

**TRAFFIC CONTROL NOTES:**

- UNLESS OTHERWISE NOTED, THE OBJECTIVE OF THESE DETAILS AND NOTES ARE TO MINIMIZE IMPACT ON THE TRAFFIC FLOW WHILE PROVIDING A SAFE PASSAGE FOR VEHICLES DURING AND AFTER CONSTRUCTION WORK HOURS. THE FOLLOWING TRAFFIC CONTROL INFORMATION IS INTENDED TO BE A GENERAL OUTLINE FOR HOW THE WORK SHOULD PROCEED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE SPECIFIC DETAILS TO ADDRESS SPECIFIC SITUATIONS. THIS RESPONSIBILITY INCLUDES PROVIDING A PLAN DETAILING THE USE AND PLACEMENT OF SIGNS, CHANNELIZATION DEVICES, ARROW PANELS, FLAGGERS AND UNIFORMED TRAFFIC OFFICERS DURING LANE CLOSURES. IF THE CONTRACTOR DOES NOT WISH TO UTILIZE THE TEMPORARY TRAFFIC CONTROL AND LANE CLOSURES ILLUSTRATED, AN ALTERNATE PROPOSAL SHALL BE SUBMITTED TO THE RESIDENT ENGINEER AND CITY OF WINOOSKI FOR REVIEW AND APPROVAL AT LEAST 20 DAYS IN ADVANCE OF THE USE OF THE PROPOSED TEMPORARY TRAFFIC CONTROL PLAN.
- THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION. THE COST OF PREPARING THIS PLAN (AND MAKING CHANGES IF NECESSARY) SHALL NOT BE PAID SEPARATELY BUT SHALL BE INCIDENTAL TO ITEM 641.10, "TRAFFIC CONTROL".
- THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION SIGN APPROACH PACKAGE FOR EXPECTED LANE CLOSURES AND WORK ZONE SPEED REDUCTIONS IN COMPLIANCE WITH THESE TRAFFIC CONTROL PLANS, VTRANS E-SERIES STANDARDS, AND PART\*6 OF THE MUTCD. PAYMENT FOR PROVIDING THIS PACKAGE SHALL BE INCIDENTAL TO ITEM 641.10, "TRAFFIC CONTROL".

- THE BID PRICE FOR ITEM 641.10, "TRAFFIC CONTROL", SHALL INCLUDE ALL OF THE FOLLOWING, AS NEEDED: APPROACH AND ON-PROJECT CONSTRUCTION SIGNING, PORTABLE ARROW BOARDS, BARRIERS, BARRELS, CONES, BARRICADES, TEMPORARY REGULATORY AND WARNING SIGNS, AND POSTS AS DETAILED IN VTRANS STANDARDS. ALL ADJUSTING, RELOCATING, AND REMOVING OF THESE DEVICES AS DIRECTED BY THE RESIDENT ENGINEER SHALL ALSO BE INCLUDED. THE FOLLOWING ITEMS WILL BE PAID FOR SEPARATELY:  
 646.602, 646.612, 646.652, 646.682, 646.692, AND 646.702 - TEMPORARY PAVEMENT MARKINGS  
 630.10 AND 630.15 - UNIFORMED TRAFFIC OFFICERS AND FLAGGERS

- PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) WILL BE PROVIDED FOR USE ALONG THIS PROJECT. THE PLACEMENT OF THESE UNITS AS WELL AS THE MESSAGE WILL BE APPROVED BY THE RESIDENT ENGINEER. THESE SIGNS WILL BE PAID FOR UNDER ITEM 641.15, "PORTABLE CHANGEABLE MESSAGE SIGN".

PCMS SHOULD NOT REPLACE ANY OF THE SIGNING DETAILED IN THE MUTCD AND SHOULD NOT BE USED IF STANDARD TRAFFIC CONTROL DEVICES ADEQUATELY PROVIDE THE INFORMATION THE MOTORISTS NEED TO TRAVEL SAFELY. THE PCMS SHALL CONSIST OF EITHER ONE OR TWO PHASES. TYPICALLY, A PHASE SHALL CONSIST OF UP TO THREE LINES OF EIGHT CHARACTERS PER LINE. THE PCMS SHOULD BE USED AS A SUPPLEMENT AND NOT AS A SUBSTITUTE FOR CONVENTIONAL SIGNS AND PAVEMENT MARKINGS.

