

INTRODUCTION

1. A PRIMARY OBJECTIVE OF THIS PROJECT IS TO MINIMIZE DELAYS AND IMPACT ON TRAFFIC FLOW WHILE PROVIDING A SAFE PASSAGE FOR VEHICLES AND PEDESTRIANS DURING AND AFTER CONSTRUCTION WORK HOURS. CONSTRUCTION PHASING AND DETAILED TRAFFIC CONTROL PLANS SHALL BE DEVELOPED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO BEGINNING ANY WORK.
2. MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 641 TRAFFIC CONTROL OF THE VTRANS STANDARD SPECIFICATIONS FOR CONSTRUCTION 2011, THE FHWA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.), AND ANY PROVISIONS IN THE PLANS AND/OR CONTRACT, OR AS DIRECTED BY THE ENGINEER.
3. DESIGN SPEED FOR THE TEMPORARY ACCESS ROAD IS 25 M.P.H. CONTRACTOR SHALL CONFIRM WITH THE ENGINEER THAT THE TEMPORARY SPEED LIMIT REDUCTION CERTIFICATE HAS BEEN AUTHORIZED PRIOR TO PLACING SIGNS AND OPENING THE TEMPORARY ACCESS ROAD TO TRAFFIC.

GENERAL

4. THE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE USED AT THE DISCRETION OF THE ENGINEER. THE PCMS SHALL BE USED IN ACCORDANCE WITH SECTION 6F.60 OF THE 2009 EDITION OF THE MUTCD AND PAID FOR AS ITEM 641.15 PORTABLE CHANGEABLE MESSAGE SIGN.
5. ALL TRAFFIC CONTROL DETAILS MUST BE DESIGNED AND IMPLEMENTED IN ACCORDANCE WITH THE 2009 FHWA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE VTRANS STANDARDS DRAWINGS LISTED ON THE PRELIMINARY INFORMATION SHEET.
6. ADDITIONAL SIGNS AND/OR CONTROL DEVICES MAY BE REQUIRED BY THE M.U.T.C.D. OR AS DIRECTED BY THE ENGINEER. THESE WILL BE PAID INCIDENTAL TO ITEM 900.645 SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE).
7. 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.
8. THE CONTRACTOR SHALL NOT PARK EQUIPMENT OR STORE MATERIAL WHERE IT IS DEEMED BY THE ENGINEER TO BE A SAFETY HAZARD.
9. 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 ITEM 900.645 SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE).
10. THE CONTRACTOR SHALL SCHEDULE CONSTRUCTION OPERATIONS IN A MANNER SO AS TO MINIMIZE THE LENGTH OF TIME THAT NORMAL TRAFFIC FLOWS ARE DISTURBED.
11. TEMPORARY PAVEMENT MARKINGS AND/OR DELINEATION DEVICES SHALL BE PROVIDED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE PAID UNDER ITEM 900.645 SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE).
12. THE CONTRACTOR SHALL SUBMIT A DETAILED CONSTRUCTION SCHEDULE FOR EACH CONSTRUCTION PHASE, PAID AS ITEM 900.620 SPECIAL PROVISION (CPM SCHEDULE).
13. THE CONTRACTOR SHALL MAINTAIN TWO LANES OF TRAFFIC (ONE EASTBOUND, ONE WESTBOUND) THROUGH THE PROJECT AREA DURING PEAK HOURS AS DEFINED IN THE PROJECT SPECIAL PROVISIONS, UNLESS APPROVED IN WRITING BY THE ENGINEER.
14. DUST CONTROL IS TO BE PAID FOR UNDER ITEM 609.10 OR ITEM 609.15, AS DIRECTED BY THE ENGINEER.
15. WHEN TYPE III BARRICADES OR SIGNS ARE USED NEAR DRIVEWAYS OR INTERSECTIONS, THEY SHALL BE PLACED IN SUCH A WAY AS TO NOT OBSCURE SIGHT DISTANCE.
16. 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.
17. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY WORK, SUBCONTRACTOR WORK, PUBLIC MAINTENANCE, OR OTHER CONSTRUCTION OPERATIONS IN THE AREA. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ADJACENT WORK ZONES SUCH THAT PROPER TRAFFIC CONTROL IS OBTAINED FOR ALL CONDITIONS.
18. ONLY ONE WORK ZONE CAUSING ONE-WAY TRAFFIC WILL BE ALLOWED AT ANY ONE TIME. WORK ZONE LENGTH SHALL BE A MAXIMUM OF 350' (500' FROM STOP BAR TO STOP BAR) AND ONLY IN PLACE DURING OFF-PEAK TRAFFIC HOURS AS DEFINED IN THE CONTRACT DOCUMENTS.
19. DROP OFF PROTECTION IN CONSTRUCTION AREAS SHALL CONFORM TO VTRANS STANDARDS T-1, T-35 AND T-36.
20. TERMINALS OF TEMPORARY TRAFFIC BARRIERS SHALL BE EXTENDED BEYOND THE CLEAR ZONE WHEN POSSIBLE. IF TERMINALS CAN NOT BE EXTENDED BEYOND THE CLEAR ZONE, THEN ENERGY ABSORPTION ATTENUATORS SHALL BE PROVIDED AS DIRECTED BY THE ENGINEER AND SHALL BE CONSIDERED INCIDENTAL TO ITEM 900.645 SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE).

