PROJECT DESCRIPTION (MOT PHASE 2A)

I. GENERAL:

THIS PARTIAL SIGNAL RECONSTRUCTION AT MD 185 (CONNECTICUT AVE) AND JONES BRIDGE ROAD/KENSINGTON PARKWAY IS A PART OF THE BETHESDA BRAC INTERSECTION IMPROVEMENTS IN MONTGOMERY COUNTY. IMPROVEMENTS WILL INCLUDE ADDITIONAL LANES TO EACH LEG OF THE INTERSECTION, UPDATING THE EXISTING TRAFFIC SIGNAL HEADS TO LED, AND PROVIDING ACTUATION THROUGH VIDEO DETECTION.

PHASE 2A OF THE RECONSTRUCTION WILL ENTAIL UPDATING TRAFFIC SIGNALS WITH LED HEADS FOR THE SIGNAL POLE LOCATED IN THE SOUTHEAST CORNER OF THE INTERSECTION.

MD 185 (CONNECTICUT AVENUE) IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION:

THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE, FULLY-ACTUATED MODE, WITH THE MD 185 APPROACHES RUNNING CONCURRENTLY. EXCLUSIVE LEFT-TURN PHASES WILL BE PROVIDED FOR THE LEFT-TURNS FROM EASTBOUND JONES BRIDGE ROAD TO NORTHBOUND MD 185, AND FROM SOUTHBOUND KENSINGTON PARKWAY TO SOUTHBOUND MD 185. A PEDESTRIAN PHASE WITH COUNTDOWN SIGNALS AND AUDIBLE/TACTILE PUSHBUTTON STATIONS WILL BE PROVIDED FOR WEST LEG CROSSING OF JONES BRIDGE ROAD; THR REMAINING PEDESTRIAN CROSSINGS WILL CONTINUE THEIR CURRENT OPERATIONS WITH THE EXISTING PEDESTRIAN SIGNALS (THERE IS NO PEDESTRIAN CROSSWALK FOR THE NORTH LEG OF MD 185).

III. SPECIAL NOTES:

1. THE APS PUSHBUTTONS AND CENTRAL CONTROL UNITS SHALL BE DELIVERED TO MR. ROBERT RICKETTS AT THE MONTGOMERY COUNTY TECHNICAL CENTER, 1283 SEVEN LOCKS ROAD, ROCKVILLE, MD 20854 FOR WIRING AND TESTING AT LEAST THREE (3) WEEKS PRIOR TO THE BEGINNING OF WORK.
2. NOTIFY MR. ROBERT RICKETTS (301-279-1975), MR. MIKE KINNEY (240-777-8760) AND MR. KAMAL HAMUD (240-777-8761) AT LEAST 72 HOURS PRIOR TO THE BEGINNING OF WORK.

PROJECT CONTACTS:

1. THE FOLLOWING ARE THE CONTACT PERSONS FOR THIS PROJECT:

MS. CEDRIC WARD, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 513-7358

MR. DUANE BERNARD, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (301) 513-7385

MR. VERNON STINNETT, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 513-7304

MR. VICTOR GRAFTON, UTILITY ENGINEER
PHONE: (301) 513-7350

MR. DAN MANTYK, CHIEF - TRAFFIC CONTROL DEVICE INSPECTION
PHONE: (443) 572-5228

MR. RICHARD DAFF, CHIEF - TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787- 7630

MR. EDWARD RODENHIZER, CHIEF - SIGNAL SHOP
PHONE: (410) 787- 7652

MR. SONNY BAILEY, CHIEF - SIGN SHOP
PHONE: (410) 787-7676

MR. ROBERT RICKETTS - MONTGOMERY COUNTY
PHONE: (301) 279-1975

MR. KAMAL HAMUD - MONTGOMERY COUNTY
PHONE: (240) 777-8761

MR. MIKE KINNEY - MONTGOMERY COUNTY
PHONE: (240) 777-8760

THE POWER COMPANY REPRESENTATIVE

MR. PAUL WILSON
PEPCO-DISTRIBUTION ENGINEERING
201 W. GUDE DRIVE
ROCKVILLE, MD 20850
(301) 548-4332

2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING THE STANDARD PLATES FOR TRAFFIC CONTROL FROM SECTION MD 104.00 OF THE SHA BOOK OF STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES.

