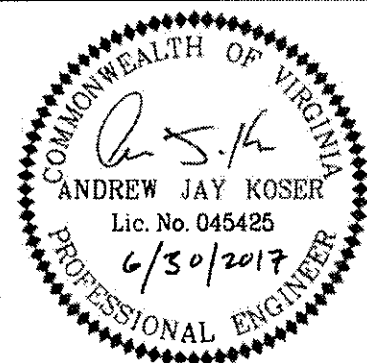


TEMPORARY TRAFFIC CONTROL PLAN NOTES:

1. UNLESS OTHERWISE APPROVED OR DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL PLAN AND PERFORM THE WORK IN ACCORDANCE WITH THE FOLLOWING NOTES AND TEMPORARY TRAFFIC CONTROL PLANS.
2. IF THE CONTRACTOR PROPOSES TO DEVIATE FROM THE APPROVED TRAFFIC CONTROL PLANS, HE / SHE SHALL SUBMIT A DETAILED TRAFFIC CONTROL PLAN TO THE CONSTRUCTION ENGINEER FOR APPROVAL PRIOR TO BEGINNING CONSTRUCTION. 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 DETAIL AS THE APPROVED MAINTENANCE OF TRAFFIC PLANS IN THE PROPOSAL.
3. LANE CLOSURES ARE NOT PERMITTED BETWEEN 6 A.M. AND 9 A.M., AND 4 P.M. AND 7 P.M. LANES SHALL BE FULLY OPEN TO TRAFFIC DURING THESE HOURS.
4. TRAFFIC CONTROL DEVICES SHALL COMPLY WITH:  
A. 2011 VIRGINIA WORK AREA PROTECTION MANUAL (VWAPM) WITH REVISIONS 1 AND 1A.  
B. 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) WITH REVISIONS 1 AND 2.  
C. 2011 VIRGINIA SUPPLEMENT TO THE MUTCD WITH REVISION 1.
5. IT IS NOT THE INTENT OF THESE PLANS TO ENUMERATE EVERY DETAIL WHICH MUST BE CONSIDERED IN THE CONSTRUCTION OF EACH STAGE, BUT ONLY TO SHOW THE GENERAL HANDLING OF TRAFFIC.
6. THE TRAFFIC CONTROL FEATURES SHOWN HERE DEPICT THE MAJOR TRAFFIC CONTROL ITEMS (FOR EXAMPLE, LOCATION OF SHADOW VEHICLES NOT SHOWN). DAILY CONTROL OF TRAFFIC INCLUDING THE PLACEMENT, MAINTENANCE AND REMOVAL OF TRAFFIC CONTROL DEVICES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
7. TRAFFIC CONTROL PLANS SHOW GENERAL LANE CLOSURES FOR THE WORK; HOWEVER, THE LENGTH OF CLOSURE EMPLOYED EACH DAY SHOULD BE FOR ONLY THE AMOUNT OF WORK ZONE NEEDED TO BE PROTECTED THAT DAY PLUS UPSTREAM BUFFER SPACES, TAPERS, ETC. PER THE VWAPM.
8. ALL SIGNS, 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.
9. THE CLEAR ZONE SHALL BE MAINTAINED FREE OF PARKED EQUIPMENT AND STORED MATERIALS OR OTHERWISE PROTECTED IN ACCORDANCE WITH THE VWAPM.
10. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SIGHT DISTANCE WITH THE PLACEMENT OF ALL TRAFFIC CONTROL DEVICES AND CONSTRUCTION EQUIPMENT / MATERIAL. THIS INCLUDES FOR LEFT-TURNING VEHICLES AT INTERSECTIONS AND MEDIAN CROSSEOVERS. IF ADEQUATE SIGHT DISTANCE CANNOT BE ACHIEVED IN THESE AREAS, THE LEFT TURN LANES SHALL BE CLOSED AND LEFT TURNS PROHIBITED IN ACCORDANCE WITH VWAPM FIGURE 29.1.
11. EXCAVATED AREAS SHALL BE BACKFILLED AND REPAIRED OR OTHERWISE PROTECTED IN ACCORDANCE WITH SECTION 4.4 OF THE CITY OF ROANOKE RIGHT-OF-WAY EXCAVATION AND RESTORATION STANDARDS REVISED JULY 1, 2013.
12. WHEN A DROPOFF CONDITION EXISTS, THE CONTRACTOR SHALL ADHERE TO VWAPM APPENDIX A.
13. ALL CONFLICTING HIGHWAY SIGNS SHALL BE COVERED. ADDITIONALLY, ALL WORK ZONE SIGNS NOT IN USE SHALL BE COVERED OR REMOVED. IF COVERED, SIGNS SHALL BE DELINEATED PER THE VWAPM.
14. CONTRACTOR SHALL NOTE THE POSSIBLE PRESENCE OF EXISTING UTILITIES ADJACENT TO EXISTING ROADWAYS. CONTRACTOR SHALL CONFIRM POST MOUNTING OF CONSTRUCTION SIGNS DO NOT CONFLICT WITH EXISTING UTILITIES.
15. ACCESS TO RESIDENTIAL PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
16. ACCESS TO BUSINESS/COMMERCIAL ENTRANCES SHALL BE MAINTAINED AT ALL TIMES DURING THE NORMAL OPERATING HOURS OF EACH BUSINESS. NOTIFICATION SHALL BE PROVIDED AT LEAST 72 HOURS PRIOR TO CLOSING A BUSINESS ENTRANCE DURING NON-BUSINESS HOURS.
17. WHERE WORK IS OCCURRING IN FRONT OF BUSINESS/COMMERCIAL/RESIDENTIAL ENTRANCES, SUFFICIENT TRAFFIC CONTROL DEVICES SHALL BE PROVIDED IN ORDER TO DIRECT MOTORISTS AROUND THE WORK AREA.
18. CHANNELIZING DEVICE SPACING:  
TRANSITION / TURN LANE SPACING: 20-FT  
TRAVELWAY SPACING: 40-FT
19. UNLESS OTHERWISE NOTED, SIGN SIZES SHALL MEET THE REQUIREMENTS OF VWAPM TABLE 6F-1.
20. "UTILITY WORK AHEAD" (W21-7) SIGNS MAY BE SUBSTITUTED FOR "ROAD WORK AHEAD" (W20-1) SIGNS WHERE APPROPRIATE. SEE VWAPM SECTION 6F.45.

