arm with one 3" PVC conduit bend.
D. Install signal heads, fiberoptic signs and proposed signs on mast arm.
E. Install 3" electrical conduit schedule 80 PVC riser.
F. Install 6'x6' loop detectors, encased in ¼" flexible tubing, 4 turns.
G. Install 6'x22' loop detectors encased in ¼" flexible tubing, 3-6-3 turns.
H. Install 6'x30' loop detectors encased in ¼" flexible tubing, 3-6-3 turns.
J. Install 1" liquid tight flexible non-metallic conduit for detector sleeve.
K. Relocate existing foundation for grade crossing flashers and install 1" schedule 80 rigid PVC electrical conduit - trenched.
L. Install 2" schedule 80 rigid PVC electrical conduit - trenched.
M. Install 3" schedule 80 rigid PVC electrical conduit - trenched.
N. Install 4" schedule 80 rigid PVC electrical conduit - bored.
O. Install 5" white heat applied permanent thermoplastic pavement marking.
P. Install 24" white heat applied permanent thermoplastic pavement marking.
Q. Install 5" double solid yellow heat applied permanent thermoplastic pavement marking.
R. Remove existing pole and sign.
S. Install 4"x4" wooden post with sign, 325' from stop bar (for 60 days only).
T. Install 4"x4" wooden post with sign, 400' from stop bar.
U. Install 4"x4" wooden post with signs.
V. Install electrical handhole.
W. Remove existing sign.
X. Install standard SHA type A concrete curb and gutter (nose down ends)
Y. Install standard SHA concrete curb cut at low point.
Z. Extend limit of pavement removal (sawcut full depth) and type A pavement.
AA. Remove existing pavement to subgrade backfill and grade to match previously issued contract documents. Replace 4" topsoil and seed on disturbed areas which will not be paved or receive riprap, ballast or subballast and slope to drain.
AB. Construct 80 ± LF class 1 riprap ditch with class "c" filter cloth. See sheet 147 of contract documents (T-0200-0140).
AC. Remove grade crossing gate (bell and pole remain).
AD. Remove timber and fillers.
AE. Install "STOP HERE ON RED" sign (144"x12") on grade crossing cantilever.

PROPOSED POLE TO REPLACE EXISTING POLE (WITHIN EXISTING R.O.W.) (SUPPLIED AND INSTALLED BY ALLEGHENY POWER)

UTILITY LEGEND

—— G —— G ——	GAS MAIN
—— W —— W ——	WATER MAIN
—— S —— S ——	SEWER MAIN
—— E —— E ——	ELECTRIC CABLES
—— A —— A ——	AERIAL CABLES
—— T —— T ——	TELEPHONE CABLES
——SD ——SD ——	STORM DRAIN
——UD ——UD ——	UNDER DRAIN

PROPOSED SIGNS



REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION 5/1/01
	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION 05.01.01
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY 05/02/01

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION SIGNAL PLAN
REICH'S FORD ROAD, GENSTAR NO. 3 DRIVEWAY AND I-70 RAMPS

BW332-MB3

DRAWN BY: RAMI SHAKRA	F.A.P. NO. N/A	TS NO. 4085	SHEET NO.
CHECKED BY: MAUREEN DECKER	MTA NO. T-0200-0140		
SCALE: 1"=20'	COUNTY: FREDERICK	T.I.M.S. NO. E424	01 OF 02
DATE: 4-24-01	LOG MILE: MU1405@I-70,0.40		