EQUIPMENT LIST 'A'

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION AND INSTALLED BY THE CONTRACTOR.

CATEGORY CODE	QUANTITY		DESCRIPTION
973023	⚠ 59 SF		FLAT SHEET ALUMINUM SIGNS CONSISTING OF:
	1 EA	R3-5a	"THROUGH ONLY" (30"X36"), MAST ARM-MOUNTED
	1 EA	D-3(1)	"JONES BRIDGE RD ARROW" (VAR. X 16"), MAST ARM-MOUNTED
	2 EA	D-3(1)	"CONNECTICUT AVE" (VAR. X 16"), BACK-TO-BACK, MAST ARM-MOUNTED
	1 EA	R3-5L MOD	"CONNECTICUT AVE, ARROW, ONLY" (42"X36") BLACK/WHITE, MAST ARM-MOUNTED
	1 EA	R3-5L MOD	"KENSINGTON PKWY, CONNECTICUT AVE, DUAL ARROW, ONLY" (42"X36") BLACK/WHITE, MAST ARM-MOUNTED
	⚠ 1 EA	D-3(1)MOD	DOUBLE ARROW, CONNECTICUT AVE, KENSINGTON PKWY (96"X24") WHITE ON GREEN, MAST-ARM MOUNTED

EQUIPMENT LIST 'B'

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

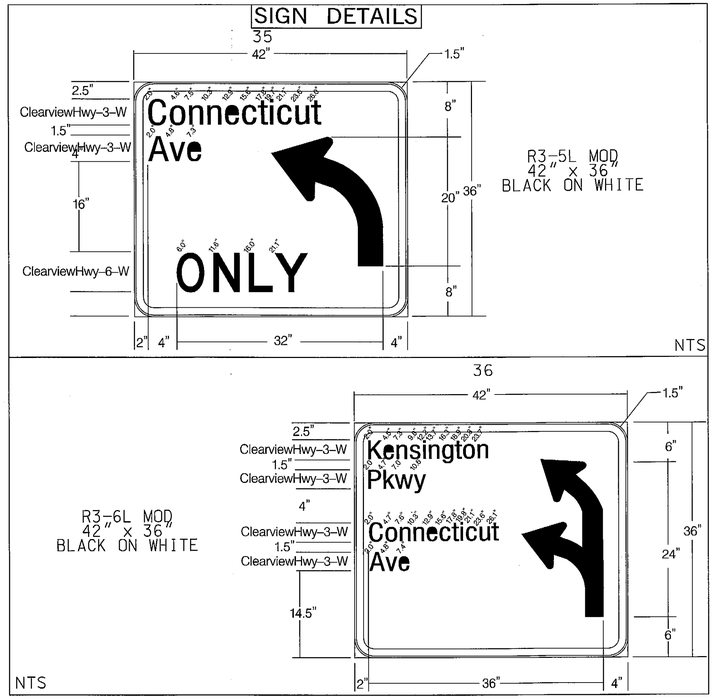
CATEGORY CODE	QUANTITY	DESCRIPTION
813006	26 SF	RELOCATE SIGNS FROM EXISTING OVERHEAD STRUCTURE
813015	43 SF	INSTALL OVERHEAD SIGN
860284	15 EA	12" LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION

