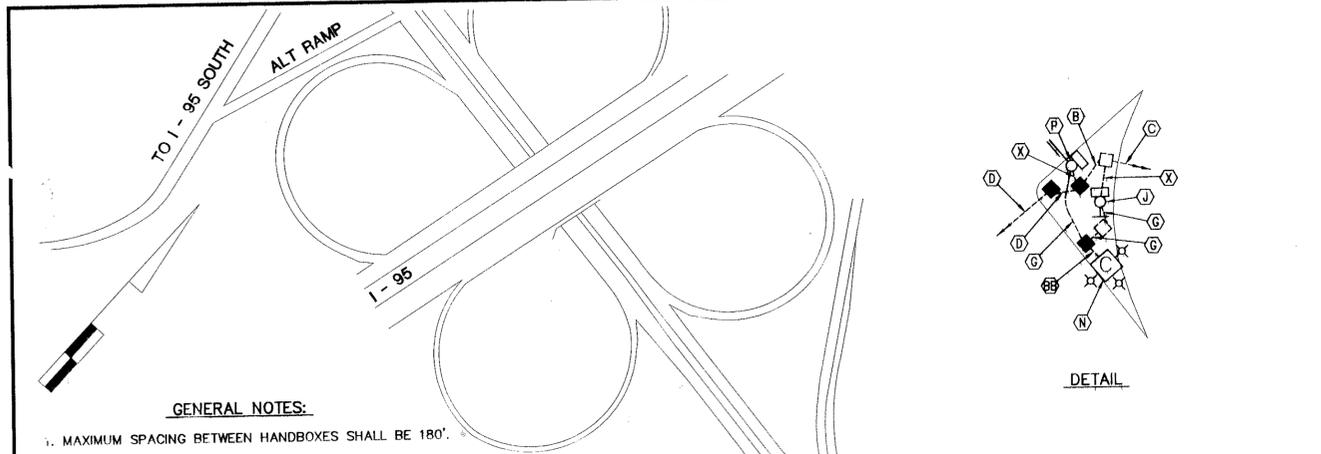


F. H. WA. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
	MD.			



GENERAL NOTES:

