

INTRODUCTION

1. THESE TRAFFIC CONTROL PLANS ARE CONCEPTUAL ONLY. THE CONTRACTOR SHALL PROVIDE DETAILED TRAFFIC CONTROL PLANS FOR EACH PHASE OF CONSTRUCTION. THESE PLANS SHALL BE PRESENTED TO THE TOWN OF COLCHESTER AND THE RESIDENT ENGINEER FOR REVIEW AND APPROVAL. PLANS SHALL BE SUBMITTED AT LEAST 14 DAYS PRIOR TO INITIATING EACH PHASE OF CONSTRUCTION. CONSTRUCTION SHALL NOT COMMENCE UNTIL THE PLANS HAVE BEEN APPROVED BY THE TOWN. TRAFFIC CONTROL PLANS SHALL CLEARLY INDICATE:
 - A. LANE WIDTHS AND DIRECTION OF TRAVEL
 - B. LOCATION AND TYPE OF TEMPORARY SIGNS AND PAVEMENT MARKINGS
 - C. LOCATION AND DETAILS OF BUSINESS SIGNS
 - D. LOCATION AND TYPE OF TEMPORARY TRAFFIC BARRIERS
 - E. CONSTRUCTION ZONES
 - F. PARKING AREAS FOR ALL BUSINESSES ADJACENT TO OR WITHIN WORK ZONES

PREPARATION OF AND ANY NECESSARY REVISIONS TO TRAFFIC CONTROL PLANS SHALL BE PAID INCIDENTAL TO ITEM 900.6453 - SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE).
2. MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 641 TRAFFIC CONTROL OF THE VTRANS STANDARD SPECIFICATIONS FOR CONSTRUCTION 2006 AND THE LATEST VERSION OF THE FHWA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). REFER TO THE MUTCD FOR INFORMATION REGARDING CHANNELIZATION DEVICES, TAPER LENGTHS, TRAFFIC CONTROL MISCELLANEOUS DETAILS, BARRICADE DETAILS, DETOURS, DELINEATION AND LONGITUDINAL DROP OFFS, IF APPLICABLE. ALL TRAFFIC CONTROL PLANS AND DETAILS MUST BE DESIGNED AND IMPLEMENTED IN ACCORDANCE WITH THE MUTCD AND VTRANS STANDARDS E-100, E-101, E-102, E-103, E-106, E-107, E-107A, E-108, E-110, AND E-111.
3. THE POSTED SPEED LIMIT FOR VT ROUTE 15, FOR ALL PHASES OF CONSTRUCTION SHALL BE 35 M.P.H. THE POSTED SPEED LIMIT FOR JOHNSON AVENUE, FOR ALL PHASES OF CONSTRUCTION SHALL BE 25 M.P.H.

GENERAL

4. THE BID PRICE FOR TRAFFIC CONTROL - ITEM 900.6453 SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE) SHALL INCLUDE BUT ARE NOT LIMITED TO: FURNISHING, INSTALLING, RELOCATING AND REMOVING REFLECTORIZED DRUMS, TEMPORARY TRAFFIC BARRIER, REMOVE AND RESET TRAFFIC BARRIER, ENERGY ABSORPTION ATTENUATOR, PORTABLE CHANGEABLE MESSAGE SIGN, PORTABLE ARROW BOARDS, ANY NECESSARY CONSTRUCTION SIGNAGE, REMOVAL OF EXISTING PAVEMENT MARKINGS, TEMPORARY PAVEMENT LINES AND MARKINGS, RESTORATION OF EXISTING PAVEMENT MARKINGS, AND ALL OTHER INCIDENTALS REQUIRED TO CONTROL TRAFFIC DURING THE ENTIRE DURATION OF CONSTRUCTION.

QUANTITIES FOR THE FOLLOWING ITEMS SHALL BE INCLUDED IN THE LUMP SUM COST FOR ITEM 900.6453 SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE). THIS LIST SHOULD NOT BE CONSIDERED COMPLETE AND THE CONTRACTOR SHALL REVISE THE LIST AND QUANTITIES ACCORDING TO THEIR SPECIFIC TRAFFIC CONTROL PLAN:

TEMPORARY TRAFFIC BARRIER - 700 LF
 REMOVE AND RESET TEMPORARY TRAFFIC BARRIER - 1400 LF
 PORTABLE CHANGEABLE MESSAGE SIGN - 2 EA
 TEMPORARY 4 INCH WHITE LINE - 2600 LF
 TEMPORARY 4 INCH YELLOW LINE - 4300 LF
 TEMPORARY 24 INCH STOP BAR - 320 LF
 TEMPORARY CROSSWALK MARKING - 630 LF