PHASE CHART

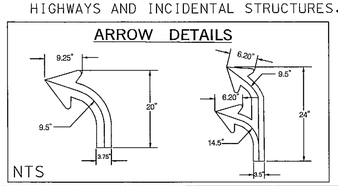
	1e	2	3	4	5e	6e	7	8	9	10	11	12	13	14	15	16	17	18e	19e	20e	21e	22	23	24e	25e
	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	16"	16"	12"	12"
Phase 1	R	R	R	R	R	R	G	G	◄R-	◄R-	◄R-	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
1 Change	R	R	R	R	R	R	Y	Y	◄R-	◄R-	◄R-	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
Phase 2 & OL'A'	G	G	G	G	G	G	R	R	◄R-	◄R-	◄R-	R	R	R	R	R	R	WK	WK	WK	WK	WK	WK	DW	DW
Ped. Clear	G	G	G	G	G	G	R	R	◄R-	◄R-	◄R-	R	R	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW
2 & OL'A' Change	Y	Y	Y	Y	Y	Y	R	R	◄R-	◄R-	◄R-	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
Phase 3 & 8	R	R	R	R	R	R	R	R	◄G-	◄G-	◄G-	G	G	G	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
3 Change	R	R	R	R	R	R	R	R	◄Y-	◄Y-	◄Y-	G	G	G	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
Phase 4 & 8	R	R	R	R	R	R	R	R	◄R-	◄R-	◄R-	G	G	G	G	G	G	DW	DW	DW	DW	DW	DW	DW	DW
4 & 8 Change	R	R	R	R	R	R	R	R	◄R-	◄R-	◄R-	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
Phase ALT 8	R	R	R	R	R	R	R	R	◄R-	◄R-	◄R-	G	G	G	G	G	G	DW	DW	DW	DW	DW	DW	WK	WK
Ped. Clear	R	R	R	R	R	R	R	R	◄R-	◄R-	◄R-	G	G	G	G	G	G	DW	DW	DW	DW	DW	DW	FL/DW	FL/DW
ALT 8 Change	R	R	R	R	R	R	R	R	◄R-	◄R-	◄R-	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/RA	FL/RA	FL/RA	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK

