## GRAPHIC SCALE

( IN FEET )
1 inch = 30 ft.

30  0  15  30  60  120

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# TRANSPORTATION MANAGEMENT PLAN

## TEMPORARY TRAFFIC CONTROL PLAN

### 1. PROJECT CATEGORY (MINIMUM TMP REQUIREMENTS)

A. THIS WILL BE A CATEGORY B PROJECT (MODERATE LEVEL OF CONSTRUCTION)
  i. THIS WILL BE PERMITTED WORK.
  ii. THIS PROJECT WILL INVOLVE TRAFFIC CONTROL DEVICES AND LANE CLOSURES TO ENSURE SAFE TRAVEL AROUND THE WORK ZONES.

### 2. TEMPORARY TRAFFIC CONTROL (TTC) PLAN

A. MAJOR COMPONENTS WILL CONSIST OF GENERAL NOTES, TYPICAL SECTIONS AND SPECIAL DETAILS AS NECESSARY.
B. TRAFFIC CONTROL DEVICES SHALL BE USED AS SHOWN ON THIS PLAN.
C. ALL SIGNS, STRIPING, AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH VIRGINIA WORK AREA PROTECTION MANUAL AND MUTCD STANDARDS.

## PUBLIC COMMUNICATION PLAN

CRISIS COMMUNICATION PLAN:

AS WITH ANY CRISIS, EMERGENCY RESPONDERS (911) SHOULD BE NOTIFIED IMMEDIATELY IF NECESSARY.

THE SALEM RESIDENCY ADMINISTRATOR OR HIS DESIGNEE SHOULD BE NOTIFIED IMMEDIATELY.

IF THE EMERGENCY IS TRAFFIC RELATED, THE SALEM RESIDENCY ADMINISTRATOR OR HIS DESIGNEE SHOULD IMMEDIATELY NOTIFY THE TRAFFIC OPERATIONS CENTER AT 540-378-5098.

THE SALEM RESIDENCY ADMINISTRATOR, PUBLIC AFFAIRS AND TRAFFIC OPERATIONS CENTER WILL WORK TOGETHER TO INFORM THE TRAVELING PUBLIC, EMERGENCY RESPONDERS AND THE MEDIA ABOUT DELAYS AND UNEXPECTED CHANGES IN TRAFFIC PATTERNS USING THE CONTACT LIST BELOW, AND OTHER RESOURCES IF NECESSARY.

CONTACTS:
A. ROANOKE COUNTY:
  1. ROANOKE COUNTY POLICE: 540-777-8601
  2. ROANOKE COUNTY FIRE & RESCUE: CHIEF RICHARD BURCH 540-777-8701
  3. EMERGENCY COMMUNICATION CENTER: 540-562-3265
  4. ROANOKE COUNTY SCHOOLS: DR. LORRAINE LANGE 540-562-3700
  5. ROANOKE COUNTY BOARD OF SUPERVISORS: 540-772-2005

B. CITY OF ROANOKE:
  1. CITY OF ROANOKE POLICE: 540-853-2211
  2. CITY OF ROANOKE FIRE-EMS: 540-853-2327
  3. CITY OF ROANOKE EMERGENCY MANAGEMENT: 540-853-2795
  4. CITY OF ROANOKE SCHOOLS: 540-853-2502

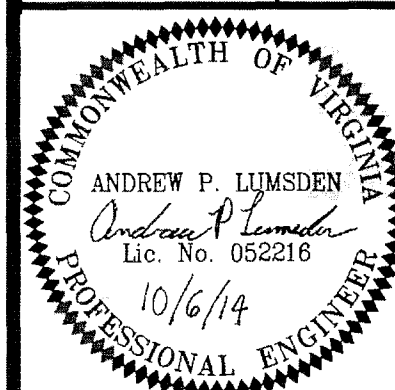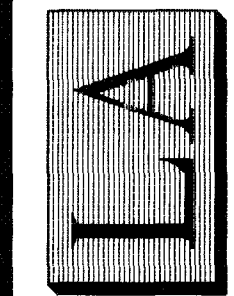C. VIRGINIA STATE POLICE (DIVISION SIX HEADQUARTERS): 540-375-9500

## MAINTENANCE OF TRAFFIC NOTES:

1. IT IS NOT THE INTENT OF THIS PLAN TO ENUMERATE EVERY DETAIL WHICH MUST BE CONSIDERED IN THE CONSTRUCTION OF EACH WORK ZONE, BUT ONLY TO SHOW THE GENERAL FEATURES NECESSARY TO PROVIDE FOR PROPER HANDLING OF TRAFFIC. THE CONSTRUCTION TECHNIQUES ULTIMATELY EMPLOYED BY THE CONTRACTOR ARE TO BE APPROVED BY VDOT. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE FOR SAFE TRAVEL AROUND THE WORK ZONES.