THE PCMS SHOULD COMMUNICATE WHAT INFORMATION MOTORISTS NEED TO KNOW. UNNECESSARY INFORMATION SHOULD BE AVOIDED. MESSAGES SHOULD BE UPDATED PERIODICALLY TO DESCRIBE THE WORK ACTIVITY OCCURRING SO THAT THE PCMS CONTINUES TO COMMAND THE ATTENTION OF MOTORISTS.

- PORTABLE ARROW BOARDS WILL BE PROVIDED FOR USE AS SHOWN IN THE DETAILS. ARROW BOARDS SHOULD ONLY BE USED IN THE "CAUTION" MODE FOR SHOULDER WORK, BLOCKING THE SHOULDER, FOR ROADSIDE WORK NEAR THE SHOULDER, OR FOR TEMPORARILY CLOSING ONE LANE ON A TWO-LANE, TWO-WAY ROADWAY. ARROW BOARDS IN THE "ARROW" OR "CHEVRON" MODE SHOULD BE USED ONLY FOR STATIONARY OR MOVING LANE CLOSURES ON MULTI-LANE ROADWAYS.

- THE MUTCD 2003 SHALL BE THE STANDARD FOR ALL TRAFFIC CONTROL DEVICES. EXISTING SIGNS, SIGNALS AND MARKINGS SHALL BE VALID UNTIL SUCH TIME AS THEY ARE REPLACED OR RECONSTRUCTED. WHEN NEW TRAFFIC CONTROL DEVICES ARE ERECTED OR PLACED OR EXISTING TRAFFIC CONTROL DEVICES ARE REPLACED OR REPAIRED THE EQUIPMENT, DESIGN, METHOD OF INSTALLATION, PLACEMENT OR REPAIR SHALL CONFORM WITH SUCH STANDARDS.

- NO CONSTRUCTION SIGNS SHALL BE INSTALLED WHICH INTERFERE OR OBSTRUCT THE VIEW OF EXISTING TRAFFIC CONTROL DEVICES, STOPPING SIGHT DISTANCE, AND CORNER SIGHT DISTANCE FROM DRIVES AND TOWN HIGHWAYS.

- A MINIMUM LANE WIDTH OF 10'-0" SHALL BE MAINTAINED.

- SIGNALIZED INTERSECTIONS MUST BE CONTROLLED BY UNIFORMED TRAFFIC OFFICERS.

- WHEN COLD PLANED BITUMINOUS PAVEMENT IS OPEN TO TRAFFIC, A "MOTORCYCLES USE CAUTION" SIGN, AS PER VTRANS STANDARD E-102A, SHALL BE PROVIDED.

- TRAFFIC SHALL NOT BE CHANGED FROM ONE PHASE TO THE NEXT PHASE UNTIL ALL TEMPORARY MARKINGS, SIGNING AND SIGNAL WORK ARE COMPLETED. ANY CONFLICTING MARKINGS SHALL BE REMOVED.

- IT IS INTENDED TO HAVE NO LONGITUDINAL DROP-OFFS DURING THE OVERNIGHT HOURS. THEREFORE THE FULL ROADWAY WIDTH SHOULD BE COLD PLANED OR PAVED DURING THE DAILY WORK PERIOD. WHEN NECESSARY, DROP-OFF PROTECTION IN THESE AREAS SHALL CONFORM TO VTRANS STANDARD E-108.

- THE CONTRACTOR SHALL MAINTAIN SAFE ACCESS FOR CCTA BUS PASSENGERS AT MARKED BUS STOPS.

- PARKING ON MAIN STREET WITHIN THE TRAFFIC CIRCLE MAY REMAIN WHEN OPERATIONS ALLOW.

