

PROJECT DESCRIPTION

I. GENERAL

This portion of the project involves the modification to the existing traffic control signal at the intersection of MD 28 (W. Montgomery Ave.) and Nelson Street/ I-270 Ramp "E" in Montgomery County, Maryland. MD 28 is considered to run in an east/west direction.

II. INTERSECTION OPERATION

The existing phasing, cabinet, and controller is to be utilized.

This modification is due to the addition of a third MD 28 westbound lane.

EQUIPMENT LIST

A. Approved S.H.A. equipment to be purchased by the Developer and installed by the Contractor. All equipment in this list shall have catalog cuts submitted for approval prior to installation.

Quantity	Units	Specification Section	Description
1	EA	813	30 in. x 36 in. R 3-5(R) sign with mast arm mounting hardware.

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

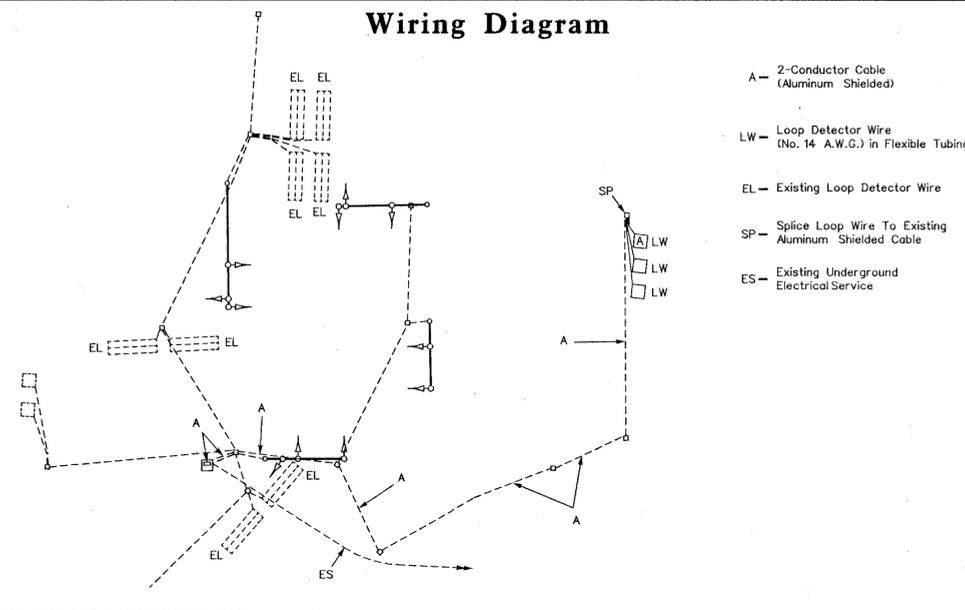
All equipment in this list shall have catalog cuts submitted for approval prior to installation.

Quantity	Units	Specification Section	Description
Lump Sum	LS	108	Mobilization.
Lump Sum	LS	104	Maintenance of traffic.
125	LF	815	Sawcut for signal loop detector.
425	LF	810	Loop detector wire (No. 14 A.W.G.) encased in flexible tubing.
480	LF	810	2-conductor (aluminum shielded) electrical cable (No. 14 A.W.G.).
5	LF	805	1 in. liquid tight flexible non-metallic conduit for loop detector sleeve.
36	LF	556	24 in. wide HAPPTPM - white for stop line.
1	EA	---	As-built for S.H.A. (on CADD).

Phase Chart

	1	2	3	4	5	6	7	8	9	10	11	
Phase 1 & 6	G	G	G	R	R	R	R	R	R	R	R	R
1 Change	G	G	G	R	R	R	R	R	R	R	R	R
Phase 2 & 6	G	G	G	G	G	R	R	R	R	R	R	R
2 & 6 Change	Y	Y	Y	Y	Y	R	R	R	R	R	R	R
Phase 3	R	R	R	R	R	G	G	G	R	R	R	R
3 Change	R	R	R	R	R	Y	Y	Y	R	R	R	R
Phase 4	R	R	R	R	R	R	R	R	R	R	R	R
4 Change	R	R	R	R	R	R	R	R	R	R	R	R
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R						

Wiring Diagram



The Traffic Group
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MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(General Information)
MD 28 (W. Montgomery Ave.) at Nelson St.

TS NO.
244E-G1

SHEET NO.
2 OF 3

DRAWN BY: J. Storck	F.A.P. NO. N/A	TS NO. 244E-G1	SHEET NO. 2 OF 3
CHECKED BY: M.R.B.	S.H.A. NO. BW996M82	T.I.M.S. NO. D-290	
SCALE: N/A 10/28	COUNTY: Montgomery	LOG MILE: 15002826.09	
DATE: October 15, 1999			

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