

# MAINTENANCE OF TRAFFIC NOTES

## GENERAL NOTES

- 1) UNLESS OTHERWISE APPROVED OR DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL PLAN AND EXECUTE THE WORK IN ACCORDANCE WITH THE 'MAINTENANCE OF TRAFFIC PLAN'.
- 2) TRAFFIC CONTROL DEVICES AND SAFETY MEASURES SHALL COMPLY WITH THE FOLLOWING AND THE LATEST REVISIONS:
  - 2009 USDOT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)
  - 2011 VA SUPPLEMENT TO THE MUTCD
  - 2011 VIRGINIA WORK AREA PROTECTION MANUAL (VWAPM)
  - 2016 VDOT ROAD AND BRIDGE STANDARDS
  - 2016 VDOT ROAD AND BRIDGE SPECIFICATIONS
  - 2016 VDOT GUIDELINES FOR WORK ZONE TRAFFIC CONTROL FOR PEDESTRIANS & BICYCLISTS
- 3) THE SUGGESTED TRAFFIC CONTROL FEATURES SHOWN HERE DEPICT THE MAJOR TRAFFIC CONTROL ITEMS. DAILY CONTROL OF TRAFFIC INCLUDING THE PLACEMENT, MAINTENANCE AND REMOVAL OF TRAFFIC CONTROL DEVICES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- 4) IT IS NOT THE INTENT OF THE TRAFFIC CONTROL FEATURES DESIGNATED ON THESE PLANS TO ENUMERATE EVERY DETAIL WHICH MUST BE CONSIDERED DURING THE CONSTRUCTION, BUT ONLY TO INDICATE THE GENERAL HANDLING OF TRAFFIC. THE CONTRACTOR SHALL SUBMIT A DETAILED TRAFFIC CONTROL PLAN TO THE ENGINEER FOR APPROVAL PRIOR TO BEGINNING CONSTRUCTION FOR MAINTENANCE OF TRAFFIC PLANS OTHER THAN THE APPROVED MAINTENANCE OF TRAFFIC PLANS SHOWN IN THE PROPOSAL. ANY MAINTENANCE OF TRAFFIC PLANS SUBMITTED BY THE CONTRACTOR THAT DIFFER FROM THE APPROVED MAINTENANCE OF TRAFFIC PLANS MUST BE SUBMITTED WITH THE SAME LEVEL OF DETAILS AS THE APPROVED MAINTENANCE OF TRAFFIC PLANS APPROVED IN THE PROPOSAL.
- 5) THE ENGINEER SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO ANY MODIFICATIONS TO EXISTING PAVEMENT MARKINGS.
- 6) THE CLEAR ZONE SHALL BE MAINTAINED FREE OF PARKED EQUIPMENT AND STORED MATERIALS OR OTHERWISE PROTECTED IN ACCORDANCE WITH THE VIRGINIA WORK AREA PROTECTION MANUAL. (IF CONTRACTOR WISHES TO PARK IN THE RIGHT-OF-WAY, AND OUTSIDE OF CLEAR ZONE, A WRITTEN REQUEST SHALL BE MADE TO THE ENGINEER.)
- 7) ALL SIGNS, GROUP 2 CHANNELIZING DEVICES, AND ANY OTHER DEVICES USED IN THE CONSTRUCTION ZONE SHALL BE FURNISHED BY THE CONTRACTOR AND SHALL BE KEPT CLEAN AND PROPERLY ALIGNED AT ALL TIMES.