THE FOLLOWING ITEMS WILL BE PAID UNDER THEIR SPECIFIC UNIT PRICES:
 ITEM 630.10 - UNIFORMED TRAFFIC OFFICERS
 ITEM 630.15 - FLAGGERS
5. THE VERMONT NATIONAL GUARD'S CAMP JOHNSON ENTRANCE RECONSTRUCTION MAY NOT BE COMPLETED PRIOR TO THE BEGINNING OF THIS CONSTRUCTION. IF THE NEW ENTRANCE IS NOT COMPLETE, THE CONTRACTOR SHALL USE EXISTING ROADWAYS FOR ACCESS AND CREATE THEIR TRAFFIC CONTROL PLANS ACCORDINGLY. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE POSSIBLE CAMP JOHNSON CONSTRUCTION OPERATIONS.
6. WHEN A LONGITUDINAL DROP-OFF CONDITION EXISTS ADJACENT TO THE TRAVEL LANE, CONTRACTOR SHALL UTILIZE NECESSARY CHANNELIZING DEVICES OR BARRIERS IN ACCORDANCE WITH VTRANS STANDARD E-108A.
7. THE CONTRACTOR SHALL CONDUCT THE WORK AT ALL TIMES IN SUCH A MANNER AND IN SUCH SEQUENCE SO AS TO ENSURE THE LEAST INTERFERENCE WITH TRAFFIC. THE CONTRACTOR SHALL HAVE DUE REGARD TO THE LOCATION OF DETOURS AND TO THE PROVISIONS FOR HANDLING TRAFFIC. THE CONTRACTOR SHALL NOT OPEN UP WORK TO THE PREJUDICE OR DETRIMENT OF WORK ALREADY STARTED. THE ENGINEER MAY REQUIRE THE CONTRACTOR TO FINISH A SECTION ON WHICH WORK IS IN PROGRESS BEFORE WORK IS STARTED ON ANY ADDITIONAL SECTIONS IF THE OPENING OF SUCH SECTION IS ESSENTIAL TO PUBLIC CONVENIENCE.
8. VEHICLES BELONGING TO THE CONTRACTOR OR WORKERS SHALL NOT BE PARKED ON THE PAVEMENT OR SHOULDERS ALONG A ROADWAY BEING USED BY THE GENERAL PUBLIC. VEHICLES SHALL NOT BE PARKED IN A MANNER WHICH OBSTRUCTS ANY SIGNS, BANNERS, BARRICADES OR ANY OTHER TRAFFIC CONTROL DEVICES.
9. THE CONTRACTOR SHALL NOT PARK EQUIPMENT OR STORE MATERIAL WHERE IT IS DEEMED BY THE ENGINEER TO BE A SAFETY HAZARD.
10. ANY EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE PAID UNDER TO ITEM 900.6453 - SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE).

TRAFFIC CONTROL NOTES

11. TEMPORARY PAVEMENT MARKINGS AND/OR DELINEATION DEVICES SHALL BE PROVIDED AS DIRECTED BY THE ENGINEER. THESE ITEMS SHALL BE PAID UNDER ITEM 900.6453 - SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE).
12. DUST CONTROL IS TO BE PAID UNDER ITEM 609.10 OR ITEM 609.15, AS DIRECTED BY THE ENGINEER.
13. WHEN TYPE III BARRICADES ARE USED NEAR DRIVEWAYS OR INTERSECTIONS, THEY SHALL BE PLACED IN SUCH A WAY AS TO NOT OBSCURE SIGHT DISTANCE.
14. THE CONTRACTOR SHALL NOT MIX DELINEATION DEVICES IN A LINEAR CLOSURE OR TAPER (I.E. CONES, VERTICAL PANELS, OR DRUMS SHALL NOT BE USED IN THE SAME TAPER OR CLOSURE.) HOWEVER, DIFFERENT DELINEATION DEVICES MAY BE USED IN DIFFERENT AREAS OF THE PROJECT.
15. WHEN TWO OR MORE WORK AREAS ARE ADJACENT, OVERLAP, OR ARE IN CLOSE PROXIMITY AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL ENSURE THERE IS NO CONFLICTING SIGNAGE AND THAT LANE CONTINUITY IS MAINTAINED THROUGHOUT ALL WORK AREAS.
16. THE MAXIMUM SPACING OF DELINEATORS, IN FEET, IS 1.0 TIMES THE CONSTRUCTION ZONE SPEED FOR TAPERS AND 2.0 TIMES THE SPEED LIMIT FOR TANGENT.
17. TERMINALS OF TEMPORARY TRAFFIC BARRIERS SHALL BE EXTENDED BEYOND THE CLEAR ZONE WHERE POSSIBLE. IF TERMINALS CAN NOT BE EXTENDED BEYOND THE CLEAR ZONE, THEN ENERGY ABSORPTION ATTENUATORS SHALL BE PROVIDED AS DIRECTED BY THE ENGINEER.

