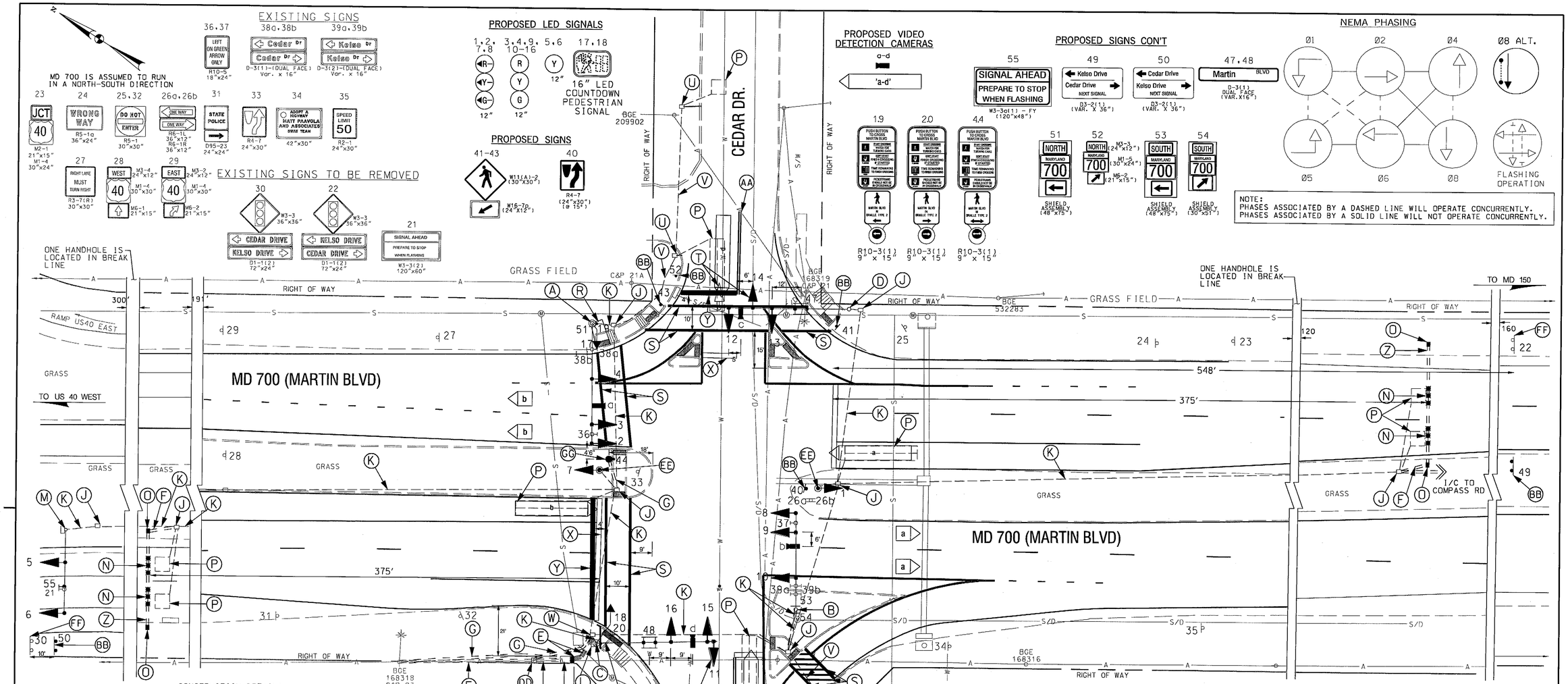

CONSTRUCTION DETAILS

A. USE EXISTING STEEL POLE AND MAST ARM. INSTALL NEW APS PUSH BUTTON AND SIGN. COUNTDOWN PEDESTRIAN SIGNAL. VIDEO DETECTION CAMERA. POLE MOUNTED SIGN AND REPLACE EXISTING SIGNAL MODULES WITH LED MODULES.
B. USE EXISTING STEEL POLE AND MAST ARM. INSTALL NEW VIDEO DETECTION CAMERA. POLE MOUNTED SIGN AND REPLACE EXISTING SIGNAL MODULES WITH LED MODULES.
C. USE EXISTING STEEL POLE AND MAST ARM. INSTALL NEW APS PUSHBUTTON AND SIGN. COUNTDOWN PEDESTRIAN SIGNAL. VIDEO DETECTION CAMERA. OVERHEAD SIGN AND REPLACE EXISTING SIGNAL MODULES WITH LED MODULES.
D. USE EXISTING STEEL POLE AND MAST ARM. INSTALL NEW VIDEO DETECTION CAMERA AND REPLACE EXISTING SIGNAL MODULES WITH LED MODULES.
E. INSTALL 4 INCH PVC (SCHEDULE 80). TRENCHED.
F. INSTALL 3 INCH PVC (SCHEDULE 80). TRENCHED.
G. INSTALL 2 INCH PVC (SCHEDULE 80). TRENCHED.
J. USE EXISTING HANDHOLE.
K. USE EXISTING CONDUIT.
L. REMOVE EXISTING CABINET.
M. USE EXISTING STEEL POLE. REPLACE EXISTING SIGNAL MODULES WITH LED MODULES. REMOVE EXISTING SIGN AND REPLACE WITH NEW FLUORESCENT YELLOW SIGN.
N. INSTALL NON-INVASIVE MICROLOOP PROBE SET. WITH UP TO 1000' LEAD IN CABLE.
O. INSTALL HANDHOLE.
P. ABANDON EXISTING LOOP DETECTORS AND ALL ASSOCIATED WIRING.
Q. REMOVE EXISTING CURB AND INSTALL NEW TYPE "A" CURB. 5" CONCRETE SIDEWALK AND DETECTABLE WARNING SURFACE.
R. INSTALL 5' X 5' CONCRETE SIDEWALK.
S. INSTALL 12" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (CROSSWALK).
T. REMOVE 8" SIGNAL HEADS AND REPLACE WITH 12" LED SIGNAL HEADS AS SHOWN ON PLAN.
U. ABANDON EXISTING HANDHOLE.
V. ABANDON AND CAP EXISTING CONDUIT.
W. USE EXISTING HANDHOLE. PULL BACK SIGNAL CABLES FROM EXISTING CABINET AND REROUTE TO PROPOSED CABINET. REMOVE CABLES BEING REPLACED AS SHOWN ON WIRING DIAGRAM.
X. REMOVE EXISTING PAVEMENT MARKING.
Y. INSTALL 24" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE).
Z. INSTALL 3" POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT-BORED.
AA. INSTALL 5 INCH DOUBLE YELLOW LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS.
BB. INSTALL GROUND MOUNTED SIGN AND SUPPORT.
CC. INSTALL SIZE & BASE MOUNTED CABINET AND CONTROLLER AND ALL THE NECESSARY EQUIPMENT (NOTE: INSTALL 2-2"AND 2-4" (SCHEDULE 80). 90 DEGREES CONDUIT BENDS)
DD. INSTALL EMBEDDED METERED SERVICE PEDESTAL.
EE. USE EXISTING STEEL POLE. REPLACE EXISTING SIGNAL MODULES WITH LED MODULES.
FF. REMOVE GROUND MOUNTED SIGN AND SUPPORT