- 8) PROPOSED PAVEMENT MARKINGS TO INCLUDE CENTER SKIP LINE AND PAVEMENT EDGE STRIPING SHALL BE INSTALLED IN ACCORDANCE WITH MUTCD AND VDOT ROAD & BRIDGE STANDARDS.
- 9) PHASED CONSTRUCTION OF ROADWAY AS DESCRIBED SHALL INCLUDE ALL ITEMS SUCH AS PAVEMENT, CONCRETE, DRAINAGE, EROSION & SEDIMENT CONTROL, MARKING, SIGNING, UTILITIES, GUARDRAIL, SIGNALIZATION, BARRIER, & SLOPE CONSTRUCTION/GRADING.
- 10) ANY EXCAVATIONS WHICH ARE SPECIFICALLY APPROVED BY THE ENGINEER TO REMAIN OPEN PAST NORMAL WORKING HOURS AND/OR AS NOTED IN THE TRAFFIC CONTROL PLAN WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PROTECTED WITH CONCRETE BARRIER TYPE "A" AND IMPACT ATTENUATORS IN ACCORDANCE WITH THE VIRGINIA WORK AREA PROTECTION MANUAL.
- 11) EACH CONSTRUCTION PHASE AND/OR STAGE OF A PARTICULAR ROADWAY SHALL BE COMPLETED TO THE INSTALLATION OF ASPHALT INTERMEDIATE COURSE BEFORE BEGINNING THE NEXT PHASE OR STAGE, UNLESS OTHERWISE SHOWN OR DIRECTED BY THE ENGINEER. WHERE REQUIRED, TEMPORARY PAVEMENT SHALL BE INSTALLED IN ITS ENTIRETY.
- 12) PRIVATE ENTRANCES SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE ENGINEER, IN WHICH CASE, THE CONTRACTOR SHALL NOTIFY THE AFFECTED PROPERTY OWNERS 72 HOURS PRIOR TO ANY MODIFICATION OF THEIR ENTRANCE.
- 13) THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST ONE WEEK PRIOR TO CHANGING STAGES OF A PARTICULAR ROADWAY.
- 14) ALL AREAS EXCAVATED BELOW EXISTING PAVEMENT SURFACE AND WITHIN THE CLEAR ZONE AT THE CONCLUSION OF EACH WORKDAY SHALL BE BACKFILLED TO FORM AN APPROXIMATE 6:1 (MIN. 4:1) WEDGE AGAINST THE EXISTING PAVEMENT SURFACE FOR THE SAFETY AND PROTECTION OF VEHICULAR TRAFFIC.
- 15) EXISTING SURFACE, AGGREGATE BASE, AND SUBBASE MATERIAL WHICH WILL BE DEMOLISHED OR REMOVED DURING CONSTRUCTION AND WHICH IS SUITABLE FOR RE-USE, AS DETERMINED BY THE ENGINEER, SHALL BE SALVAGED AND UTILIZED FOR MAINTENANCE OF TRAFFIC PRIOR TO THE USE OF COMMERCIAL MATERIAL. (STORAGE AREA FOR THIS MATERIAL SHALL BE COORDINATED WITH THE ENGINEER).
- 16) APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION. THESE ARE DESIGNATED ON THE E&S SHEETS.