CONSTRUCTION SCHEDULE AND CONTRACTOR'S WORK HOURS

18. THE CONTRACTOR SHALL SUBMIT A DETAILED CONSTRUCTION SCHEDULE FOR EACH CONSTRUCTION PHASE.
19. WORK SHALL BE COMPLETED BETWEEN THE HOURS OF 6:00 AM TO 8:00 PM MONDAY THROUGH SATURDAY, EXCEPT DURING HOLIDAY PERIODS. THE HOLIDAY PERIOD SHALL BEGIN AT 12:00 NOON ON THE DAY BEFORE THE WEEKEND OR HOLIDAY, WHICH EVER APPLIES, AND SHALL END AT 7:00 AM ON THE DAY AFTER THE HOLIDAY OR THE WEEKEND, AS APPROPRIATE. ANTICIPATED HOLIDAYS OR WEEKENDS INCLUDE BUT ARE NOT LIMITED TO: MEMORIAL DAY (BOTH OBSERVED DAYS), THE FOURTH OF JULY, LABOR DAY AND COLUMBUS DAY. THE CONTRACTOR WILL BE REQUIRED TO COMPLETE ALL WORK WITHIN THE ROUTE 15 RIGHT-OF-WAY AT NIGHT. NIGHT WORK WILL BE COMPLETED BETWEEN THE HOURS OF 8:00 PM AND 6:00 AM. ALL NIGHT WORK WILL NEED TO BE COORDINATED BETWEEN THE CONTRACTOR, THE RESIDENT ENGINEER, THE TOWN OF COLCHESTER, VERMONT ARMY NATIONAL GUARD, ST. MICHAEL'S COLLEGE AND VTRANS. THE CONTRACTOR SHALL APPRISE ALL INTERESTED PARTIES OF THE COMMENCEMENT OF NIGHT WORK AT LEAST ONE WEEK PRIOR TO BEGINNING NIGHT WORK. THE CONTRACTOR SHALL NOT CARRY ON CONSTRUCTION OPERATIONS ON SUNDAY EXCEPT AS AUTHORIZED BY THE ENGINEER. THE ABOVE LIMITATIONS WILL NOT APPLY FOR THE PURPOSES OF MAINTENANCE, EMERGENCY REPAIRS, AND PROPER PROTECTION OF THE WORK, WHICH INCLUDES, BUT IS NOT LIMITED TO, THE CURING OF CONCRETE AND FOR THE REPAIRING AND SERVICING OF EQUIPMENT. THE ABOVE LIMITATIONS IN NO MANNER WHATSOEVER RELIEVE THE CONTRACTOR OF ANY RESPONSIBILITY FOR THE WORK INVOLVED AS SET FORTH IN SUBSECTION 107.18, OR IN ANY OTHER APPLICABLE REQUIREMENT.

EMERGENCY ACCESS

20. AT ALL TIMES DURING CONSTRUCTION, THE CONTRACTOR MUST PROVIDE SAFE AND CONVENIENT EMERGENCY ACCESS. LOCAL FIRE, POLICE AND AMBULANCE AGENCIES SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO THE START OF WORK IN ORDER TO COORDINATE AND MAINTAIN SUFFICIENT EMERGENCY ROUTES.
21. THE CONTRACTOR SHALL SUBMIT TO THE APPROPRIATE LAW ENFORCEMENT AND EMERGENCY AGENCIES IN WRITING THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE PERSON OR PERSONS AUTHORIZED TO SECURE LABOR, MATERIALS AND EQUIPMENT FOR EMERGENCY REPAIRS OUTSIDE THE NORMAL WORKING HOURS. DUPLICATE COPIES OF THE ABOVE SHALL BE FILED WITH THE ENGINEER.