TEMPORARY TRAFFIC CONTROL PLAN FIGURE NOTES:

1. FIGURE 1 - FOR WORK WITHIN AND ADJACENT TO THE LEFT LANE OF WESTBOUND MELROSE AVE. THE INTENT OF THIS FIGURE IS TO SHOW THE REQUIREMENTS FOR THE ENTIRE LENGTH OF WORK ZONE. IT IS NEITHER EXPECTED, NOR PERMITTED FOR THE ENTIRE LENGTH OF THE WORK ZONE TO BE CLOSED AT A SINGLE TIME. ONLY THOSE SIGNS AND CHANNELIZING DEVICES NEEDED TO COVER THE LENGTH OF WORK ZONE THAT IS ACTUALLY CLOSED SHOULD BE PLACED. FOR EXAMPLE: LEFT TURN LANES AND MEDIAN CROSSEOVERS SHOULD ONLY BE CLOSED WHEN WORK IS OCCURRING IN THOSE INTERSECTIONS.  
  
THE WESTBOUND LEFT TURN LANE ONTO WESTSIDE BLVD. MAY REQUIRE CLOSURE DEPENDING ON THE EXACT LOCATION OF THE WORK. IN THIS CASE THE OPENING SHOULD BE CLOSED AND THE "BEGIN LEFT TURN LANE" (R3-20L) SIGN SHOULD BE REMOVED AND REPLACED WITH THE NO LEFT TURN (R3-2) SIGN.
2. FIGURE 2 - FOR WORK WITHIN AND ADJACENT TO THE RIGHT LANE OF WESTBOUND MELROSE AVE. THE INTENT OF THIS FIGURE IS TO SHOW THE REQUIREMENTS FOR THE ENTIRE LENGTH OF WORK ZONE. IT IS NEITHER EXPECTED, NOR PERMITTED FOR THE ENTIRE LENGTH OF THE WORK ZONE TO BE CLOSED AT A SINGLE TIME. ONLY THOSE SIGNS AND CHANNELIZING DEVICES NEEDED TO COVER THE LENGTH OF WORK ZONE THAT IS ACTUALLY CLOSED SHOULD BE PLACED.
3. FIGURE 3 - FOR WORK WITHIN AND ADJACENT TO THE LEFT LANE OF EASTBOUND MELROSE AVE. THE INTENT OF THIS FIGURE IS TO SHOW THE REQUIREMENTS FOR THE ENTIRE LENGTH OF WORK ZONE. IT IS NEITHER EXPECTED, NOR PERMITTED FOR THE ENTIRE LENGTH OF THE WORK ZONE TO BE CLOSED AT A SINGLE TIME. ONLY THOSE SIGNS AND CHANNELIZING DEVICES NEEDED TO COVER THE LENGTH OF WORK ZONE THAT IS ACTUALLY CLOSED SHOULD BE PLACED.
4. FIGURE 4 - FOR WORK WITHIN AND ADJACENT TO THE RIGHT LANE OF EASTBOUND MELROSE AVE. THE INTENT OF THIS FIGURE IS TO SHOW THE REQUIREMENTS FOR THE ENTIRE LENGTH OF WORK ZONE. IT IS NEITHER EXPECTED, NOR PERMITTED FOR THE ENTIRE LENGTH OF THE WORK ZONE TO BE CLOSED AT A SINGLE TIME. ONLY THOSE SIGNS AND CHANNELIZING DEVICES NEEDED TO COVER THE LENGTH OF WORK ZONE THAT IS ACTUALLY CLOSED SHOULD BE PLACED.  
  