- 17) IF CONTRACTOR CHOOSES TO UTILIZE TEMPORARY SHORING TO FACILITATE CONSTRUCTION OF THE PROJECT, CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS TO THE CITY FOR REVIEW AND APPROVAL, WHICH ARE SEALED BY A LICENSED VIRGINIA PROFESSIONAL ENGINEER. THESE NEED TO BE SUBMITTED AT LEAST 30 DAYS IN ADVANCE OF INSTALLATION. THIS COST WILL BE INCIDENTAL TO OTHER ITEMS.

- 18) CONTRACTOR SHALL MAINTAIN THE WORK ZONE TRAFFIC CONFIGURATION SUCH THAT IT ACCOMMODATES ALL TRUCK TURNING MOVEMENTS DURING ALL STAGES OF CONSTRUCTION.

### SIGNS

- 1) SIGN SPACING AND LOCATION SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
- 2) ALL CONSTRUCTION SIGNS THAT GOVERN TRAFFIC FLOW THROUGH THE WORK ZONE SHALL BE COVERED OR REMOVED AND STORED AWAY FROM TRAFFIC WHEN NOT IN USE.
- 3) THE CONTRACTOR SHALL TEMPORARILY COVER ANY EXISTING SIGNS THAT ARE CONTRARY TO CONSTRUCTION SIGNS AND UNCOVER THESE AT THE COMPLETION OF THE PROJECT AS DIRECTED BY THE ENGINEER.
- 4) SIGNING FOR PROJECT LIMITS SHALL BE IN ACCORDANCE WITH VWAPM FIG. TTC-53.0.
- 5) ADDITIONAL SIGNS AND BARRICADES MAY BE REQUIRED BY THE ENGINEER.

### CONSTRUCTION PAVEMENT MARKINGS

- 1) ALL TEMPORARY PAVEMENT MARKINGS AND MARKERS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- 2) ALL TEMPORARY PAVEMENT MARKINGS SHALL BE TYPE F.
- 3) ERADICATION OF EXISTING PAVEMENT MARKINGS AND MARKERS SHALL BE IN ACCORDANCE WITH VWAPM FIG. TTC-55.1. IN ADDITION TO THE MINIMUM ERADICATION REQUIREMENTS IN FIG. TTC-55.1, ANY EXISTING PAVEMENT MARKINGS AND MARKERS THAT CONFLICT WITH TEMPORARY PAVEMENT MARKINGS AND MARKERS SHALL BE ERADICATED.
- 4) TEMPORARY PAVEMENT MARKERS SHALL BE INSTALLED IN WORK ZONES THAT ENCROACH UPON TRAVELED ROADWAYS FOR MORE THAN 48 HOURS. TEMPORARY PAVEMENT MARKERS SHALL BE INSTALLED IN TRANSITION AND LANE SHIFT AREAS ON 20-FOOT CENTERS.
- 5) NON REFLECTIVE REMOVABLE BLACK CONSTRUCTION PAVEMENT MARKINGS (TYPE E, 6") MAY BE USED IN LIEU OF ERADICATION IF APPROVED BY THE ENGINEER.
- 6) ALL CONSTRUCTION PAVEMENT MARKINGS SHALL CONFORM TO THE MUTCD AND VIRGINIA WORK AREA PROTECTION MANUAL, OR THE MOST RECENT REVISION THERETO.

### TRAFFIC BARRIER SERVICE

- 1) TRAFFIC BARRIER SERVICE SHALL BE INSTALLED AND REMOVED SO AS NOT TO PRESENT ANY BLUNT END OR HAZARD TO THE MOTORING PUBLIC. THE PLACEMENT AND REMOVAL OF THE TRAFFIC BARRIER SERVICE AND BARRICADES ARE TO BE COORDINATED BY THE PROJECT SAFETY OFFICER. THE CONTRACTOR SHALL LIFT TRAFFIC BARRIER SERVICE INTO PLACE. SLIDING TRAFFIC BARRIER SERVICE INTO PLACE WILL NOT BE PERMITTED.

### TRAFFIC SIGNALIZATION

- 1) COORDINATE INSTALLATION OF PERMANENT TRAFFIC SIGNALIZATION AT INTERSECTION OF CABELA DRIVE AND ROUTE 11 (LEE HIGHWAY) WITH PROPOSED SEQUENCE OF CONSTRUCTION. UTILIZE PERMANENT SIGNALIZATION, WHERE APPLICABLE TO AID IN THE MAINTENANCE OF TRAFFIC THROUGH THE PROJECT WORK ZONE. PERMANENT SIGNAL HEADS SHALL REMAIN COVERED UPON INSTALLATION OR WHEN NOT BEING UTILIZED FOR TEMPORARY TRAFFIC CONTROL. SEE SHEETS 6.1 AND 6.2 FOR PROJECT SIGNALIZATION PLANS.
- 2) TEMPORARY SIGNALIZATION WILL BE INSTALLED AND UTILIZED AT THE INTERSECTION OF FALLS BOULEVARD AND CABELA DRIVE TO MAINTAIN DETOURED TRAFFIC THROUGH 'THE FALLS' DEVELOPMENT. TEMPORARY SIGNALIZATION SHALL REMAIN IN PLACE FOR DURATION OF DETOUR FROM RTE. 11 THROUGH 'THE FALLS'.

