

US 29 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EQUIPMENT LISTS

A. EQUIPMENT TO BE FURNISHED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
	1 EACH	EIGHT PHASE FULLY ACTUATED CONTROLLER HOUSED IN A SIZE "6" BASE MOUNTED CABINET W/ THREE (3) FOUR CHANNEL LOOP DETECTOR AMPLIFIERS
	99.7 S.F.	SIGNS
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "NORTH, US 29, (RIGHT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "SOUTH, US 29, (LEFT ARROW)", 48" x 75", POLE MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "SOUTH, US 29, (RIGHT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "NORTH, US 29, (LEFT ARROW)", 48" x 75", POLE MOUNTED HARDWARE
	2 EACH	R10-12 SIGN, 36" x 42", SPAN MOUNTED HARDWARE
	1 EACH	R3-5(R) SIGN, 30" x 36", SPAN MOUNTED HARDWARE

B. EQUIPMENT TO BE FURNISHED AND/ OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
8013	1 EACH	REMOVE AND DISPOSE OF EXISTING EQUIPMENT PER ASSIGNMENT
8042	71.2 S.F.	INSTALL GROUND MOUNTED SIGN
8043	28.5 S.F.	INSTALL OVERHEAD SIGN
8052	3 EACH	F & I 8" BLACK FACED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8053	25 EACH	F & I 12" BLACK FACED VEHICULAR TRAFFIC SIGNAL
8059	690 L.F.	F & I ELECTRICAL CABLE - 7-CONDUCTOR (NO. 14 AWG)
8068	1 EACH	INSTALL CONTROLLER AND CABINET - BASE MOUNT

C. EQUIPMENT TO BE REMOVED AND RETURNED TO THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
*	1 EACH	CONTROLLER

ALL OTHER REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.

* - TO BE REMOVED BY THE SHA SIGNAL SHOP (SEE GENERAL NOTES TO THE CONTRACTOR - SHEET 1 OF 2)

PROJECT DESCRIPTION

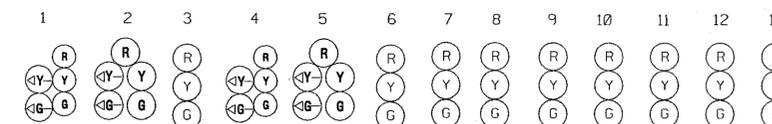
I. GENERAL

THIS PROJECT INVOLVES ADDING NEARSIDE SIGNALS TO STEWART LANE. IT ALSO INVOLVES UPGRADING THE CONTROLLER CABINET. US 29 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION

THIS INTERSECTION IS EQUIPPED WITH A EIGHT PHASE CONTROLLER HOUSED IN A BASE MOUNTED CABINET. IT WILL USE SIX (6) PHASES OUT OF EIGHT WITH EXCLUSIVE/ PERMISSIVE LEFT TURNS FOR NORTHBOUND AND SOUTHBOUND US 29.

PHASE CHART



PHASE 1 & 5	1	2	3	4	5	6	7	8	9	10	11	12	13
PHASE 1 & 5	◀G-R	◀G-R	R	◀G-R	◀G-R	R	R	R	R	R	R	R	R
1 & 5 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 1 & 6, OR 2 & 5, OR 2 & 6												
PHASE 1 & 6	◀G-G	◀G-G	G	R	R	R	R	R	R	R	R	R	R
1 CHANGE	◀Y-G	◀Y-G	Y	R	R	R	R	R	R	R	R	R	R
PHASE 2 & 5	R	R	R	◀G-G	◀G-G	G	R	R	R	R	R	R	R
5 CHANGE	R	R	R	◀Y-G	◀Y-G	G	R	R	R	R	R	R	R
PHASE 2 & 6	G	G	G	G	G	G	R	R	R	R	R	R	R
2 & 6 CHANGE	G	G	G	G	G	G	R	R	R	R	R	R	R
PHASE 4 & 8	R	R	R	R	R	R	G	G	G	G	G	G	G
4 & 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	Y
FLASHING	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R						
OPERATION													

PROJECT CONTACTS

THE PROJECT CONTACTS ARE AS FOLLOWS:

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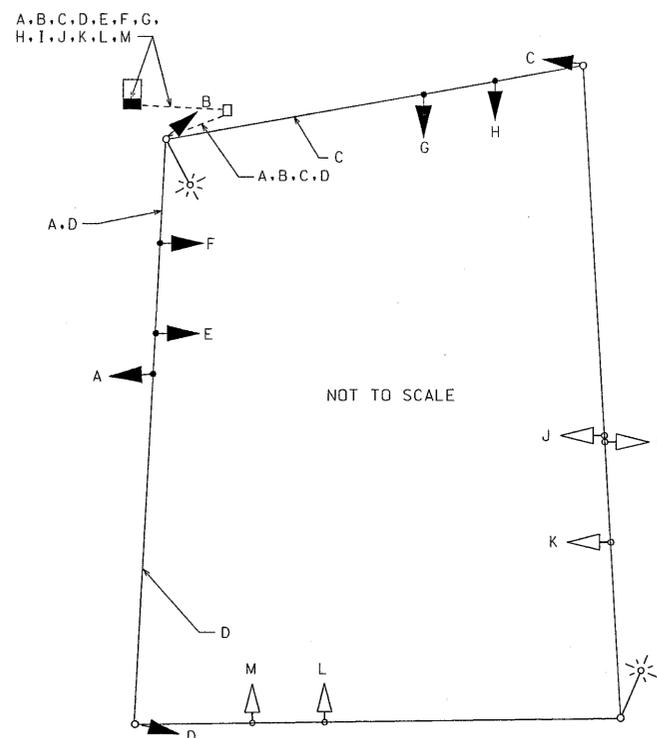
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WIRING DIAGRAM

A-D = 7-CONDUCTOR CABLE (NO. 14 AWG)
E-M = USE THE EXISTING CABLE (NO. 14 AWG)




MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
 Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
 US 29 (COLUMBIA PIKE) and STEWART LANE
 WHITE OAK, MARYLAND

DRAWN BY: <i>William Malachuk</i>	F.A.P. NO. _____	T.S. NO. _____	SHEET NO. _____
CHECKED BY: _____	S.H.A. NO. AT2885185	TS-2647 C	
SCALE: AS NOTED	COUNTY: MONTGOMERY	T.I.M.S. NO. _____	
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