

PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of interconnect cable from MD 202 and Barlowe Road, to MD 202 and Kenmore Drive in Prince George's County. MD 202 is assumed to run in a north-south direction.

II. INTERSECTION OPERATION

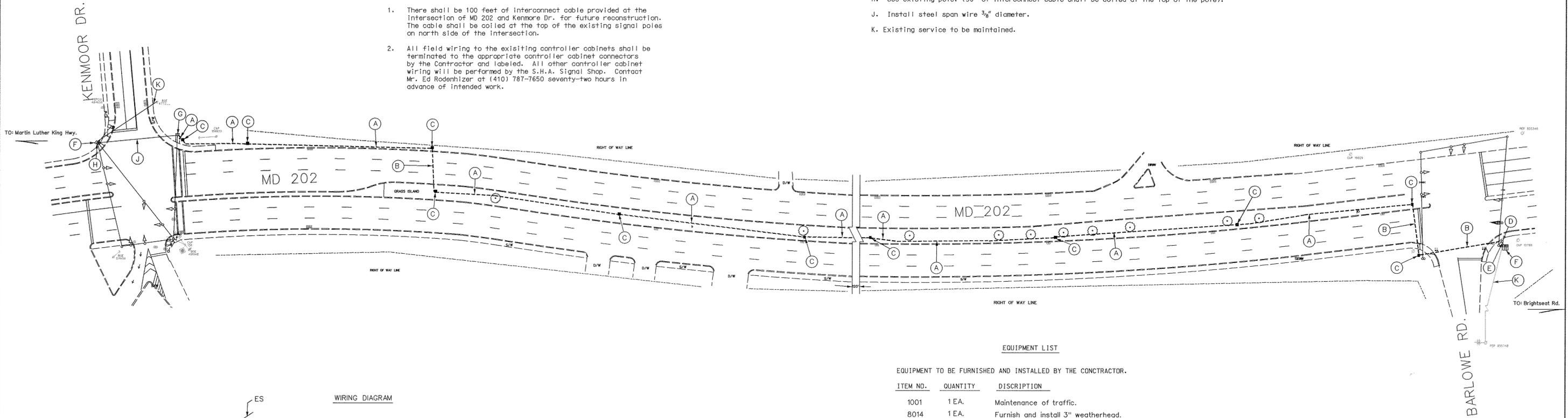
1. The operation of Barlowe Rd. intersection shall remain the same. Kenmore Dr. will have front presence detectors installed. Both intersections shall be incorporated into the Md 202 / Brightseat Rd. System.

III. SPECIAL NOTES

- There shall be 100 feet of interconnect cable provided at the intersection of MD 202 and Kenmore Dr. for future reconstruction. The cable shall be coiled at the top of the existing signal poles on north side of the intersection.
- All field wiring to the existing controller cabinets shall be terminated to the appropriate controller cabinet connectors by the Contractor and labeled. All other controller cabinet wiring will be performed by the S.H.A. Signal Shop. Contact Mr. Ed Rodenhizer at (410) 787-7650 seventy-two hours in advance of intended work.

CONSTRUCTION DETAILS

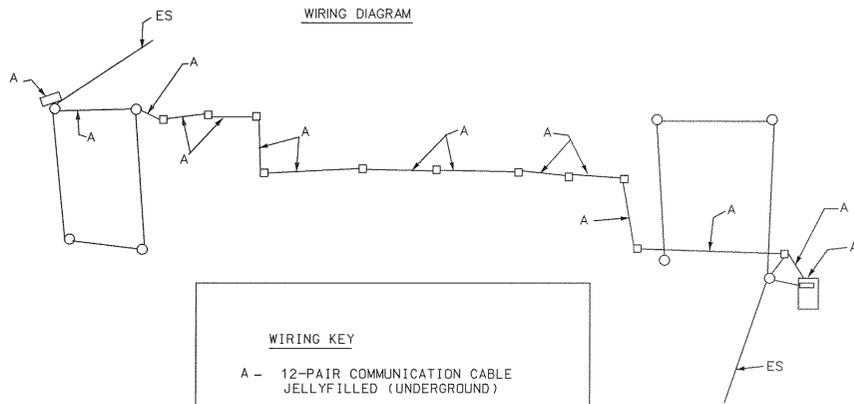
- Install 3" schedule 80 rigid PVC conduit- trenched.
- Install 4" schedule 80 rigid PVC conduit- bored.
- Install electrical handhole.
- Use existing handhole.
- Use existing conduit.
- Use existing controller cabinet and install the new detector and/or interconnect cables.
- Use existing pole, install 3" electrical conduit schedule 80 PVC - riser, bend and 3" weatherhead. (50' of interconnect cable shall be coiled at the top of pole)
- Use existing pole, (50' of interconnect cable shall be coiled at the top of the pole).
- Install steel span wire 3/8" diameter.
- Existing service to be maintained.



EQUIPMENT LIST

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO.	QUANTITY	DISCRIPTION
1001	1 EA.	Maintenance of traffic.
8014	1 EA.	Furnish and install 3" weatherhead.
8031	1 EA.	Furnish and install conduit bend in existing base.
8044	1544 L.F.	Furnish and install 3" schedule 80 rigid PVC conduit - trenched.
8045	40 L.F.	Furnish and install 3" schedule 80 rigid PVC conduit - riser.
8052	20 L.F.	Furnish and install No. 6 AWG stranded bare copper ground wire.
8056	205 L.F.	Furnish and install 4" schedule 80 rigid PVC conduit - bored.
8063	11 EA.	Furnish and install electrical handhole.
8068	2200 L.F.	Furnish and install 12-pair communication cable, jellyfilled (underground).
8071	2 EA.	Furnish and install ground rod, (3/4" dia. x 10' length).
8082	100 L.F.	Furnish and install steelspan wire 3/8" diameter.



WIRING DIAGRAM

WIRING KEY

- A - 12-PAIR COMMUNICATION CABLE JELLYFILLED (UNDERGROUND)
 - ES - EXISTING OVERHEAD SERVICE TO BE MAINTAINED
- NOTE: ALL EXISTING ELECTRICAL CABLES NOT SHOWN ARE TO BE MAINTAINED.

GEOMETRIC LEGEND	
PROPOSED	—————
EXISTING	- - - - -
LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	— A — A —
ELECTRIC	— E — E —
TELEPHONE	— T — T —
GAS	— G — G —
SEWER	— S — S —
WATER	— W — W —
CABLE TV	— TV — TV —

STREET TRAFFIC STUDIES, LTD.
 400 Crain Highway, North
 Glen Burnie, Maryland
 21061
 Ph (410) 590-5500
 Fax (410) 590-6637
 P-TASK 27.dgn

REVISIONS	
EXTEND EXISTING I/C SYSTEM 10-20-99	
10/20/99	10/20/99

APPROVALS	
<i>[Signature]</i>	ASST. CHIEF TRAFFIC SECTION
<i>[Signature]</i>	ASST. DISTRICT ENGINEER, TRAFFIC
<i>[Signature]</i>	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
<i>[Signature]</i>	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
 Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
 INTERCONNECT
MD 202 FROM BARLOWE RD. TO KENMORE DR.

DRAWN BY: D.A.NIES	COUNTY: PRINCE GEORGE'S	TS NO. 15576X1-IC	SHEET NO. OF
CHECK BY: E.M. MILES	LOC MILE: 9-29-99	F.A.P. NO. XX1005885	T.I.M.S. NO. D-657
DATE: 9-29-99	SCALE: 1" = 50'	S.H.A. NO. AC-STPG-CMG-000SI7091E	