## CITY OF BRISTOL - CONTACT INFORMATION

BRISTOL VIRGINIA ENGINEERING OFFICE: (276) 645-7360  
 BRISTOL VIRGINIA CONSTRUCTION INSPECTOR, CHARLES BREWSTER:  
 (276) 821-6248 OR (243) 502-2353  
 BRISTOL VIRGINIA WORK ZONE SAFETY COORDINATOR, CHARLES BREWSTER:  
 (276) 821-6248 OR (243) 502-2353  
 BRISTOL VIRGINIA DIRECTOR OF CITY ENGINEER, WALLACE MCCULLOCH:  
 (276) 645-7360  
 BRISTOL VIRGINIA EMERGENCY SERVICES: (276) 645-7400

## PUBLIC COMMUNICATIONS PLAN

-FOR SCHEDULED WORK PLANS AND TRAFFIC DELAYS CONTACT:

BRISTOL VIRGINIA ENGINEERING OFFICE (276) 645-7360

BRISTOL VIRGINIA CONSTRUCTION INSPECTOR, CHARLES BREWSTER:  
 (276) 821-6248 OR (243) 502-2353

-FOR UNSCHEDULED TRAFFIC DELAYS CONTACT:

BRISTOL VIRGINIA ENGINEERING OFFICE (276) 645-7360

BRISTOL VIRGINIA CONSTRUCTION INSPECTOR, CHARLES BREWSTER:  
 (276) 821-6248 OR (243) 502-2353

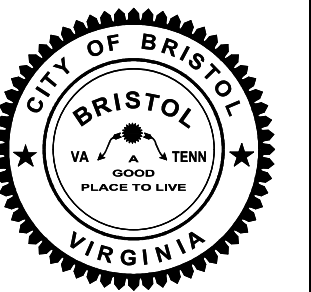
## TRANSPORTATION OPERATIONS PLAN

-FOR ROAD CLOSURE NOTIFY BRISTOL VIRGINIA ENGINEERING OFFICE AND BRISTOL VIRGINIA EMERGENCY SERVICES

-FOR LOCAL EMERGENCY RESPONSE CALL 911

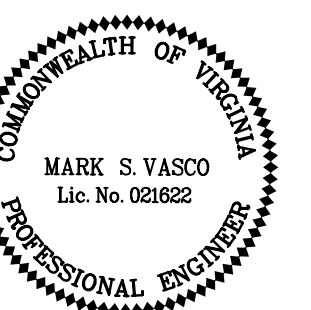
-IN RESPONSE TO TRAFFIC INCIDENTS CONTACT BRISTOL VIRGINIA EMERGENCY SERVICES, BRISTOL VIRGINIA ENGINEERING OFFICE, AND BRISTOL VIRGINIA CONSTRUCTION INSPECTOR

-IN CASE OF MULTIPLE INCIDENTS, REVIEW PLAN WITH BRISTOL VIRGINIA ENGINEERING OFFICE



CITY OF  
 BRISTOL, VIRGINIA  
 300 LEE STREET  
 BRISTOL, VA 24201  
 (276) 645-7470

REVISIONS	DATE



WIDENING OF  
 LEE HIGHWAY  
 MOT  
 UPC 105753

MAINTENANCE  
 OF TRAFFIC  
 GENERAL NOTES

DATE:  
 MAY 2017

DRAWING NO.  
 XXX-XXX

FILE NAME:  
 LEE HWY EXIT 5

SHEET NUMBER  
 8.1 of 11