

PROJECT DESCRIPTION

I. GENERAL

This project involves the Temporary modification of an existing Traffic Control Signal with street lighting and interconnect at the intersection of MD 140 (E Baltimore St) and Chevro Dr / Grand Dr in Carroll County. Geometric reconstruction will occur along MD 140 (E Baltimore St) necessitating a Temporary Traffic Signal during Phases 1 and 2 of the MOT phasing. MD 140 (E Baltimore St) is assumed to run in an east-west direction.

II. INTERSECTION OPERATION

- The intersection is to operate in a Temporary MOT mode with NEMA four-phase, with the MD 140 (E Baltimore St) approaches running concurrently. The pedestrian phase with pushbutton actuation across the east leg of MD 140 (E Baltimore St) shall remain in operation. The Chevro Dr / Grand Dr approaches shall continue to run concurrently.

III. SPECIAL NOTES

- The Contractor shall be responsible for terminating all signal cables to the appropriate terminals and shall properly label each cable.
- All controller cabinet wiring will be performed by the S.H.A. Signal Shop Contact Mr. Ed Rodenhizer at (410) 787-7652 seventy-two hours in advance of intended work.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.
- The Contractor shall coordinate the construction of the MOT signal with his Prime Contractor and the SHA Engineer prior to making any signal phasing changes.

The contact persons for District #7 are as follows:

Mr. John Concannon
Assistant District Engineer - Traffic
Phone: (310) 624-8141

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

Mr. Ed Rodenhizer
Manager, Signal Operations Section
410-787-7652

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

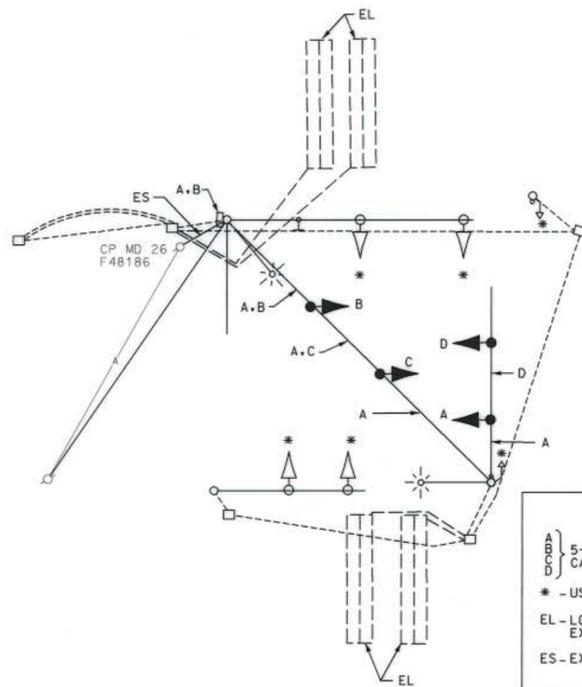
SPEC. NUMBER	DESCRIPTION	QUANTITY
1009	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES	60 LF
1008	REMOVAL OF REMOVABLE PREFORMED PAVEMENT MARKINGS - ANY WIDTH	80 LF
8010	FURNISH AND INSTALL 12 LED TRAFFIC SIGNAL HEAD.	18 EA
8039	3 INCH ELECTRICAL CONDUIT - GALVANIZED RISER	30 LF
8040	WEATHER HEAD, 3 INCH	1 EA
8088	RELOCATE EXISTING SIGNAL HEAD	2 EA
8091	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	415 LF
8098	STEEL SPAN WIRE - 3/8 INCH DIAMETER	130 LF

PHASE CHART

	1	2	3	4	5	6	7	8	9	10
	(R) (Y) (G)									
PHASE 2 & 6	G	G	G	G	R	R	R	R	DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	R	R	R	R	DW	DW
PHASE 4 & 8	R	R	R	R	G	G	G	G	DW	DW
4 & 8 CHANGE	R	R	R	R	Y	Y	Y	Y	DW	DW
PHASE 4 & 8 ALT	R	R	R	R	G	G	G	G	WK	WK
PED CLEARANCE	R	R	R	R	G	G	G	G	FL/DW	FL/DW
4 & 8 ALT CHANGE	R	R	R	R	Y	Y	Y	Y	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK

WIRING DIAGRAM

MOT PHASE 1



WIRING KEY

A } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

B } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

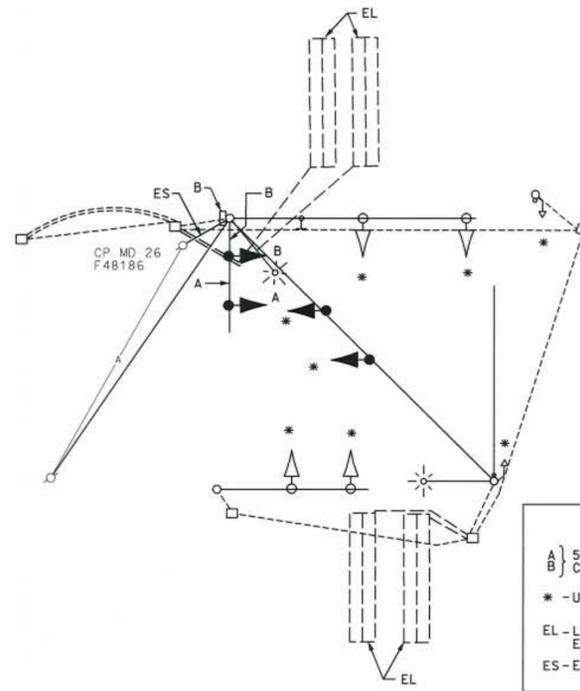
* - USE EXISTING WIRING

EL - LOOP WIRE (NO. 14 A.W.G.) EXISTING

ES - EXISTING OVERHEAD POWER SERVICE

WIRING DIAGRAM

MOT PHASE 2



WIRING KEY

A } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

B } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

* - USE EXISTING SIGNAL CABLE

EL - LOOP WIRE (NO. 14 A.W.G.) EXISTING

ES - EXISTING OVERHEAD POWER SERVICE

TEMPORARY MOT SIGNAL FOR PHASES 1 AND 2

GREENLINE
DATE 10/1/09
TEDD APPROVAL [Signature]

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION PLAN
MD 140 (E. BALTIMORE ST)
AND CHEVRO DRIVE/GRAND DRIVE
TANEYTOWN, MARYLAND

SCALE NONE DATE 9/23/09 CONTRACT NO. CL6955184R

DESIGNED BY JWA COUNTY CARROLL
DRAWN BY RC LOGMILE 06014020.36
CHECKED BY T.I.M.S. NO. H545
F.A.P. NO. TOD NO.

DRAWING NO. 3440C SHEET NO. 3 OF 3

ST
STREET TRAFFIC STUDIES, LTD.
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Oxon Hill, MD 20646
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