

**GENERAL TRAFFIC CONTROL NOTES**

1. TRAFFIC CONTROL FOR THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT VTRANS E-SERIES STANDARDS AND THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND ITS LATEST REVISIONS.
2. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN INCLUDING A TRAFFIC CONTROL PLAN FOR A ROLLING ROAD BLOCK TO THE ENGINEER AND VTRANS TRAFFIC SAFETY UNIT FOR REVIEW ONE-MONTH PRIOR TO PERFORMING ANY CONSTRUCTION ACTIVITY. THE PLAN SHALL INCLUDE PROVISIONS FOR IMPLEMENTATION AND MAINTENANCE OF TRAFFIC CONTROL FOR ALL WORK ASSOCIATED WITH THIS PROJECT. UPON WRITTEN APPROVAL FROM THE ENGINEER, THE CONTRACTOR SHALL IMPLEMENT THE TRAFFIC CONTROL PLAN AND COMMENCE CONSTRUCTION ACTIVITIES. ALL COSTS ASSOCIATED WITH THE DEVELOPMENT AND ANY NECESSARY REVISION OF A TRAFFIC CONTROL PLAN SHALL BE PAID FOR UNDER CONTRACT ITEM 641.10 "TRAFFIC CONTROL".
3. THE TRAFFIC CONTROL PLANS SHOWN HEREIN ARE APPROXIMATE AND INTENDED TO BE UTILIZED IN CONJUNCTION WITH APPLICABLE VTRANS STANDARD DRAWINGS AND AT THE DISCRETION OF THE ENGINEER. ADDITIONAL RAMP SIGNING MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.
4. A PORTABLE CHANGEABLE MESSAGE SIGN SHALL BE PLACED AT THE BEGINNING (MM. 69.96) OF THE PROJECT ORIENTED IN THE MEDIAN FOR VIEWING BY NORTHBOUND TRAFFIC, RAMP C EXIT 10 ON RAMP NORTHBOUND AND AT END (MM. 110.96) OF THE PROJECT FOR VIEW BY THE SOUTHBOUND TRAFFIC. THE MESSAGE SIGNS SHALL BE PLACED ONE-WEEK PRIOR TO ANY CONSTRUCTION ACTIVITY TO WARN THE TRAVELING PUBLIC OF THE PROJECT. THE MESSAGE SIGNS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. PAYMENT FOR THIS WORK SHALL BE MADE UNDER CONTRACT ITEM 641.15 "PORTABLE CHANGEABLE MESSAGE SIGN".
5. THE POSTED TEMPORARY SPEED LIMIT THROUGH CONSTRUCTION WORK ZONES SHALL BE POSTED FOR 55 MPH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
6. INITIATION OF TRAFFIC CONTROL MEASURES WILL NOT BE PERMITTED BETWEEN THE DATES OF NOVEMBER 15 AND APRIL 15 UNLESS OTHERWISE APPROVED BY THE ENGINEER. ONCE TRAFFIC CONTROL DEVICES HAVE BEEN INSTALLED, THE CONTRACTOR SHALL BEGIN RELATED RECONSTRUCTION WORK IMMEDIATELY AND PROCEED IN A TIMELY MANNER THROUGH TO COMPLETION OF CONSTRUCTION IN ORDER TO MINIMIZE HAZARD AND INCONVENIENCE TO THE TRAVELING PUBLIC.