TRAFFIC CONTROL GENERAL NOTES

GENERAL (CONT.)

21. IN ACCORDANCE WITH SECTION 641, THE CONTRACTOR SHALL MAINTAIN DRAINAGE FACILITIES AND OTHER HIGHWAY ELEMENTS. THE CONTRACTOR SHALL DEVOTE PARTICULAR ATTENTION TO ALL DRAINAGE FACILITIES TO KEEP THEM FULLY OPERATIVE AT ALL TIMES (INCLUDING WORK AREAS). ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE CONSIDERED INCIDENTAL TO ITEM 900.645 SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE).

22. ALL EXISTING DITCHES IMPACTED BY TEMPORARY CONSTRUCTION SHALL BE RESTORED TO ORIGINAL GRADE OR GRADES PROPOSED ON PLANS. PAYMENT INCIDENTAL TO CONTRACT PAY ITEMS.

EMERGENCY ACCESS

23. 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.

PUBLIC INGRESS AND EGRESS

24. THE CONTRACTOR SHALL PROVIDE PROPERTY OWNERS WITH ACCESS TO THEIR DRIVEWAYS AND SHALL MAINTAIN THEM THROUGH ALL TEMPORARY TRAFFIC CONTROL. PHASES AND SHALL DELINEATE THEM BY MEANS OF SIGNS, CONES AND/OR DRUMS AND POST FLAGGERS AS DIRECTED BY THE ENGINEER.

25. WHERE DIRECT ACCESS TO DRIVEWAYS IS NOT POSSIBLE DUE TO NECESSARY CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND PLAN ALTERNATE MEANS OF ACCESS AND SUBMIT SUCH PLANS FOR APPROVAL BEFORE OPERATIONS COMMENCE. THE COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO ITEM 900.645 - SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE). 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. LEFT TURNS IN AND OUT OF DRIVEWAYS DO NOT NEED TO BE MAINTAINED IN AREAS WHERE EXCAVATION OR PAVING OPERATIONS ARE ON-GOING. AT THE END OF THE CONSTRUCTION DAY, ACCESS ACROSS THE WORK ZONE WILL BE RESTORED.

27. IN AREAS WHERE DESIGNATED PEDESTRIAN ROUTES EXIST, PEDESTRIAN TRAFFIC SHALL BE MAINTAINED AT ALL TIMES ON AT LEAST ONE SIDE OF THE ROAD. TEMPORARY CROSSWALKS SHALL BE MAINTAINED AND MOVED AS NECESSARY TO ACCOMMODATE PEDESTRIAN SAFETY. THIS WORK SHALL BE INCIDENTAL TO ITEM 900.645 - SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE). [TEMPORARY PEDESTRIAN FACILITIES SHALL BE A MINIMUM 4' WIDTH. IF 4' WIDE FACILITIES ARE PROPOSED A MINIMUM 5'x5' PASSING SPACES SHALL BE PROVIDED AT INTERVALS OF 200 FEET MAXIMUM.] THE CONTRACTOR SHALL NOT STORE OR PLACE CONSTRUCTION MATERIALS IN THE PEDESTRIAN PATH OF TRAVEL.

28. NO DESIGNATED PEDESTRIAN ROUTES EXIST ON US ROUTE 2 THROUGH THE PROJECT LIMITS. HOWEVER, OCCASIONAL PEDESTRIAN TRAFFIC SHOULD BE EXPECTED. DURING LANE AND SHOULDER CLOSURES, TRAFFIC CONTROL PLANS SHALL PROVIDE FOR A MINIMUM 3 FOOT WIDE SHOULDER FOR PEDESTRIAN TRAFFIC WHEN POSSIBLE. DURING NIGHTTIME LANE CLOSURES WHEN SPACE DOES NOT ALLOW FOR A PEDESTRIAN CORRIDOR, THE CONTRACTOR SHALL PROVIDE DESIGNATED STAFF TO ESCORT THE OCCASIONAL PEDESTRIANS THROUGH THE WORK AREA. THIS WORK WILL BE CONSIDERED INCIDENTAL TO SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE).