GG. INSTALL 5 FT. BREAKAWAY PEDESTAL POLE ON MODIFIED BASE WITH AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON AND SIGN (INSTALL 1-2" SCHEDULE 80. 90 DEGREE BEND. SEE STD.MD 801.01-01 FOR FOUNDATION DETAIL)

GENERAL NOTES:

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
3. REMOVE ALL ABANDONED AND UNUSED SIGNAL CABLE FROM CONDUIT AND HANDHOLES
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
5. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
6. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60"X60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
7. ALL CONDUIT ENDING AT A UTILITY POLE SHALL BE STUBBED OUT ONE (1) FOOT ABOVE GROUND.
8. THE CONTRACTOR SHALL REMOVE SIDEWALK/CONCRETE. INSTALL SIGNAL EQUIPMENT AND TRENCHED CONDUIT AND REPLACE SIDEWALK/CONCRETE FOR SIGNAL EQUIPMENT IN SIDEWALK/CONCRETE.
9. DETECTABLE WARNING SURFACES SHALL BE RED CLAY BRICK PAVERS.

GENERAL NOTES CON'T:

10. THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON. NOT CENTER TO CENTER OF POLE.
11. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
12. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSH-BUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2 AND THE NCHRP PUBLICATION. "ACCESSIBLE PEDESTRIAN SIGNALS:GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED. APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

SD — STORM DRAIN
G — GAS MAIN
W — WATER MAIN
S — SEWER MAIN
E — ELECTRIC CABLES
A — AERIAL CABLES
T — TELEPHONE CABLES
F — FIBER-OPTIC

PARSONS BRINCKERHOFF
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Baltimore, MD 21201-2727
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Fax: 410-727-4608

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR
ORIGINAL ON FILE

REVISIONS
C. INTALL LED HEADS, VIDEO DETECTION AND APS/PB ACROSS MD700 — TMS# J639
CONTRACT # BA1195129 — 6/1/09
KMP
B. ADDEPT OF LEFT-TURNS TO EXCLUSIVE LEFT TURNS AND REPLACE SIGNAL HEADS WITH BLACK FACE SIGNAL HEADS — F778
SHA NO. AT0805085 — 10/1/2003
DLA
A. REVISED THE LOCATION OF HB TO ALLOW FOR OVERHAD SERVICE
SHA NO. B-809-501-485 — 3/5/98
JAH MAR DAZ BRK TH

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 700 AT KELSO DRIVE/CEDAR DRIVE
MIDDLE RIVER, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE 06/11/1985 CONTRACT NO. B-809-501-485

DESIGNED BY M. SCHNEIDER
DRAWN BY
CHECKED BY E. MILESKY
FAP NO.
COUNTY BALTIMORE
LOGMILE 03070001.75
TIMS NO. J639
TOD NO.

TS NO. 2088C DRAWING SP-21 OF 39 SHEET NO. 1 OF 2

PLOTTED: $DATETIME$
FILE: T:\173089a_DistrictsTraffic\trf\Task 4_TEDD Stimulus\Plans\MD700_Cedar-Kelso_GP.dgn