7. PRIVATE VEHICLES BELONGING TO THE CONTRACTOR OR ITS EMPLOYEES WILL NOT BE ALLOWED TO PARK ON THE INTERSTATE RIGHT OF WAY AND/OR THE TRAVELED WAY OF ANY OTHER PUBLIC THOROUGHFARE.
8. ALL SIGNS, BARRICADES, AND OTHER TRAFFIC CONTROL DEVICES SHALL BE CLEANED WEEKLY OR AS DIRECTED BY THE ENGINEER. EXISTING PERMANENT SIGNS THAT CONTRADICT TEMPORARY TRAFFIC CONTROL SIGNS SHALL BE REMOVED AND REPLACED OR COVERED FOR THE PERIOD OF TIME THAT THE TRAFFIC CONTROL PLAN IS IMPLEMENTED. COST FOR THIS WORK SHALL BE CONSIDERED INCIDENTAL TO CONTRACT ITEM 641.10 "TRAFFIC CONTROL".
9. WHEN WORK IS TO BE PERFORMED WITHIN FOUR MILES OF ANOTHER WORK ZONE, WORK IN EACH ZONE SHALL BE PERFORMED WITHIN THE SAME LANE (IE: TRAVEL OR PASSING LANE). FOR WORK ZONES SEPARATED BY A DISTANCE GREATER THAN FOUR MILES, THE CONTRACTOR MAY, WITH THE APPROVAL OF THE ENGINEER, CONDUCT WORK IN OPPOSITE LANES. THE ENGINEER MAY ALLOW WORK IN OPPOSITE LANES IF THE DISTANCE BETWEEN WORK ZONES IS SUFFICIENT TO AVOID CONFUSION TO THE TRAVELING PUBLIC. THE INSTALLATION OF A WEAVING PATTERN OF TRAFFIC CONTROL BETWEEN WORK ZONES WILL NOT BE ALLOWED.
10. ANY REMOVAL AND REINSTALLATION OF GUARDRAIL, FOR INSTALLATION OF TRAFFIC CONTROL WHICH IS REQUIRED TO COMPLETE WORK SHOWN IN THE TRAFFIC CONTROL PLANS SHALL BE INCIDENTAL TO CONTRACT ITEM 641.10 "TRAFFIC CONTROL" UNLESS OTHERWISE NOTED.
11. THE CONTRACTOR IS NOTIFIED THAT ALL ROADWAYS INCLUDED IN AND ASSOCIATED WITH THIS PROJECT ARE SUBJECT TO OCCASIONAL USE AND TRAVEL BY EMERGENCY RESPONSE VEHICLES. THE CONTRACTOR SHALL MAKE AND IMPLEMENT PLANS AND PROCEDURES DESIGNED TO ENSURE SWIFT AND UNIMPEDED TRAVEL OF EMERGENCY RESPONSE VEHICLES THROUGH CONSTRUCTION ZONES AND SHALL SUBMIT THEM TO THE ENGINEER. ANY COSTS ASSOCIATED WITH SUCH PLANS AND PROCEDURES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONTRACT ITEM 641.10 "TRAFFIC CONTROL".
12. THE CONTRACTOR SHALL ASSURE THAT ALL GUARDRAIL IS LEFT IN A SAFE CONDITION WHENEVER THE CONTRACTOR IS NOT PRESENT. NO GUARDRAIL SHALL BE LEFT IN ANY STATE OF DISASSEMBLY WITHOUT APPROPRIATE TRAFFIC CONTROL AT ANY TIME. AT THE DISCRETION OF THE ENGINEER, THE CONTRACTOR MAY PLACE TEMPORARY TRAFFIC BARRIERS AT A DISASSEMBLED GUARDRAIL SEGMENT. NO ADDITIONAL COMPENSATION SHALL BE MADE TO THE CONTRACTOR FOR PLACEMENT OF TEMPORARY TRAFFIC CONTROL BARRIERS BEYOND THE LIMITS SHOWN ON THESE PLANS.