FOR WORK WITHIN THE SIDEWALKS ADJACENT TO WESTBOUND & EASTBOUND MELROSE AVE., A SAFE AND CLEAR PATH SHALL BE PROVIDED FOR PEDESTRIANS AROUND THE WORK ZONE (NOT WITHIN THE TRAVELWAY OF MELROSE AVE.) ADDITIONAL TRAFFIC CONTROL DEVICES SHALL BE PROVIDED AS NECESSARY (E.G., CHANNELIZING DEVICES, TYPE III BARRICADES, SIGNS, ETC.). IF NO ALTERNATIVE EXISTS ALONG THE SIDEWALK, A SIDEWALK DIVERSION SHALL BE ESTABLISHED WITHIN THE CLOSED BIKE LANE IN ACCORDANCE WITH VWAPM FIGURE TTC-35.0.  
  
FOR THE FOLLOWING FIGURES/DETOURS, WORK SHALL NOT BE PERFORMED ON MULTIPLE SIDE STREETS AT THE SAME TIME:
5. FIGURE 5 - FOR WORK WITHIN MONROE ST. CONTRACTOR SHALL COORDINATE WITH BUSINESS ON THE NORTHEAST CORNER OF MELROSE AVE. AND MONROE ST. AND SHALL MAINTAIN ACCESS TO THE BUSINESS DURING THE NORMAL WORKING HOURS OF THE BUSINESS. IF NECESSARY, CONTRACTOR MAY SEQUENCE THE ROAD CLOSURE (I.E., CLOSE SOUTHERN PORTION OF ROAD THEN CLOSE NORTHERN PORTION OF ROAD) TO MAINTAIN ACCESS TO THE BUSINESS. FOR WORK WITHIN THE INTERSECTION OF MONROE ST. AND VIRGINIA AVE., CONTRACTOR SHALL FLAG THE INTERSECTION. SEE VWAPM TTC-28.1 FOR GUIDANCE.
6. FIGURE 6 - FOR WORK WITHIN VAN BUREN ST. (NORTH OF MELROSE AVE.)
7. FIGURE 7 - FOR WORK WITHIN VAN BUREN ST. (SOUTH OF MELROSE AVE.) THE PORTION OF ROAD LEADING TO THE ENTRANCES IN FRONT OF THE FAST-FOOD RESTAURANT (FROM MELROSE AVE.) SHALL BE OPEN BY 10 A.M.
8. FIGURE 8 - FOR WORK WITHIN ADAMS ST.
9. FIGURE 9 - FOR WORK WITHIN FENTRESS ST.
10. FIGURE 10 - FOR WORK WITHIN 36TH ST. WHEN WORK IS OCCURRING ADJACENT TO THE INTERSECTION WITH MELROSE AVE., THE WORK SHALL BE PERFORMED AS EXPEDITIOUSLY AS POSSIBLE AND THE FLAGGERS SHALL BE COGNIZANT OF VEHICLES APPROACHING 36TH ST. IN ORDER TO PREVENT VEHICLES BEING STOPPED ON MELROSE AVE.
11. FIGURE 11 - FOR WORK WITHIN 35TH ST. WHEN WORK IS OCCURRING ADJACENT TO THE INTERSECTION WITH MELROSE AVE., THE WORK SHALL BE PERFORMED AS EXPEDITIOUSLY AS POSSIBLE AND THE FLAGGERS SHALL BE COGNIZANT OF VEHICLES APPROACHING 35TH ST. IN ORDER TO PREVENT VEHICLES BEING STOPPED ON MELROSE AVE.
12. DETOUR MAP - FOR WORK WITHIN WESTSIDE BLVD. CHANNELIZING DEVICES NEEDED TO CLOSE OFF ROAD ARE NOT SHOWN. ACCESS TO BUSINESS LOCATED MID-BLOCK BETWEEN MELROSE AVE. AND VIRGINIA AVE. SHALL BE MAINTAINED.



WESTERN VIRGINIA WATER AUTHORITY  
601 South Jefferson Street, Suite 300  
Roanoke, Virginia 24011

DES: AJK  
DRAWN: RDW  
CHECK: WBS  
DATE: 6/30/17

SCALE: N/A  
HORIZ:  
VERT:

MELROSE AVENUE, NW  
WATER MAIN REPLACEMENT

TEMPORARY TRAFFIC CONTROL PLAN  
NOTES

DRAWING  
-

SHEET  
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