PUBLIC INGRESS AND EGRESS

22. THE CONTRACTOR SHALL INCLUDE A PUBLIC INFORMATION BOARD TO BE CONSTRUCTED NEAR THE ENTRANCES OF JOHNSON AND HEGEMAN AVENUES. THIS INFORMATION BOARD WILL SERVE AS A CENTRAL LOCATION FOR THE CONTRACTOR TO WARN THE PUBLIC OF UPCOMING CONSTRUCTION OPERATIONS AND SCHEDULE. THIS BOARD SHALL BE INSTALLED IN THE PUBLIC RIGHT-OF-WAY. THIS INFORMATION BOARD DOES NOT RELIEVE THE CONTRACTOR OF CONTACTING THE OWNERS/USERS PERSONALLY IF NECESSARY.
23. THE CONTRACTOR SHALL PROVIDE PROPERTY OWNERS WITH PROPER ACCESS TO THEIR DRIVEWAYS AND SHALL MAINTAIN THEM THROUGH ALL TEMPORARY TRAFFIC CONTROL ZONES AND SHALL DELINEATE THEM BY MEANS OF SIGNS, CONES AND/OR DRUMS AND POST FLAGGERS AS DIRECTED BY THE ENGINEER.
24. WHERE DIRECT ACCESS TO DRIVEWAYS IS NOT POSSIBLE DUE TO NECESSARY CONSTRUCTION OPERATION, THE CONTRACTOR SHALL PLAN ALTERNATE MEANS OF ACCESS AND SUBMIT SUCH PLANS TO THE ENGINEER FOR APPROVAL BEFORE OPERATIONS COMMENCE. THE COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO ITEM 900.6453 - SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE).
25. THE CONTRACTOR SHALL NOTIFY THE OWNERS/USERS OF DRIVEWAYS AT LEAST 24 HOURS IN ADVANCE OF ANY WORK TO BE DONE AT THAT LOCATION. COMMERCIAL ESTABLISHMENTS SHALL HAVE A MINIMUM OF ONE DRIVEWAY OPEN AT ALL TIMES DURING NORMAL BUSINESS HOURS. THE CONTRACTOR HAS THE RESPONSIBILITY OF MAINTAINING SAFE AND PROPER ACCESS TO BUILDINGS IN THE VICINITY OF CONSTRUCTION.

26. THE CONTRACTOR SHALL PROVIDE AND INSTALL SIGNS THAT CLEARLY DIRECT VEHICULAR TRAFFIC TO ADJACENT BUSINESSES. SIGNS SHALL BE 4" WHITE TEXT ON BLUE BACKGROUND, PER THE LATEST VERSION OF THE MUTCD. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE RESIDENT ENGINEER FOR APPROVAL. SIGNS SHALL BE PAID INCIDENTAL TO ITEM 900.6453 - SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE).
27. WHERE EXISTING SIDEWALKS ARE CLOSED DURING CONSTRUCTION, PEDESTRIAN TRAFFIC SHALL MAINTAINED AT ALL TIMES. TEMPORARY CROSSWALKS SHALL BE MAINTAINED AND MOVED AS NECESSARY TO ACCOMMODATE PEDESTRIAN SAFETY, PAYMENT SHALL BE MADE UNDER ITEM 900.6453 - SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE). TEMPORARY PEDESTRIAN FACILITIES SHALL BE A MINIMUM OF 5 FEET WIDE. CHANNELIZING DEVICES SHALL CONFORM TO SECTION 6 OF THE MUTCD. THE CONSTRUCTOR SHALL NOT STORE OR PLACE CONSTRUCTION MATERIALS IN THE PEDESTRIAN PATH OF TRAVEL.