**LONG TERM LANE CLOSURE NOTES**

1. LONG TERM LANE CLOSURES "THREE DAYS OR GREATER" SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST VERSION OF THE MUTCD, THESE PLANS AND WITH ACCORDANCE WITH VTRANS STANDARD DRAWING E-103. SEE TRAFFIC CONTROL TABLE FOR SITE SPECIFIC APPLICATION, WHICH MAY BE MODIFIED BY THE ENGINEER.
2. TEMPORARY TRAFFIC BARRIER SHALL BE USED FOR ALL LONG TERM LANE CLOSURES. THE TEMPORARY TRAFFIC BARRIER SHALL BE PAID FOR UNDER CONTRACT ITEM 621.90 "TEMPORARY TRAFFIC BARRIER" AND ITEM 621.95 "REMOVE AND RESET TEMPORARY TRAFFIC BARRIER". THE COST FOR REMOVING OR COVERING SIGNS SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO CONTRACT ITEM 641.10 "TRAFFIC CONTROL".
3. ALL SIGNS ASSOCIATED WITH THE LANE CLOSURE SHALL BE FIXED IN PLACE SIGNS AND SHALL BE VISIBLE TO THE TRAVELING PUBLIC FOR THE DURATION OF THE LANE CLOSURE. ALL SIGNS ASSOCIATED WITH SPECIFIC CONSTRUCTION ACTIVITIES WHICH MAY TAKE PLACE DURING ACTIVE CONSTRUCTION HOURS SHALL BE VISIBLE DURING SUCH HOURS AND EITHER REMOVED OR COVERED WHILE INDICATED ACTIVITIES ARE NOT TAKING PLACE (I.E. BLASTING ACTIVITIES). THE COST FOR REMOVING OR COVERING SIGNS SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO CONTRACT ITEM 641.10 "TRAFFIC CONTROL".

**SHORT TERM LANE CLOSURE NOTES**

1. SHORT TERM LANE CLOSURES "TWO DAYS OR LESS" SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST VERSION OF THE MUTCD, THESE PLANS AND VTRANS STANDARD DRAWING E-103. SEE TRAFFIC CONTROL TABLE FOR SITE SPECIFIC APPLICATION, WHICH MAY BE MODIFIED BY THE ENGINEER.
2. SHORT TERM LANE CLOSURES SHALL BE USED BETWEEN EXIT 11 TO EXIT 13. BETWEEN THESE TWO EXITS, LANE CLOSURES WILL NOT BE PERMITTED DURING THE HOURS OF 7:00 AM TO 9:00 AM AND 4:00 PM TO 6:00 PM.
3. SHORT TERM LANE CLOSURES SHALL BE USED ONLY DURING APPROVED WORKING HOURS AND ONLY WHEN CONSTRUCTION ACTIVITIES ARE ACTIVELY BEING PERFORMED AT THE LANE CLOSURE SITE. AT TIMES WHEN SHORT TERM LANE CLOSURE ARE NOT NECESSARY, THE TRAFFIC CONTROL DEVICES USED FOR THE LANE CLOSURE SHALL BE REMOVED FROM THE TRAVELED WAY AND PLACED IN A SAFE MANNER SO AS NOT TO OBSTRUCT OR IMPEDE THE FLOW OF TRAFFIC. THE LOCATION OF TRAFFIC CONTROL DEVICES AFTER EACH SETUP AND REMOVAL OF THE SHORT TERM LANE CLOSURE SHALL BE APPROVED BY THE ENGINEER. THE COST OF REMOVING AND RESETTING SHORT TERM TRAFFIC CONTROL DEVICES SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF CONTRACT ITEM 641.10 "TRAFFIC CONTROL".
4. ALL SIGNS ASSOCIATED WITH A SHORT TERM LANE CLOSURE SHALL BE VISIBLE ONLY WHILE THE LANE CLOSURE IS IN EFFECT. WHEN A SHORT TERM LANE CLOSURE IS NOT IN EFFECT, ALL SIGNS ASSOCIATED WITH THE LANE CLOSURE SHALL BE EITHER REMOVED FROM THE SITE OR COVERED. THE COST FOR REMOVING OR COVERING SIGNS SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO CONTRACT ITEM 641.10 "TRAFFIC CONTROL".