- PROPOSED SIGNAL HEAD, #e - EXISTING SIGNAL HEAD

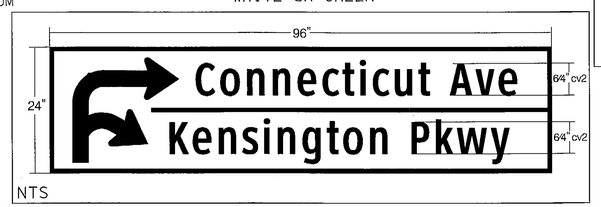
SIGN DETAILS



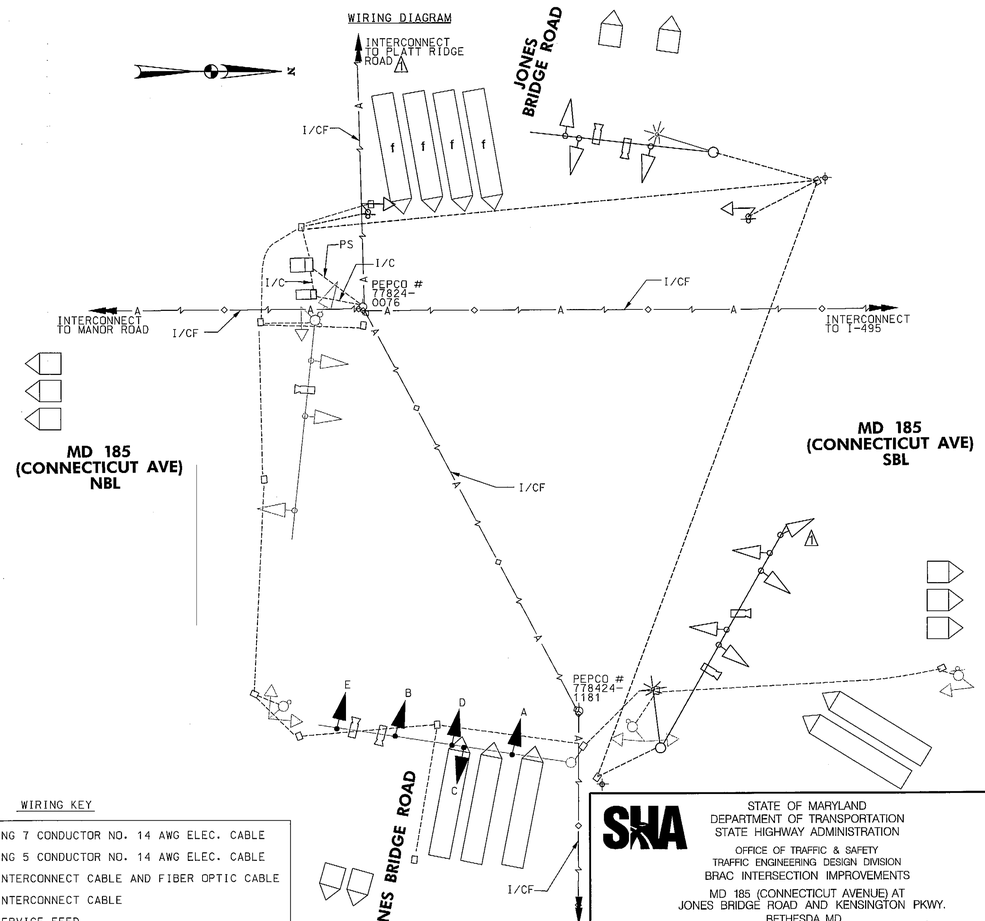
ARROW DETAILS



D-3(1) MOD
96" X 24"
⚠ WHITE ON GREEN



WIRING DIAGRAM



WIRING KEY

A,B,C	- USE EXISTING 7 CONDUCTOR NO. 14 AWG ELEC. CABLE
D,E	- USE EXISTING 5 CONDUCTOR NO. 14 AWG ELEC. CABLE
I/CF	- EXISTING INTERCONNECT CABLE AND FIBER OPTIC CABLE
I/C	- EXISTING INTERCONNECT CABLE
PS	- PROPOSED SERVICE FEED
⏚	- GROUND ROD (3/4" DIA.x 10' LENGTH)

CENTURY ENGINEERING
CONSULTING ENGINEERS - PLANNERS
10710 GILROY ROAD
HUNT VALLEY, MD 21031

REVISION 'C' 23299.62

PHASE 2A

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
BRAC INTERSECTION IMPROVEMENTS
MD 185 (CONNECTICUT AVENUE) AT JONES BRIDGE ROAD AND KENSINGTON PKWY.
BETHESDA, MD

REVISIONS
⚠ ADDENDUM NO.1 10/31/2011 ADJUSTED ANGLE OF THE SB MD 185 NEMA-8/2E SIGNAL HEAD; ADDED NEW SIGN DETAIL MAST FOR WB APPROACH; REVISED SIGN QUANTITY
ENB WS MR MRB

MOT PHASE 2A - GENERAL INFORMATION PLAN

SCALE NONE ADVERTISED DATE OCTOBER 2011 CONTRACT NO. MO5935570

DESIGNED BY ENB
DRAWN BY ENB
CHECKED BY MR /NR
F.A.P. NO.
COUNTY MONTGOMERY
LOGMILE 15018502.22
TIMS NO.
TOD NO.

TS NO. 2649C | DRAWING SG-04.2 OF 12 | SHEET NO. 104 OF 123

PLOTTED: Wednesday, November 02, 2011 AT 11:42 AM
FILE: S:\2008\Transportation\27257-08 BRAC-MD185 @ Jones Bridge Rd\CADD\ACAD SheetSets\pSG-P004_MD185_JBR ph2A GI.dgn

BY: bostic -