

PROJECT DESCRIPTION

I. General

This portion of the project involves the phased temporary reconstruction of an existing traffic control signal in conjunction with geometric improvements at the intersection of MD 202 (Largo Rd) and MD 193 in Prince Georges County, Maryland. MD 202 is assumed to run in a North-South direction.

Also, minor modifications to the intersection of MD 202 at Whitehouse Road will be completed under this stage of construction.

II. Intersection Operation

MD 202 at MD 193. This intersection is proposed to operate in a fully actuated mode with Northbound and Southbound MD 202 left turn lane operating in an exclusive/permissive phase. Eastbound and westbound MD 193 will operate concurrently.

A NEMA eight (8) phase, full traffic actuated solid state controller with six (6), two-channel loop detector amplifiers with time delay output housed in a base mounted cabinet are to be installed at this intersection.

III. Special Notes

1.) The following contact persons for District #3 are as follows:

Mr. Creston Mills
District Engineer
Phone # (301) 513-7311

Mr. Maj Shakib
Asst. District Engineer - Traffic
Phone # (301) 513-7359

Mr. Carter Wilson
Asst. District Engineer
Phone # (301) 513-7305

Mr. Francis Lauer
Asst. District Engineer - Utilities
Phone # (301) 513-7351

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone # (410) 787-7630

2.) Maintenance of traffic will be handled by the contractor utilizing the following standard plates for traffic control: 105.02, 105.03, 105.301, 105.303, 105.309, 105.311, 107.007.

B. Equipment to be furnished and/or installed by the Contractor.
(continued)

B. Equipment to be furnished and/or installed by the Contractor.
(continued)

Item No.	Quantity	Units	Specification Section	Description	Item No.	Quantity	Units	Specification Section	Description
	60	LF	805	Furnish and install 3 in. schedule 80 rigid PVC conduit riser		3	EA	814	Install signal head - span wire mount.
	30	LF	805	Furnish and install 2 in schedule 80 PVC conduit riser.		5	EA	814	Relocated signal head on existing span wire.
	680	LF	805	Furnish and install 2 in. schedule 40 rigid PVC conduit - Trenched.		3	EA	814	Relocated sign on existing span wire.
	40	LF	805	Furnish and install 2 in. schedule 80 rigid PVC conduit - trenched.		300	LF	815	Furnish and install saw cut for signal (loop detector).
	5	LF	805	Furnish and install 1 in. liquid tight flexible non-metallic conduit for detector wire sleeve.		1	EA	816	Install eight phase (fully actuated) controller and cabinet - base mount.
	20	LF	805	Furnish and install 1in. electrical conduit - galvanized sleeve		360	LF	819	Furnish and install 3/8 in. steel span wire.
	1	EA	806	Furnish and install 250 Watt high pressure sodium lamp and luminaire with photo cell		220	LF	819	Furnish and install 1/4 in. tether wire.
	1	EA	807	Furnish and install control and distribution equipment.		25	LF	555	24 in. white preformed pavement marking tape.
	20	LF	810	Furnish and install No. 6 AWG standard bare copper ground wire.		1	EA	818	Furnish and install 20 ft lighting arm on signal structure
	250	LF	810	Furnish and install electrical cable 1-conductor No. 4 AWG - THHN/THWN		2	EA	xxx	Re-splice existing loop detector
	1320	LF	810	Furnish and install electrical cable - 2 conductor (Aluminum shielded).		1	LS	xxx	Removal and disposal of existing materials.
	60	LF	810	Furnish and install electrical cable - 5 conductor (No. 14 AWG).		3	EA	xxx	F&I 12 in. x 40ft. wood pole with back guy wires.
	1520	LF	810	Furnish and install electrical cable - 7 conductor (No. 14 AWG).		1	LS	xxx	Removal and delivery of existing material to be salvaged consisting of:
	790	LF	810	Furnish and install loop wire encased in flexible tubing (No. 14 AWG).		EXISTING SIGNAL EQUIPMENT			
	2780	LF	810	Furnish and install 2 - conductor - Tray cable (No. 12 AWG).		3	EA	-	Steel strain poles.
	5	EA	811	Furnish and install electrical handhole.		1	EA	-	Eight phase (fully actuated) controller and cabinet - pole mount.
						2	EA	-	8in. one-way, three section (R,Y,G) signal head.

EQUIPMENT LIST

A. Equipment to be supplied by the Administration

Item No.	Quantity	Units	Specification Section	Description
1	EA	814	8 in. 1 way 3 section (R, Y, G) signal head - span mount.	
2	EA	814	12 in. 1 way 3 section (R,Y,G) polycarbonate signal head - span mount.	
1	EA	816	Eight-phase (fully actuated controller and cabinet with intersection monitor & battery backup) - base mount.	
8	EA	817	Two channel loop detector amplifier (delayed output).	

B. Equipment to be furnished and/or installed by the Contractor.

Item No.	Quantity	Units	Specification Section	Description
1	EA	804	Furnish and install ground rod - 3/4 in. diameter x 10 ft.	
60	LF	805	Furnish and install 4 in. schedule 40 rigid PVC conduit - Trenched.	
100	LF	805	Furnish and install 4in. schedule 80 rigid Pvc conduit - trenched	
20	LF	805	Furnish and install 3 in. schedule 40 rigid PVC conduit - Trenched.	



REVISIONS	APPROVALS
	CHEF, SIGNAL DESIGN SECTION
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL DRAWN BY	R. CICCINI
DES. BY	D. PETERS
CHK. BY	
DATE:	12/95
SCALE:	

MDOT - STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 202 AT MD 193
GENERAL INFORMATION SHEET

LOG MILE #16019319.52 COUNTY: PRINCE GEORGE'S

F.A.P. NO. SEE TITLE SHEET TS/FILE NO. SHEET NO. OF

S.H.A. NO. 2559-X1 GI

TEMPORARY SIGNAL
STAGE I