

TRAFFIC SIGNAL NOTES

A. NEW SIGNAL EQUIPMENT

1. ALL SIGNAL HEADS SHALL HAVE POLYCARBONATE SECTIONS AND LENSES. THE SIGNAL HEADS SHALL HAVE FLAT BLACK HOUSINGS AND VISORS.
2. ALL SIGNAL HEADS SHALL HAVE BLACK LOUVERED BACK PLATES.
3. THE TRAFFIC SIGNAL CONTROLLER AND RELATED EQUIPMENT SHALL BE MANUFACTURED BY ECONOLITE CONTROL PRODUCTS, INC. THE SYSTEM CONTROLLER SHALL BE AN ASC/2S-2100 (TS-2, TYPE 2) IN CABINET P44 WITH BASE EXTENSION INSTALLED AT THE LOCATION SHOWN ON SHEET 5.
4. ALL SIGNAL HEADS SHALL HAVE RED, YELLOW AND GREEN LED SIGNALS WITH A VISIBLE BEAM SPREAD OF 80 DEGREES OFF AXIS.

B. SIGNAL OPERATION

1. SWITCH-OVER TO NEW SIGNAL SYSTEM SHALL NOT BE DONE DURING PEAK TRAFFIC PERIODS. UNIFORMED TRAFFIC OFFICERS SHALL CONTROL TRAFFIC DURING SWITCH-OVER.
2. ALL SIGNALS SHALL DWELL ON THE VT 100 THRU MOVEMENT.
3. THE VT 100 THRU PHASE SHALL BE USED FOR THE START-UP PHASE FOLLOWING FLASHING OPERATION.
4. SIGNAL TIMING SHOWN ON THE PLANS MAY REQUIRE FINE-TUNING IN THE FIELD BASED ON TRAFFIC OBSERVATION AND/OR ADDITIONAL FIELD STUDIES.

C. PULLBOXES AND JUNCTION BOXES

1. PULLBOXES AND JUNCTION BOXES ARE DETAILED ON STANDARD E-173. MINIMUM JUNCTION BOX SIZE SHALL BE 18" X 12" X 12", OR LARGER AS REQUIRED BY THE ELECTRICAL CODE.
2. THE LOGO ON PULLBOXES / JUNCTION BOXES SHALL BE "TRAFFIC SIGNALS" EXCEPT JB 6 SHALL BE "STREET LIGHTING".