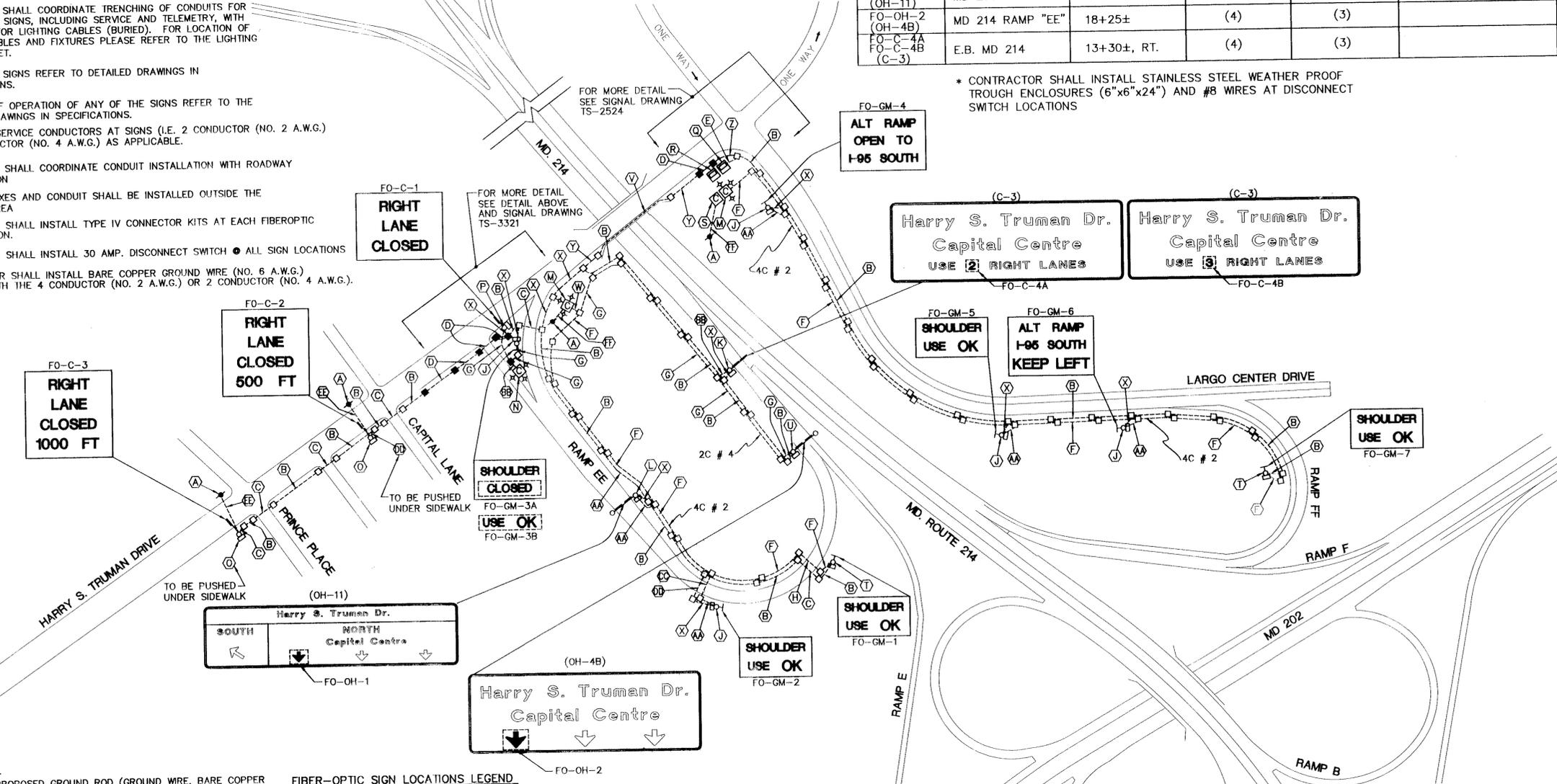
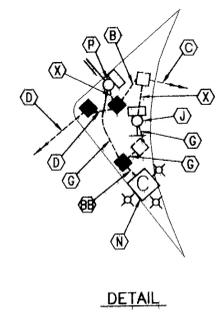
- MAXIMUM SPACING BETWEEN HANDBOXES SHALL BE 180'.
- CONTRACTOR SHALL COORDINATE TRENCHING OF CONDUITS FOR FIBER-OPTIC SIGNS, INCLUDING SERVICE AND TELEMETRY, WITH TRENCHING FOR LIGHTING CABLES (BURIED). FOR LOCATION OF LIGHTING CABLES AND FIXTURES PLEASE REFER TO THE LIGHTING LAYOUT SHEET.
- FOR SIZE OF SIGNS REFER TO DETAILED DRAWINGS IN SPECIFICATIONS.
- FOR MODE OF OPERATION OF ANY OF THE SIGNS REFER TO THE DETAILED DRAWINGS IN SPECIFICATIONS.
- ALTERNATE SERVICE CONDUCTORS AT SIGNS (I.E. 2 CONDUCTOR (NO. 2 A.W.G.) OR 2 CONDUCTOR (NO. 4 A.W.G.) AS APPLICABLE.
- CONTRACTOR SHALL COORDINATE CONDUIT INSTALLATION WITH ROADWAY CONSTRUCTION.
- ALL HANDBOXES AND CONDUIT SHALL BE INSTALLED OUTSIDE THE SIDEWALK AREA.
- CONTRACTOR SHALL INSTALL TYPE IV CONNECTOR KITS AT EACH FIBEROPTIC SIGN LOCATION.
- CONTRACTOR SHALL INSTALL 30 AMP. DISCONNECT SWITCH @ ALL SIGN LOCATIONS.
- CONTRACTOR SHALL INSTALL BARE COPPER GROUND WIRE (NO. 6 A.W.G.) JOINTLY WITH THE 4 CONDUCTOR (NO. 2 A.W.G.) OR 2 CONDUCTOR (NO. 4 A.W.G.).

FIBEROPTIC SIGN LOCATIONS					
SIGN NO.	ROADWAY	STATION	LATERAL CLEARANCE CODE	VERTICAL CLEARANCE CODE	REMARKS
FO-GM-1	MD 214 RAMP "EE"	22+70±, LT.	(2)	(1)	* SEE NOTE BELOW
FO-GM-2	MD 214 RAMP "EE"	26+30±, LT.	(2)	(1)	* SEE NOTE BELOW
FO-GM-3A FO-GM-3B	MD 214 RAMP "EE"	37+30±, LT.	(3)	(1)	
FO-GM-4	E.B. LARGO CENTER DR.	202+80±, RT.	(3)	(1)	* SEE NOTE BELOW
FO-GM-5	E.B. LARGO CENTER DR.	209+00±, RT.	(3)	(1)	* SEE NOTE BELOW
FO-GM-6	E.B. LARGO CENTER DR.	213+00±, RT.	(5)	(1)	* SEE NOTE BELOW
FO-GM-7	MD 214 RAMP "FF"	12+00±, RT.	(3)	(1)	* SEE NOTE BELOW
FO-C-1	N.B. HARRY S. TRUMAN DR.	19+20±, RT.	(1)	(2)	CENTER SIGN VERTICALLY ON MAST ARM THEN RAKE POLE TO OBTAIN REQUIRED CLEARANCE
FO-C-2	N.B. HARRY S. TRUMAN DR.	14+30±, RT.	(1)	(2)	
FO-C-3	N.B. HARRY S. TRUMAN DR.	9+20±, RT.	(1)	(2)	
FO-OH-1 (OH-11)	MD 214 RAMP "EE"	32+20±	(4)	(3)	* SEE NOTE BELOW
FO-OH-2 (OH-4B)	MD 214 RAMP "EE"	18+25±	(4)	(3)	
FO-C-4A FO-C-4B (C-3)	E.B. MD 214	13+30±, RT.	(4)	(3)	