- TRAFFIC CONTROL FOR WORK IN AND AROUND THE ROUTE 7 TRAFFIC CIRCLE SHALL BE FACILITATED BY UNIFORMED TRAFFIC OFFICERS

- ALL REASONABLE EFFORTS SHALL BE MADE TO ACCOMMODATE PEDESTRIAN AND BICYCLE TRAVEL AT ALL TIMES. THIS CAN INCLUDE, BUT IS NOT LIMITED TO A DEDICATED PEDESTRIAN ESCORT, SIGNAGE AND CONED OFF WALKING AREAS WITHIN CLOSED LANES. FLAGGERS SHALL NOT BE USED AS PEDESTRIAN ESCORTS.

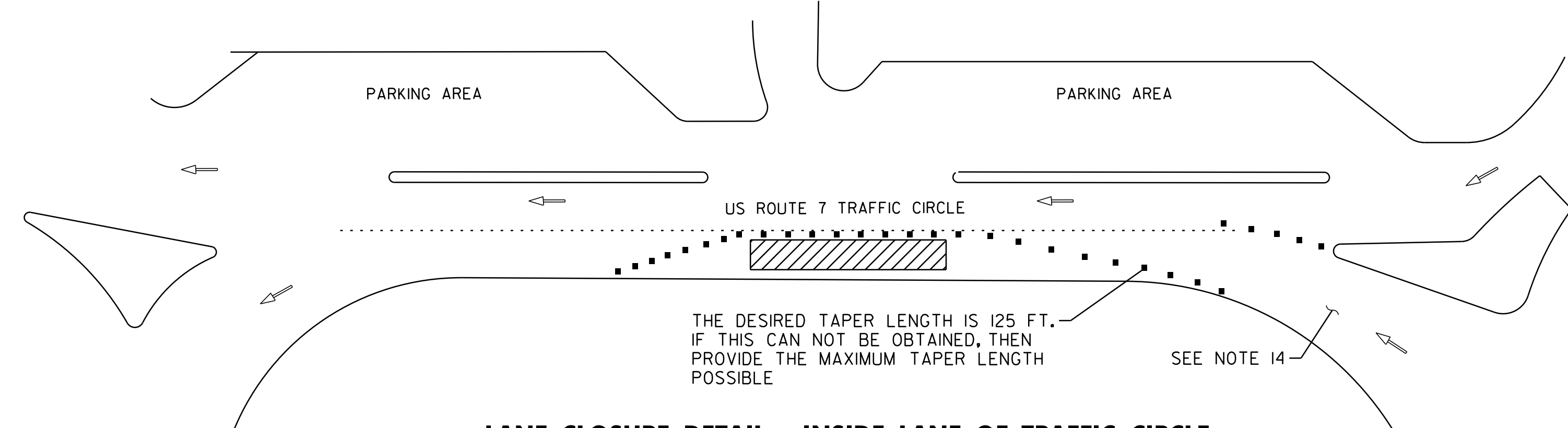
- DRUMS SHOULD BE USED TO CHANNELIZE OR DELINEATE TRAFFIC FLOW WHILE REFLECTORIZED CONES ARE BETTER SUITED TO DELINEATE DRIVES WITHIN THE WORKZONE.

- CONSTRUCTION OPERATIONS SHALL BE ADJUSTED OR SUSPENDED DURING PEAK HOUR TRAFFIC AND SPECIAL EVENTS AS DETERMINED BY THE RESIDENT ENGINEER. THE CONTRACTOR SHALL COORDINATE WITH THE CHAMPLAIN VALLEY EXPOSITION AND ST. MICHAELS COLLEGE FOR DATE AND TIMES OF SPECIAL EVENTS. ALSO, ANY ADJACENT CONSTRUCTION ALONG THE CLASS I PORTION OF VT ROUTE 15 OR OTHER CITY PROJECTS IN WINOOSKI SHALL BE CONSIDERED WHEN DETERMINING LANE CLOSURES.