SIGNS

29. CONSTRUCTION SIGNS SHALL NOT BE INSTALLED IN LOCATIONS THAT INTERFERE OR OBSTRUCT VIEW OF EXISTING TRAFFIC CONTROL DEVICES, STOPPING SITE DISTANCE AND CORNER SITE DISTANCE FROM SIDEROADS OR DRIVES. EXISTING SIGNS THAT CONFLICT WITH TEMPORARY TRAFFIC CONTROL SHALL BE COMPLETELY COVERED OR REMOVED. THE COVERING AND/OR REMOVING, RELOCATING, AND REPLACING OF EXISTING SIGN PANELS AND ASSEMBLIES SHALL BE AS DIRECTED BY THE ENGINEER. PAYMENT SHALL BE INCIDENTAL TO ITEM 900.645 SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE). SIGNS WHICH ARE NOT APPLICABLE DURING NON-WORKING HOURS SHALL BE COVERED OR REMOVED FROM VIEW AS DIRECTED BY THE ENGINEER.

30. CARE SHOULD BE TAKEN NOT TO DAMAGE THE PERMANENT SIGNS IF THEY ARE COVERED. ANY SIGN SO DAMAGED SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.

31. ALL CONSTRUCTION SIGNS SHALL BE BLACK LETTERS ON REFLECTORIZED FLUORESCENT ORANGE BACKGROUND, AS IN SPECIFIED VTRANS STANDARDS.

32. SIGN MOUNTING HEIGHT SHALL BE 7 FEET IN ALL AREAS WHERE PEDESTRIANS AND PARKED CARS ARE ENCOUNTERED, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

SIGNS (CONT.)

33. EXISTING SIGNING SHALL REMAIN, WITH RELOCATION AS NECESSARY, UNTIL IT IS NO LONGER NEEDED. TEMPORARY SIGNING SHALL BE ADDED, AS NEEDED AND AS REQUIRED BY THE M.U.T.C.D. NEW SIGNING SHALL BE INSTALLED AS IT BECOMES APPLICABLE AND AS CONSTRUCTION NEARS COMPLETION IN EACH PHASE.

34. THE CONTRACTOR SHALL PROVIDE TEMPORARY SIGNS FOR DIRECTING MOTORISTS TO THE ENTRANCES TO BUSINESSES ALONG THE CORRIDOR. SIGNS SHALL BE RECTANGULAR WITH WHITE TEXT ON BLUE BACKGROUND. SIGNS SHALL INCLUDE THE NAME OF THE BUSINESS WITH ARROW POINTING IN THE DIRECTION OF THE BUSINESS. LETTER HEIGHTS SHALL NOT EXCEED 4". SIGNS SHALL BE INSTALLED ON AN NCHRP 350 COMPLIANT SIGN STAND. THESE SIGNS SHALL BE MOVED AND/OR ALTERED AS APPROPRIATE FOR EACH PHASE OF CONSTRUCTION. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE CONSIDERED INCIDENTAL TO ITEM 900.645 SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE).

FLAGGING AND UNIFORMED TRAFFIC OFFICERS

35. THE CONTRACTOR SHALL PROVIDE FLAGGERS FOR ONE LANE TRAFFIC CONTROL, AND AT LOCATIONS WHERE SIGHT DISTANCES ARE IMPAIRED BY CONSTRUCTION OPERATIONS OR OTHER SITUATIONS PAID AS ITEM 630.15 FLAGGERS. (UNIFORMED TRAFFIC OFFICER SHALL BE PROVIDED WHEN WORKING IN CLOSE PROXIMITY TO INTERSECTION, PAID AS ITEM 900.615 SPECIAL PROVISION (UNIFORMED TRAFFIC OFFICERS) (N.A.B.I.).

36. FLAGGING STATIONS SHALL BE ADJACENT TO THE TRAFFIC LANES BEING CONTROLLED AND SHALL BE POSITIONED SO THAT FLAGGER VISIBILITY TO APPROACHING TRAFFIC IS OPTIMIZED. THE FLAGGER SHALL BE READILY VISIBLE TO APPROACHING TRAFFIC. ACCORDINGLY, THE TANGENT DIMENSIONS ON EACH END OF THE WORK AREA SHALL BE ESTABLISHED TO ACHIEVE THE APPROPRIATE FLAGGING STATION LOCATION, AS DIRECTED BY THE ENGINEER.