* CONTRACTOR SHALL INSTALL STAINLESS STEEL WEATHER PROOF TROUGH ENCLOSURES (6"x6"x24") AND #8 WIRES AT DISCONNECT SWITCH LOCATIONS

CONSTRUCTION DETAILS

- LOCATION OF PROPOSED POWER SOURCE (APPROXIMATE)
- INSTALL 2" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) WITH 12-PAIR VOICE GRADE TELEMETRY CABLE (JELLY-FILLED).
- INSTALL 2" GALVANIZED STEEL ELECTRICAL CONDUIT (PUSHED) WITH 12-PAIR VOICE GRADE TELEMETRY CABLE (JELLY-FILLED).
- USE 3" ELECTRICAL CONDUIT (INSTALLED FOR THE TRAFFIC SIGNAL) INSTALL 12-PAIR VOICE GRADE TELEMETRY CABLE (JELLY-FILLED).
- USE 3" ELECTRICAL CONDUIT (INSTALLED FOR THE TRAFFIC SIGNAL). INSTALL 4 RUNS OF 12-PAIR VOICE GRADE TELEMETRY CABLE (JELLY-FILLED).
- INSTALL 3" GALVANIZED STEEL ELECTRICAL CONDUIT (TRENCHED) WITH 4-CONDUCTOR ELECTRICAL CABLE (NO. 2 A.W.G.).
- INSTALL 3" GALVANIZED STEEL ELECTRICAL CONDUIT (TRENCHED) WITH 2-CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.).
- INSTALL 3" GALVANIZED STEEL ELECTRICAL CONDUIT (PUSHED) WITH 4-CONDUCTOR ELECTRICAL CABLE (NO. 2 A.W.G.).
- INSTALL 14' PEDESTAL POLE WITH FIBER-OPTIC SIGN, POLE MOUNTED CABINET, AND DISCONNECT SWITCH (NOTE: INSTALL ONE 3" GALVANIZED AND ONE 2" PVC 90 DEGREE ELBOW).
- INSTALL POLE MOUNTED CABINET AND DISCONNECT SWITCH ONTO PROPOSED CANTILEVER SIGN STRUCTURE (SEE SIGNING PLANS).
- INSTALL POLE MOUNTED CABINET AND DISCONNECT SWITCH ONTO PROPOSED OVERHEAD SIGN STRUCTURE (SEE SIGNING PLANS).
- INSTALL ELECTRICAL DISTRIBUTION PANEL FOR 120V, 200 AMP SERVICE, METER SOCKET DISCONNECT SWITCH AND GROUND RODS (NOTE: INSTALL ONE 3" GALVANIZED 90 DEGREE ELBOW).
- INSTALL ELECTRICAL DISTRIBUTION PANEL FOR 120V, 100 AMP SERVICE, METER SOCKET DISCONNECT SWITCH AND GROUND RODS (NOTE: INSTALL ONE 3" GALVANIZED 90 DEGREE ELBOW). REFER TO SIGNAL PLAN TS-3321 FOR EXACT LOCATION.
- INSTALL 21' STEEL POLE WITH A 40' MAST ARM, FIBER-OPTIC SIGN, POLE MOUNTED CABINET, 30 AMP SERVICE, METER, SOCKET, DISCONNECT SWITCH AND GROUND ROD. CUT MAST ARM TO 20' LENGTH (NOTE: INSTALL ONE 2" PVC AND ONE 3" GALVANIZED 90 DEGREE ELBOW).
- INSTALL FIBER-OPTIC SIGN AND POLE MOUNTED CABINET ONTO MAST ARM (SEE TRAFFIC SIGNAL PLAN TS-3321)
- BASE MOUNTED CONTROLLER (SEE THE TRAFFIC SIGNAL PLAN TS-2524)
- BASE MOUNTED MASTER CONTROLLER (SEE THE TRAFFIC SIGNAL PLAN TS-2524)
- ELECTRICAL DISTRIBUTION PANEL FOR STREET LIGHTING. (SEE LIGHTING PLANS)
- INSTALL 14' PEDESTAL POLE WITH FIBER-OPTIC SIGN, POLE MOUNTED CABINET, DISCONNECT SWITCH AND GROUND ROD (NOTE: INSTALL ONE 3" GALVANIZED AND ONE 2" PVC 90 DEGREE ELBOW).
- INSTALL POLE MOUNTED CABINET, DISCONNECT SWITCH AND GROUND ROD ONTO PROPOSED OVERHEAD SIGN STRUCTURE (SEE OH-4B OF SIGNING PLANS).
- INSTALL 3 RUNS OF 12 PAIR VOICE GRADE TELEMETRY CABLE (JELLY-FILLED) ONTO EXISTING 4" CONDUIT IN BRIDGE PARAPET (USE BOTTOM CONDUIT). DO NOT PLACE CABLE JOINTLY WITH LIGHTING CABLE
- INSTALL 3" GALVANIZED STEEL ELECTRICAL CONDUIT (TRENCHED) WITH 2-CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.) AND 4-CONDUCTOR ELECTRICAL CABLE (NO. 2 A.W.G.).
- INSTALL 2" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) WITH 2 RUNS OF 12-PAIR VOICE GRADE TELEMETRY CABLE (JELLY-FILLED).
- INSTALL 3" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) WITH 3 RUNS OF 12-PAIR VOICE GRADE TELEMETRY CABLE (JELLY-FILLED).
- USE 3" ELECTRICAL CONDUIT (INSTALLED FOR THE TRAFFIC SIGNAL). INSTALL 3 RUNS OF 12-PAIR VOICE GRADE TELEMETRY CABLE (JELLY-FILLED).
- INSTALL 3" GALVANIZED STEEL ELECTRICAL CONDUIT (TRENCHED) WITH 2 RUNS OF 4-CONDUCTOR ELECTRICAL CABLE (NO. 2 A.W.G.).
- INSTALL 3" GALVANIZED STEEL ELECTRICAL CONDUIT (TRENCHED) WITH 2 RUNS OF 2-CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.).
- INSTALL 3" GALVANIZED STEEL ELECTRICAL CONDUIT (PUSHED) WITH 2 RUNS OF 4-CONDUCTOR ELECTRICAL CABLE (NO. 2 A.W.G.).
- INSTALL 2" GALVANIZED STEEL ELECTRICAL CONDUIT (PUSHED) WITH 2 RUNS OF 12-PAIR VOICE GRADE TELEMETRY CABLE (JELLY-FILLED).
- INSTALL 3" GALVANIZED STEEL ELECTRICAL CONDUIT (SLOTTED) WITH 2 RUNS OF 4-CONDUCTOR ELECTRICAL CABLE (NO. 2 A.W.G.).
- INSTALL 3" GALVANIZED STEEL ELECTRICAL CONDUIT (TRENCHED)



