



US ROUTE 7

LIST OF MAJOR EQUIPMENT

ITEM # 900.620 SPECIAL PROVISION (VEHICLE PREEMPTION / VIDEO VEHICLE DETECTION SYSTEM) (US 7 @ RATHE ROAD)	QUANTITY
OPTICAL PREEMPTION DETECTORS	2 EA
OPTICAL SIGNAL PROCESSOR CARD & CARD CAGE	1 EA
AC STROBE - RED	2 EA
ECONOLITE ASC/3-2100 CONTROLLER	1 EA
VIDEO VEHICLE DETECTION	4 EA

NOTES:

- EXISTING CONTROLLER TIMINGS SHALL BE RETAINED.
- EXISTING CONDUIT SHALL BE UTILIZED FOR NECESSARY WIRING.
- ANY OTHER MISCELLANEOUS EQUIPMENT AND LABOR NECESSARY TO PROVIDE FULLY FUNCTIONAL PREEMPTION & VIDEO DETECTION SYSTEMS SHALL BE INCIDENTAL TO ITEM #900.620 SPECIAL PROVISION (VEHICLE PREEMPTION/VIDEO VEHICLE DETECTION SYSTEM) (US 7 @ RATHE ROAD).
- THE EMERGENCY VEHICLE PREEMPTION SYSTEM SHALL BE AN OPTICALLY ACTIVATED SYSTEM. THE SYSTEM WILL INCLUDE ALL NECESSARY INTERFACE BOARDS, WIRING, DETECTORS, AND CONFIRMATION LIGHTS. EMITTERS AND OTHER VEHICLE MOUNTED EQUIPMENT TO BE PURCHASED SEPERATELY BY THE TOWN.
- THE NEW CONTROLLER TO REPLACE EXISTING ECONOLITE BRAND MODEL 8000 CONTROLLER. EXISTING CONTROLLER SHALL BE REMOVED AND RETURNED BY THE CONTRACTOR TO THE DISTRICT 5 GARAGE AT 5 BARNES AVE. IN COLCHESTER WITHIN 48 HOURS OF REMOVAL. CONTACT STEVE GUYETTE AT 655-1580 WITH ANY QUESTIONS.
- VIDEO VEHICLE DETECTORS SHALL BE PLACED SO THAT OCCLUSION IS MINIMIZED AND PHASING IS NOT AFFECTED.
- VIDEO VEHICLE DETECTION AREAS SHALL EXTEND 5 FT PAST THE STOP BAR.
- VEHICLE DETECTOR LOOPS TO BE DISCONNECTED AT THE EXISTING PULLBOX LOCATIONS. EXISTING LOOP SENSOR AMPS TO BE SALVAGED (SEE NOTE #5).
- VIDEO VEHICLE DETECTION SYSTEM SHALL BE ECONOLITE AUTOSCOPE SOLO TERRA OR ITERIS VERSICAM OR TRAFICON VIP SERIES OR APPROVED EQUAL.

PREEMPTION TIMINGS

	PREEMPTOR	
	1	2
DIRECTION	US7 NB	US7 SB
HOLD PHASE	2	6
DET. LOCK	NO	NO
DURATION TIME	10	10
MIN. GREEN	4.0	4.0
HOLD GREEN	12.0	12.0
HOLD YELLOW	4.0	4.0
HOLD RED	2.0	2.0
RELEASE PHASE	2&6	2&6

CONSTRUCTION ACTIVITIES WILL BE SHORT DURATION AND WILL LIKELY RESULT IN MINIMAL IMPACT TO THE TRAVELING PUBLIC. ALL WORK SHALL BE PERFORMED DURING DAYTIME, OFF-PEAK HOURS. REFER TO THE VERMONT AGENCY OF TRANSPORTATION STANDARD DRAWINGS E-110 AND E-111 FOR ADDITIONAL TRAFFIC CONTROL INFORMATION. TRAFFIC CONTROL WARNING SIGNS SHALL BE PROVIDED AS NECESSARY ON EACH APPROACH PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). PAYMENT FOR THESE SIGNS, REFLECTORIZED PLASTIC DRUMS, ECT. SHALL BE PAID UNDER CONTRACT ITEM 641.10.

- * - PREEMPTION STROBE
- ☐ - OPTICAL PREEMPTION DETECTOR
- ◐ - VIDEO DETECTION CAMERA

US 7 & RATHE ROAD

PROJECT NAME: COLCHESTER	PLOT DATE: 27-MAY-2009
PROJECT NUMBER: STPG SGNL (34)	DRAWN BY: B. MCAVOY
FILE NAME: 09d010/Traffic/td010n01.dg	CHECKED BY: B. NYQUIST
PROJECT LEADER: B. NYQUIST	SHEET 8 OF 8
DESIGNED BY: B. MCAVOY	
TRAFFIC SIGNAL SHEET 6	

N.T.S.