37. FLAGGERS SHALL BE REQUIRED TO USE TWO-WAY RADIOS, WALKIE-TALKIES OR OTHER FORMS OF ENHANCED COMMUNICATION WHEN ONE FLAGGER IS NOT VISIBLE TO THE OTHER, OR IF THE ENGINEER DEEMS IT NECESSARY.

38. STOP/SLOW PADDLES SHALL BE USED FOR ALL FLAGGING, AND SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE MUTCD AND VTRANS STD T-30.

39. FLAGGER STATIONS DURING NIGHT WORK SHALL BE ILLUMINATED TO A MINIMUM CATEGORY ONE (5 FOOTCANDLES) ILLUMINANCE LEVEL PER NCHRP REPORT 476.

40. SIGN SPACING SHOULD ADHERE TO THE RECOMMENDATIONS OF TABLE 6C-1 OF THE 2009 MUTCD TO THE MAXIMUM EXTENT FEASIBLE AS DETERMINED BY THE ENGINEER.

NIGHT WORK

41. NIGHT WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM (NCHRP) REPORT 476 - "GUIDELINES FOR DESIGN AND OPERATION OF NIGHTTIME TRAFFIC CONTROL FOR HIGHWAY MAINTENANCE AND CONSTRUCTION". REFER TO THE CONTRACT SPECIAL PROVISION FOR COMPLETE LIST OF REQUIREMENTS FOR WORKING AT NIGHT. THE CONTRACTOR SHALL SUBMIT A LIGHTING PLAN, INCLUDING EQUIPMENT SPEC SHEETS, TO THE ENGINEER FOR REVIEW A MINIMUM OF 2 WEEKS PRIOR TO NIGHT WORK BEGINNING. ALL COSTS ASSOCIATED WITH THE DESIGN, APPROVAL AND IMPLEMENTATION OF THE LIGHTING SYSTEM WILL BE CONSIDERED INCIDENTAL TO CONTRACT ITEM 900.645 SPECIAL PROVISION (TRAFFIC CONTROL, ALL-INCLUSIVE).

TEMPORARY ACCESS ROAD

42. ALL WORK REQUIRED TO CONSTRUCT THE TEMPORARY SUBSTRUCTURE AND ROADWAY FOR THE TEMPORARY ACCESS ROAD INCLUDING EARTHWORKS, BACKFILL, TEMPORARY SHEETING OR OTHER RETAINING STRUCTURES, SUBBASE, CULVERTS, TEMPORARY PAVEMENT, TEMPORARY BRIDGE JOINTS, PAVEMENT MARKINGS AND OTHER INCIDENTAL ITEMS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE TWO-WAY TEMPORARY BRIDGE ITEM 528.11.

43. EXISTING WATER SERVICE MUST BE MAINTAINED DURING CONSTRUCTION. COST TO MAINTAIN THIS SERVICE SHALL BE PAID INCIDENTAL TO THE TWO-WAY TEMPORARY BRIDGE ITEM 528.11.

EAST MONTEPELIER FIRE DEPARTMENT

44. SIGNING AND STRIPING SHOWN FOR THE OFFSITE INTERSECTION (US ROUTE 2 & VILLAGE ACRES AS SHOWN ON SHEET TSL 3) SHALL BE COMPLETED PRIOR TO COMMENCING ANY OTHER WORK THAT HAS THE POTENTIAL TO DISRUPT EXISTING TRAFFIC PATTERNS, OR AS DIRECTED BY THE ENGINEER.

TEMPORARY PAVEMENT

45. A QUANTITY OF TEMPORARY PAVEMENT WAS ESTIMATED TO BE USED AT THE DISCRETION OF THE ENGINEER, AND WILL BE PAID AS ITEM 490.30 ONLY IF DIRECTED BY THE ENGINEER IN WRITING. TEMPORARY PAVEMENT USED BY THE CONTRACTOR TO MEET THE CONTRACT REQUIREMENTS FOR UNPAVED SURFACES (MAXIMUM DURATION 14 CALENDAR DAYS) SHALL BE PAID INCIDENTAL TO SPECIAL PROVISION (TRAFFIC CONTROL, ALL INCLUSIVE).

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PROJECT LEADER: T. KNIGHT DRAWN BY: C.GENDRON
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