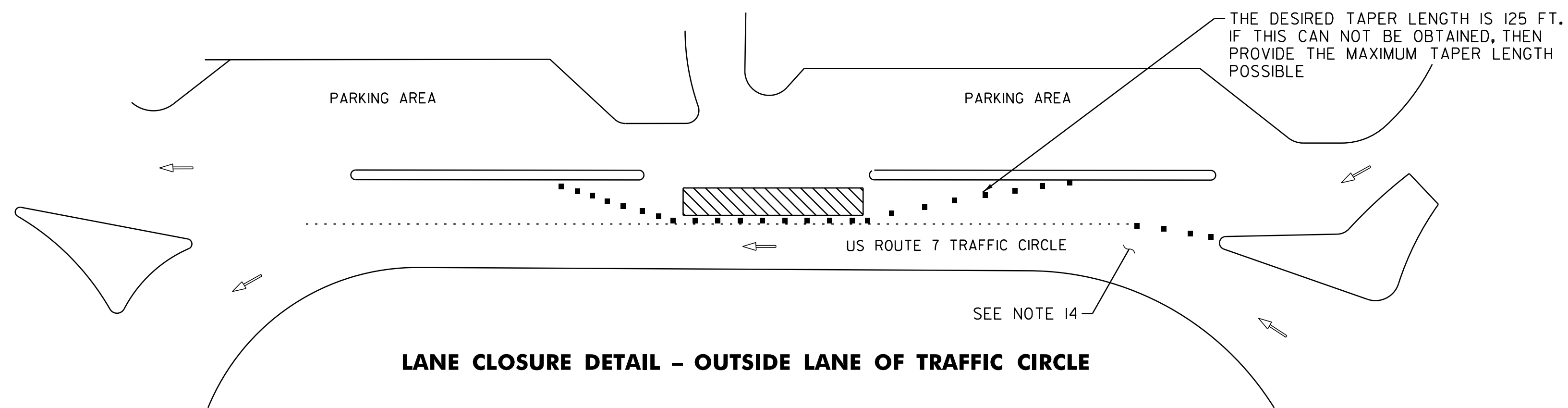
- REFER TO CHAPTER 6 OF THE MUTCD, TYPICAL APPLICATION 46 FOR PROPER TRAFFIC CNTRL REQUIREMENTS FOR WORK PERFORMED IN THE VICINITY OF THE HIGHWAY-RAIL GRADE CROSSING.

- IT IS ANTICIPATED THAT NIGHT OPERATIONS WILL BE REQUIRED TO PERFORM THE JOINT REPAIR WORK THROUGH SOME AREAS. ADDITIONAL TEMPORARY TRAFFIC CONTROL AND ILLUMINATION SHALL BE REQUIRED FOR NIGHT OPERATIONS.
- THE CONTRACTOR SHALL COVER OR REMOVE ALL EXISTING SIGNS THAT CONTRADICT TEMPORARY TRAFFIC CONTROL SIGNS.
- ALL LANE SHIFTS AND TAPERS SHALL BE DESIGNED IN ACCORDANCE WITH PART 6 OF THE MUTCD AND VTRANS STANDARDS.
- EXISTING PAVEMENT MARKINGS THAT INTERFERE OR CONTRADICT TEMPORARY PAVEMENT MARKINGS SHOULD BE REMOVED WITH ITEM 646.85 "REMOVAL OF EXISTING PAVEMENT MARKINGS" OR ITEM 646.86 "PAVEMENT MARKING MASK" AS DIRECTED BY THE RESIDENT ENGINEER. THE REMOVAL OF ANY TEMPORARY PAVEMENT MARKINGS SHALL BE CONSIDERED INCIDENTAL TO THE APPLICABLE TEMPORARY PAVEMENT MARKING ITEM.
- THE CONTRACTOR SHALL PROVIDE A FULL-TIME PERSON RESPONSIBLE FOR SET UP, MAINTENANCE, AND REMOVAL OF ALL TRAFFIC CONTROL DEVICES THROUGHOUT THE DURATION OF THE PROJECT. A TRAFFIC CONTROL PLAN AND SHALL BE SUBMITTED BY THE CONTRACTOR TO ALLOW REVIEW, MODIFICATION TO ADDRESS THE RESIDENT ENGINEER'S COMMENTS, AND APPROVAL BY THE RESIDENT ENGINEER AT LEAST 24 HOURS PRIOR TO IMPLEMENTATION FOR EACH INDIVIDUAL WORKZONE WITHIN THE OVERALL TEMPORARY TRAFFIC CONTROL PLAN.