LANE WIDTHS, SIGNS AND PAVEMENT MARKINGS

28. LANE WIDTHS THROUGH CONSTRUCTION ZONES SHALL BE A MINIMUM OF 10 FEET AS MEASURED FROM THE TRAFFIC SIDE FACE OF CHANNELIZING DEVICES OR BARRIERS. CONTRACTOR SHALL MAINTAIN 12 FEET TRAVEL LANE WHENEVER POSSIBLE. "ROAD NARROWS" SIGNS SHALL BE INSTALLED IN ADVANCE OF TWO WAY TRAFFIC OPERATIONS THROUGH THE CONSTRUCTION ZONE IF LANE WIDTHS ARE TO BE LESS THAN 12 FEET.
 29. SEE VTRANS STANDARDS E-100, E-100A, E-101, E-102, E-102A, E-106, E-107, E-108 FOR SIGN PLACEMENT.
 30. CONSTRUCTION APPROACH SIGNING SHALL BE CONSIDERED INCIDENTAL TO THE ITEM 900.6453 - SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE).
 31. EXISTING SIGNS BEING RETAINED, SHALL BE COVERED AND / OR REMOVED WHEN NOT APPLICABLE. SEE SIGNING PLANS FOR MORE INFORMATION.
 32. WORK ZONE SIGNS SHALL NOT OBSCURE EXISTING TRAFFIC CONTROL DEVICES.
 33. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF TWO PORTABLE CHANGEABLE MESSAGE SIGNS FOR THE DURATION OF THE PROJECT. THE LOCATION AND MESSAGE CONTENT SHALL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER. MORE PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE DEEMED NECESSARY ACCORDING TO THE SPECIFIC PHASE OF CONSTRUCTION. SHOULD MORE SIGNS BE NECESSARY THE ADDITIONAL SIGNS SHALL BE FURNISHED AND CONSIDERED INCIDENTAL TO THE ITEM 900.6453 - SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE).
 34. ALL DIAMOND SHAPED SIGNS SHALL BE 48" AND INSTALLED ON TWO POSTS EACH.
 35. ALL CONSTRUCTION SIGNS SHALL BE NEW OR IN LIKE-NEW CONDITION. THE CONDITION OF THE SIGN SHALL BE APPROVED BY THE RESIDENT ENGINEER.
 36. ALL SIGN STANDS AND POST INSTALLATION SHALL BE NATIONAL COOPERATIVE RESEARCH PROGRAM REPORT 350 (NCHRP) COMPLIANT.
 37. AS A MINIMUM, ROLL UP SIGN MATERIAL SHALL HAVE ASTM D 4956-01 TYPE VI FLUORESCENT ORANGE RETRO-REFLECTIVE SHEETING.
 38. ALL POST MOUNTED SIGNS AND SOLID SUBSTRATE PORTABLE SIGNS SHALL HAVE ASTM D 4956-01 TYPE VII, VIII OR TYPE IX FLUORESCENT ORANGE RETRO-REFLECTIVE SHEETING.
 39. ALL TRAFFIC CONES, BARRICADES AND DRUMS SHALL USE TYPE VIII OR IX RETRO-REFLECTIVE SHEETING.
- FLAGGERS AND UNIFORMED TRAFFIC OFFICERS**
40. THE CONTRACTOR SHALL PROVIDE UTO'S ON WEEKENDS SHOULD THE TOWN OF COLCHESTER DEEM IT NECESSARY.
 41. FLAGGERS SHALL BE REQUIRED TO ATTEND A 4 HOUR APPROVED TRAINING COURSE. THE CONTRACTOR SHALL PROVIDE THE RESIDENT ENGINEER WITH COPIES OF ALL DOCUMENTATION OF THE CERTIFICATION OBTAINED FOR EACH FLAGGER ON THE PROJECT.
 42. ALL FLAGGERS OR UTO SERVING AS A TRAINED FLAGGER SHALL WEAR SAFETY APPAREL MEETING REQUIREMENTS OF ISEA "AMERICAN NATIONAL STANDARD OF HIGH-VISIBILITY APPAREL" AND LABELED AS MEETING THE ANSI 107-2004 STANDARD PERFORMANCE FOR CLASS 2 RISK EXPOSURE. INDIVIDUALS ENGAGED IN TRAFFIC CONTROL SHALL WEAR THE HIGH-VISIBILITY VEST WITH "TRAFFIC CONTROL" VISIBLE, WITHOUT EXCEPTION.
 43. PLEASE NOTE THAT THE UTO, UNDER AUTHORITY GRANTED BY LAW (TITLE 23 VSA), MAY DIRECT AND CONTROL TRAFFIC. SUITABLE EXAMPLES IN WORK ZONES MIGHT INCLUDE THE DIRECTION AND CONTROLS OF TRAFFIC AT INTERSECTIONS WHERE SIGNALS ARE NOT FUNCTIONING OR ARE MALFUNCTIONING. IN THESE CASES, THE PRESENCE OF THE BLUE LIGHT MAY NOT BE SUITABLE OR NECESSARY. THE WEARING OF DEPARTMENTALLY REQUIRED AND APPROVED REFLECTIVE GARMENTS IS REQUIRED.
 44. FLAGGERS ARE ALLOWED TO STOP AND RELEASE TRAFFIC AS INDICATED IN THE LATEST VERSION OF THE MUTCD, SECTION 6E.07 FLAGGER PROCEDURES.

| REVISION | BY | DATE |
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| ADDENDUM - 1 | JBL | 01/24/11 |

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| PROJECT NAME: | COLCHESTER CAMPUS CONNECTOR |
| PROJECT NUMBER: | TCSP TCSE (007) |
| FILE NAME: | ...p01files\126_tc.ptf |
| PROJECT LEADER: | JBL |
| DESIGNED BY: | TFD |
| TRAFFIC CONTROL NOTES | TCN-1 |
| PLOT DATE: | 1/25/2011 |
| DRAWN BY: | TFD |
| CHECKED BY: | GGG |
| SHEET | 122 OF 153 |

RECORD DRAWING
DATE: DECEMBER 31, 2012