SYMBOLS

- PROPOSED GROUND ROD (GROUND WIRE, BARE COPPER STRANDED NO. 6 A.W.G.)
- PROPOSED ELECTRICAL CONTROL AND DISTRIBUTION PANEL
- PROPOSED HANDBOX
- USE EXISTING HANDBOX (TO BE INSTALLED AS PART OF THE TRAFFIC SIGNAL)
- PROPOSED CONDUIT
- PROPOSED BASE MOUNTED CABINET & CONTROLLER
- PROPOSED PEDESTRIAN POLE WITH POLE MOUNTED CABINET
- PROPOSED STEEL POLE WITH MAST ARM
- PROPOSED FIBER OPTIC SIGN

FIBER-OPTIC SIGN LOCATIONS LEGEND

- LATERAL CLEARANCE CODE**
- 10' FROM FACE OF CURB TO CENTER OF POLE
 - 4' FROM EDGE OF SIGN FACE TO BACK OF GUARDRAIL
 - 6' FROM EDGE OF SIGN FACE TO FACE OF CURB
 - SEE SIGN PLANS
 - 13' FROM EDGE OF SIGN FACE TO FACE OF CURB
- VERTICAL CLEARANCE CODE**
- 7' FROM BOTTOM OF SIGN TO ROAD
 - 17' FROM BOTTOM OF SIGN TO ROAD
 - SEE SIGN PLANS
- FO = FIBER OPTIC
GM = GROUND MOUNTED
C = CANTILEVER
OH = OVERHEAD
(C-1) = SIGNING SHEET SIGN NUMBER

REVISIONS	APPROVALS
01 MARCH 28, 1993 RE-DRAWN RED-LINE REVISION T.M.Z.	CHIEF, SIGNAL DESIGN SECTION ASST. DISTRICT ENGINEER, TRAFFIC CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION DIRECTOR, OFFICE OF TRAFFIC AND SAFETY

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

DRAWN BY: J. WEAVER
DES. BY: T. ZAYDEL
CHK. BY: Z. SABRA
DATE: 3/25/93
SCALE: 1"=200'

MD 214 @ THE CAPITAL CENTRE
FIBER-OPTIC SIGNING
ACAD
F.A.P. NO. _____
S.H.A. NO. P 732-502-371
TS/FILE NO. 1003 A
SHEET NO. _____ OF _____