**LONG TERM SHOULDER CLOSURE NOTES**

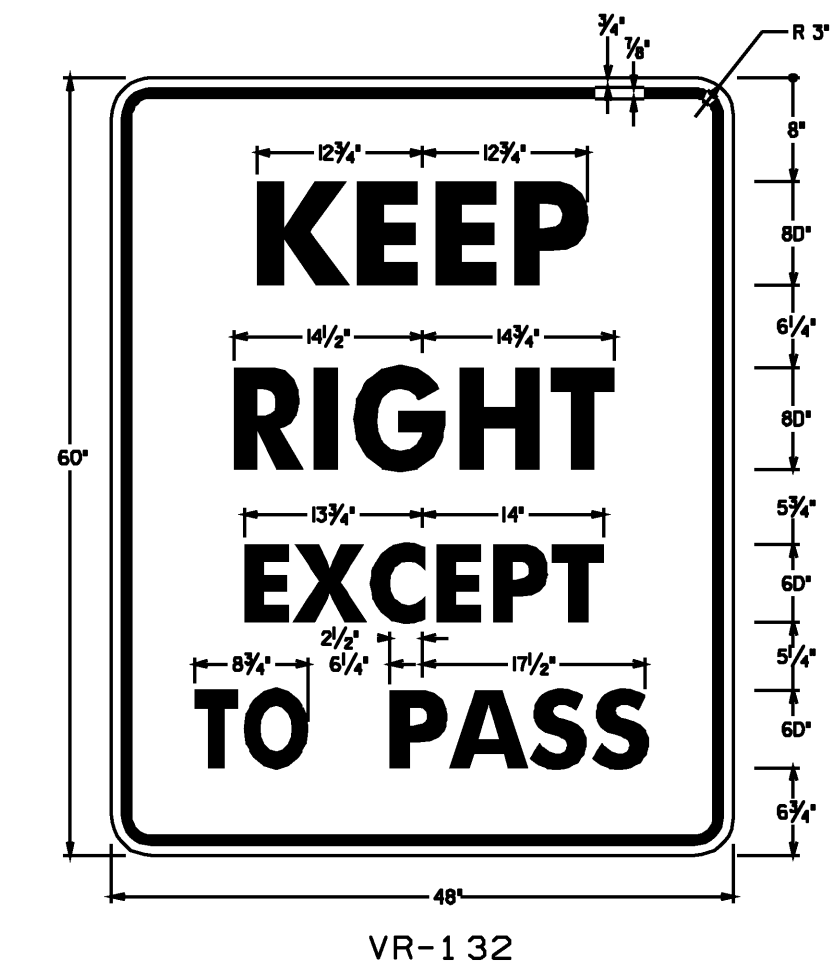
1. LONG TERM SHOULDER CLOSURES "THREE DAYS OR GREATER" SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST VERSION OF THE MUTCD, THESE PLANS AND IN ACCORDANCE WITH VTRANS STANDARD DRAWING E-103. SEE TRAFFIC CONTROL TABLE FOR SITE SPECIFIC APPLICATION, WHICH MAY BE MODIFIED BY THE ENGINEER.
2. SHOULDER CLOSURES SHALL ONLY BE CONSTRUCTED BETWEEN EXIT 11 TO EXIT 13 AND SHALL ONLY BE USED ON THE OUTSIDE OF THE INTERSTATE. NO MEDIAN SHOULDER CLOSURES SHALL BE CONSTRUCTED.
3. TEMPORARY TRAFFIC BARRIER SHALL BE USED FOR ALL LONG TERM SHOULDER CLOSURES. THE TEMPORARY TRAFFIC BARRIER SHALL BE PAID FOR UNDER CONTRACT ITEM 621.90 "TEMPORARY TRAFFIC BARRIER" AND ITEM 621.95 "REMOVE AND RESET TEMPORARY TRAFFIC BARRIER". THE COST OF REMOVING AND RESETTING LONG TERM SHOULDER TRAFFIC CONTROL DEVICES SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF CONTRACT ITEM 641.10 "TRAFFIC CONTROL".
4. ALL SIGNS ASSOCIATED WITH THE SHOULDER CLOSURE SHALL BE FIXED IN PLACE SIGNS AND SHALL BE VISIBLE TO THE TRAVELING PUBLIC FOR THE DURATION OF THE SHOULDER CLOSURE. ALL SIGNS ASSOCIATED WITH SPECIFIC CONSTRUCTION ACTIVITIES WHICH MAY TAKE PLACE DURING ACTIVE CONSTRUCTION HOURS SHALL BE VISIBLE DURING SUCH HOURS AND EITHER REMOVED OR COVERED WHILE INDICATED ACTIVITIES ARE NOT TAKING PLACE (I.E. BLASTING ACTIVITIES).