D. TRAFFIC SIGNAL CONDUIT

1. ALL TRAFFIC SIGNAL CONDUIT SHALL BE PVC. ALL EXPOSED CONDUIT SHALL BE SCHEDULE 80, PVC.

E. VEHICLE DETECTOR LOOPS

- ~~1. SEE STANDARD E-172 REPLACED BY VIDEO VEHICLE DETECTION~~
- ~~2. LOOPS SHALL BE CUT INTO THE EXISTING PAVEMENT.~~

F. STREET LIGHTING

1. EXISTING TO REMAIN.

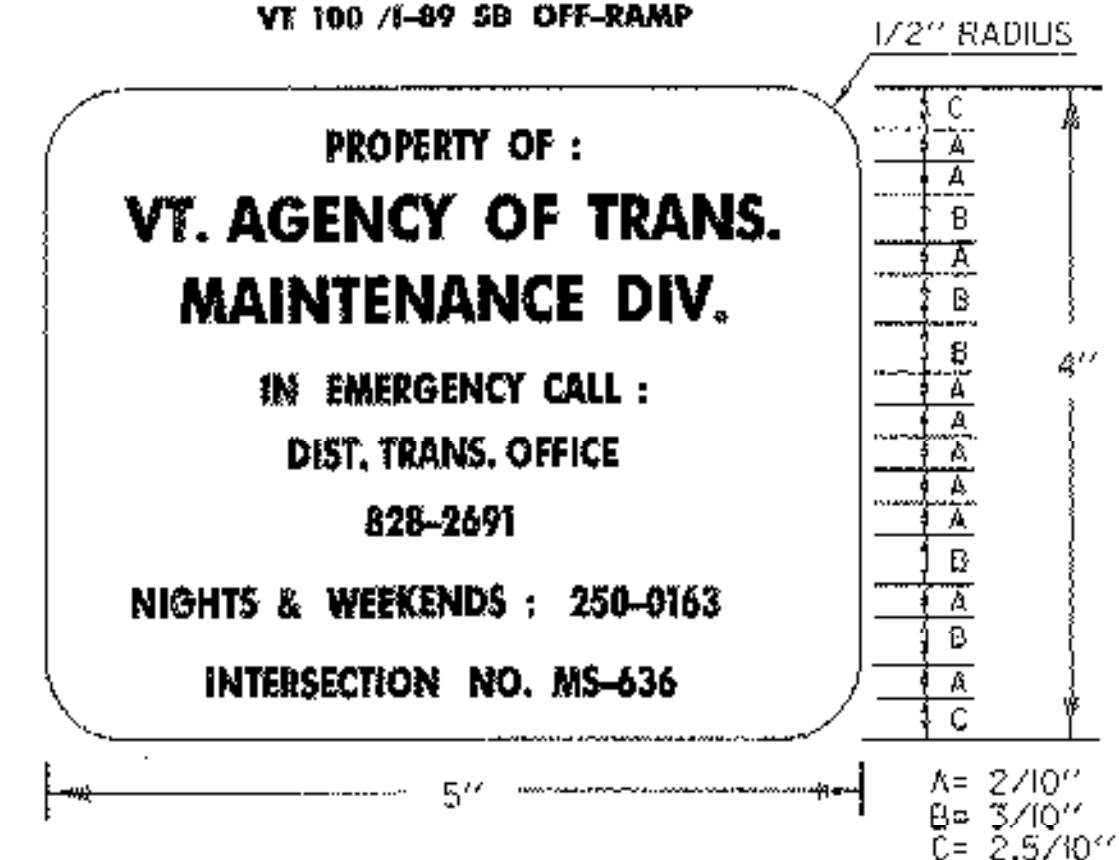
G. MAST ARM FOUNDATIONS

1. SEE THE SPECIAL PROVISIONS FOR THE GEOTECHNICAL ANALYSIS AND RECOMMENDED FOUNDATION DESIGN.

H. GENERAL

1. A UNIFORMED TRAFFIC OFFICER SHALL DIRECT TRAFFIC WHEN ONE-WAY TRAFFIC EXISTS ON ANY APPROACH.
2. THE CONTRACTOR SHALL ACQUIRE ALL THE NECESSARY PERMITS AND MAKE ALL NECESSARY ARRANGEMENTS WITH THE UTILITY COMPANY TO PROVIDE A PERMANENT POWER SUPPLY TO THE SIGNAL AND STREET LIGHTING EQUIPMENT, IF APPLICABLE. THE ROUTING OF POWER TO THE INTERSECTION SHALL BE SUCH THAT THE STATE HAS FULL RESPONSIBILITY FROM THE TRANSFORMER THROUGH THE SIGNAL. NO INTERVENING OWNERSHIP/ RESPONSIBILITY SHALL BE ALLOWED.
3. THE CONTRACTOR SHALL RETURN ANY SALVAGED SIGNS TO THE VTRANS TRAFFIC SHOP IN BERLIN PRIOR TO PROJECT COMPLETION. COORDINATE THROUGH RUSS VELANDER AT 802-828-3535.

**CONTROLLER IDENTIFICATION PLAQUE
VT 100 / I-89 SB OFF-RAMP**



LEGEND: - BLACK (NON-REFL.) - STAMPED PRIOR TO PAINTING
BACKGROUND: NATURAL ALUMINUM OR BRASS SURFACE

NOTES:

- 1.) THE PLAQUE SHALL BE MOUNTED ON ALL TRAFFIC SIGNAL CONTROLLER CABINETS. IT SHALL BE FASTENED TO THE CONTROLLER CABINET IN SUCH A MANNER AS TO BE NOT EASILY REMOVED, SUCH AS WELDED, RIVETED OR BOLTED WITH VANDAL PROOF BOLTS.
- 2.) THE LETTERS SHALL BE PUNCHED OR STAMPED. SUCH STAMPING SHALL PENETRATE AT LEAST 1/2 THE BASE MATERIAL THICKNESS.
- 3.) THE BASE MATERIAL FOR THE PLAQUE SHALL BE BRASS OR ALUMINUM WITH A MINIMUM THICKNESS OF 0.100 INCHES.

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PROJECT: WATERBURY	PROJECT NO.: NHG SGNL(27)
DESIGN FILE NAME: /trac/05b140/tb140nul.dgn IPARM FILE NAME: tb140not.i SURVEYED BY: SQUAD LEADER: J. SCHULTZ	PLOT DATE: 13-NOV-2007 SURVEY DATE: DRAWN BY: B. MCAVOY SHEET: 9 OF 13