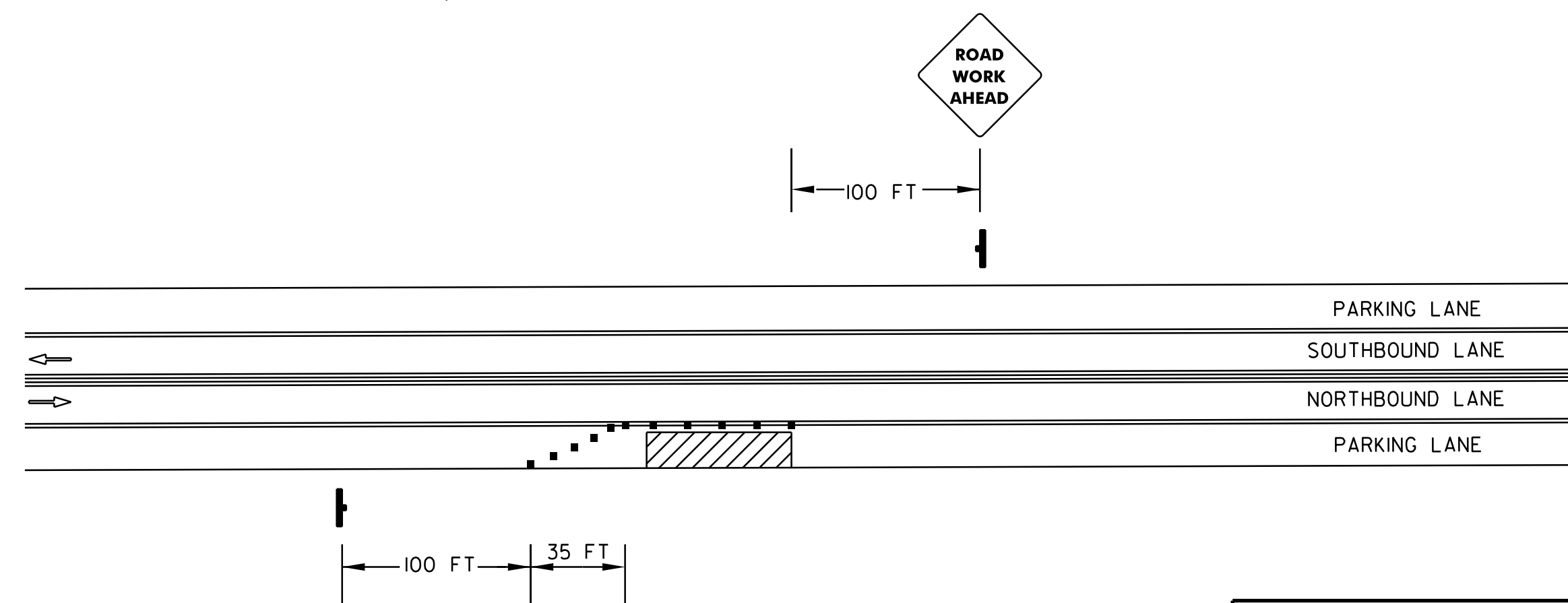
**TRAFFIC CONTROL DETAILS FOR USE WITH CONCRETE JOINT REPAIR**



**LANE CLOSURE DETAIL – INSIDE LANE OF TRAFFIC CIRCLE**



**LANE CLOSURE DETAIL – OUTSIDE LANE OF TRAFFIC CIRCLE**



**PARKING LANE CLOSURE DETAIL**

**DETAILS ARE NOT TO SCALE**

**LEGEND**

- TRAFFIC FLOW
- ARROW PANEL
- ARROW PANEL SUPPORT OR TRAILER
- CHANNELIZING DEVICE
- SIGN (SHOWN FACING LEFT)
- WORK SPACE

**TRAFFIC CONTROL DETAILS SHEET 2**

PROJECT NAME: WINOOSKI  
 PROJECT NUMBER: STP 2617(1)S

FILE NAME: 06d064.dgn	PLOT DATE: 31-OCT-2011 6:47
PROJECT LEADER: CDL	DRAWN BY: SJL
DESIGNED BY: SJL	CHECKED BY: EPD
PLOT FILE: 06D064.87.i	SHEET 87 OF 88