**ENERGY ABSORPTION ATTENUATOR NOTES**

1. ENERGY ABSORPTION ATTENUATORS WILL BE PLACED AS SHOWN ON THE TRAFFIC CONTROL PLANS. ATTENUATORS WILL BE PAID FOR UNDER CONTRACT ITEM 621.56 "ENERGY ABSORPTION ATTENUATOR".
2. THE ATTENUATOR SHALL MEET THE REQUIREMENTS OF THE 2006 AASHTO "ROADSIDE DESIGN GUIDELINE", FOR TEST LEVEL-3.

**EXIT 11 RAMP CLOSURE TRAFFIC CONTROL NOTES**

1. TRAFFIC CONTROL FOR EXIT 11 SOUTHBOUND ON RAMP (RAMP A) AND OFF RAMP (RAMP B) WILL BE REQUIRED DURING THE REMOVAL OF THE LEDGE ADJACENT TO THE OFF RAMP (RAMP B). THE INTENTION IS TO CONDUCT THE LEDGE REMOVAL WORK AT NIGHT AND CLOSE THE TWO RAMP DURING THE LEDGE REMOVAL OPERATIONS.
2. THE CONTRACTOR SHALL PROVIDE, ERECT, MAINTAIN AND THEN REMOVE THE PORTABLE CHANGEABLE MESSAGE SIGNS TO NOTIFY MOTORISTS. REFER TO TRAFFIC CONTROL SHEET #3 FOR PLACEMENT.
3. THE CONTRACTOR SHALL CLOSE THE I-91 SOUTHBOUND TRAVEL LANE BETWEEN MILE MARKER 70.49 AND MILE MARKER 70.71 FOR A PERIOD OF ONE (1) HOUR PRIOR TO CLOSING THE ON AND OFF RAMP UNTIL THE RAMP ARE REOPENED AT 4:00 AM. THE COST FOR LIGHTING FOR NIGHT WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO CONTRACT ITEM 641.10 "TRAFFIC CONTROL". THE LANE CLOSURE SHALL BE IN ACCORDANCE WITH VTRANS STANDARD E-103. IN ADDITION, THE CONTRACTOR SHALL PROVIDE A UNIFORMED TRAFFIC OFFICER TO BE PRESENT ON I-91 SOUTHBOUND MAINLINE NEAR MILE MARKER 70.50. THE UNIFORMED TRAFFIC OFFICER SHALL REMAIN ON STATION WITH LIGHTS FLASHING DURING THE ENTIRE TIME THAT THE RAMP ARE CLOSED TO TRAFFIC.
4. THE ON AND OFF RAMP SHALL BE CLEANED TO THE SATISFACTION OF THE ENGINEER BEFORE THE RAMP ARE REOPENED. THIS WILL INCLUDE THE REMOVAL OF ALL LEDGE FROM THE RAMP TRAVELED WAY, DITCH LINE AND SHOULDERS, INCLUDING REPAIRING DAMAGED PAVEMENT, PAVEMENT MARKINGS AND DELINEATORS.
5. PAYMENT FOR THE PORTABLE MESSAGE BOARDS SHALL BE PAID UNDER CONTRACT ITEM 641.17 "PORTABLE CHANGEABLE MESSAGE SIGN RENTAL." PAYMENT FOR THE UNIFORMED TRAFFIC OFFICER SHALL BE MADE UNDER CONTRACT ITEM 630.10 "UNIFORMED TRAFFIC OFFICER". PAYMENT FOR ALL OTHER WORK ASSOCIATED WITH CLOSING THE LANES, INCLUDING ALL EQUIPMENT ASSOCIATED WITH CLOSING THE TRAVELED LANE AND CLEANING THE RAMP SURFACE AND REPAIRING ANY DAMAGE SHALL BE PAID FOR UNDER CONTRACT ITEM 641.10 "TRAFFIC CONTROL."



**TRAFFIC CONTROL TABLE**

TYPICAL	LOCATION	TRAFFIC CONTROL REQUIRED	COMMENT
#10	NB MEDIAN MM 71.55 - 71.65	SHORT TERM PASSING LANE CLOSURE DURING WORKING HOURS	WORK DONE IN CONJUNCTION WITH SB MEDIAN MM 71.55 - 71.70, NO BLASTING
#11	NB OUTSIDE MM 71.55 - 71.70	LONG TERM SHOULDER CLOSURE, SHORT TERM TRAVEL LANE CLOSURE	SCALING, TRIM BLASTING, AND ROCK DOWELING, USE BLASTING SIGN PACKAGE
#12	NB OUTSIDE MM 95.65 - 95.75	SHORT TERM TRAVEL LANE CLOSURE	HAND SCALING ONLY, IF BLASTING OCCURS, USE BLASTING SIGN PACKAGE
#13	NB MEDIAN MM 95.73 - 95.95	SHORT TERM PASSING LANE CLOSURE	HAND SCALING, TRIM BLASTING AND ROCK DOWELING, USE BLASTING SIGN PACKAGE
#14	SB OUTSIDE MM 95.50 - 96.00	LONG TERM TRAVEL LANE CLOSURE WITH BLASTING SIGNS	HIGH SCALING, TRIM BLASTING AND MACHINE SCALING, NO BLASTING
#15	SB OUTSIDE MM 89.65 - 89.92	LONG TERM TRAVEL LANE CLOSURE	HAND SCALING ONLY, IF BLASTING OCCURS, USE BLASTING SIGN PACKAGE
#16	SB OUTSIDE MM 89.45 - 89.62	LONG TERM TRAVEL LANE CLOSURE WITH BLASTING SIGNS	TRIM BLASTING EXPECTED, ROCK DOWELING, USE BLASTING SIGN PACKAGE
#17	SB OUTSIDE MM 86.63 - 86.75	LONG TERM TRAVEL LANE CLOSURE WITH BLASTING SIGNS & ROLLING ROAD BLOCK	BLASTING ANTICIPATED AT SITE, USE BLASTING SIGN PACKAGE
#18	SB OUTSIDE MM 77.28 - 77.52	LONG TERM TRAVEL LANE CLOSURE	HAND SCALING ONLY, IF BLASTING OCCURS, USE BLASTING SIGN PACKAGE
#19	SB MEDIAN MM 71.55 - 71.70	SHORT TERM PASSING LANE CLOSURE DURING WORKING HOURS	WORK DONE IN CONJUNCTION WITH SB MEDIAN MM 71.55 - 71.70, NO BLASTING
#20	SB OUTSIDE MM 71.60 - 71.68	LONG TERM SHOULDER CLOSURE, SHORT TERM TRAVEL LANE CLOSURE	HAND SCALING ONLY, IF BLASTING OCCURS, USE BLASTING SIGN PACKAGE
#21	SB OUTSIDE MM 71.25 - BRIDGE	LONG TERM SHOULDER CLOSURE, SHORT TERM TRAVEL LANE CLOSURE	HAND SCALING ONLY, IF BLASTING OCCURS, USE BLASTING SIGN PACKAGE
#22	SB OUTSIDE EXIT 11 OFF RAMP	SHORT TERM RAMP CLOSURE, NIGHT WORK	HAND SCALING ONLY, MACHINE SCALING, NO BLASTING ALLOWED

**TRAFFIC CONTROL NOTES**

PROJECT NAME:	HARTFORD - NEWBURY	
PROJECT NUMBER:	IM 091- 2(72)	
FILE NAME:	d99a052_frm.dgn	PLOT DATE: 21-JUL-2009
PROJECT LEADER:	K. UPMAL	DRAWN BY: N. PAPPAS
DESIGNED BY:	N. PAPPAS	CHECKED BY: A. BOMBARDIER
IPARM FILE NAME:	d99a052_tc_notes	SHEET 15 OF 45