2. THREE MAIN WORK ZONES ARE SHOWN ON THIS PLAN. THEY CONSIST OF:

| | |
|---|---|
| WORK ZONE #1: | RIGHT TURN LANE & SHOULDER CLOSURE ON HERSHBERGER ROAD TO BE PERFORMED IN ACCORDANCE WITH TTC-29.0 & TTC-4.0 OF THE VIRGINIA WORK AREA PROTECTION MANUAL. |
| WORK ZONE #2: | RIGHT TURN LANE & SHOULDER CLOSURE ON HERSHBERGER ROAD TO BE PERFORMED IN ACCORDANCE WITH TTC-29.0 & TTC-4.0 OF THE VIRGINIA WORK AREA PROTECTION MANUAL. |
| WORK ZONE #3: | LEFT TURN LANE CLOSURE ON HERSHBERGER ROAD TO BE PERFORMED IN ACCORDANCE WITH TTC-29.0 OF THE VIRGINIA WORK AREA PROTECTION MANUAL. |

3. G.C. SHALL CONTACT THE VDOT REPRESENTATIVE IN WRITING WITH A WORK SCHEDULE 2-WEEKS BEFORE STARTING WORK. THE VDOT REPRESENTATIVE WILL DETERMINE IF POLICE PATROL IS NECESSARY FOR TRAFFIC CONTROL.

4. THE CONTRACTOR SHALL COORDINATE THE SEQUENCE OF CONSTRUCTION WITH VDOT.

5. SIGN SPACING MAY BE ADJUSTED TO FIT FIELD CONDITIONS WITH VDOT APPROVAL.

6. ALL PAVEMENT MARKINGS CONFLICTING WITH TRAFFIC PATTERNS SHALL BE ERADICATED AND RESTRIPED AS NECESSARY.

7. WHEN WORK IS NOT BEING PERFORMED, THE CLEAR ZONE OF THE ROADWAY SHALL BE FREE OF STORED MATERIALS AND PARKED EQUIPMENT.

8. ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH THE MUTCD (LATEST EDITION), THE VIRGINIA WORK AREA PROTECTION MANUAL (LATEST EDITION), AND AS DIRECTED BY VDOT AND SHALL COMPLY WITH ALL REGULATIONS PROVIDED IN THE ENTRANCE PERMIT.

9. TRAFFIC FLOW ARROWS ARE SCHEMATIC ONLY AND DO NOT REPRESENT ANY PROPOSED PAVEMENT MARKINGS. PLEASE SEE SHEET 9 FOR PROPOSED PAVEMENT MARKINGS.

10. THE POSTED SPEED LIMIT ON HERSHBERGER ROAD IS 25 MPH AND ON FLORIST ROAD IS 25 MPH. ALL TAPER LENGTHS, BUFFER LENGTHS, AND CHANNELIZING SHALL BE BASED ON THESE SPEEDS.

11. SAFE ACCESS TO ALL EXISTING PUBLIC ROADWAYS SHALL BE MAINTAINED AT ALL TIMES.

12. NO WORK SHALL OCCUR ON-SITE UNTIL AN ENTRANCE PERMIT HAS BEEN ISSUED FOR THE SUBJECT PROPERTY.

13. CONSTRUCTION AFTER DARK SHALL OCCUR WITH FLOODLIGHTS BEING UTILIZED WHERE EXISTING LIGHT IS NOT ADEQUATE. THE FLOODLIGHTS SHALL NOT CREATE A DISTRACTING GLARE TO ADJACENT DRIVERS.

14. ALL FLAGGERS SHALL BE STATE CERTIFIED AND HAVE THEIR CERTIFICATION CARD IN THEIR POSSESSION WHEN PERFORMING FLAGGING DUTIES.

15. A TRUCK WITH EITHER AN ARROW BOARD OPERATING IN THE CAUTION MODE SHALL BE PARKED 50' TO 100' IN ADVANCE OF THE FIRST WORK CREW. WHEN THE POSTED SPEED LIMIT IS 45 MPH OR GREATER, A TRUCK MOUNTED ATTENUATOR SHALL BE USED.

16. CHANNELIZING DEVICES SUCH AS CONES OR BARRELS SHALL BE UTILIZED WHERE REQUIRED AND FOLLOW THE WORK AREA PROTECTION MANUAL.

17. G.C. SHALL MAINTAIN ALL EXISTING ROADWAY SIGNAGE DURING ALL PHASES OF THIS PROJECT.

## SEQUENCE OF CONSTRUCTION:

1. WORK TO BE PERFORMED WITHIN EACH OF THE 3 WORK ZONE AREAS SHALL BE SEQUENCED TO AVOID MULTIPLE ACTIVE WORK AREAS AT THE SAME TIME.

2. ENSURE ACCESS TO NORTH AND SOUTH PORTIONS OF FRIENDSHIP MANOR CAMPUS AT ALL TIMES.

3. (WORK ZONE 1) TEMPORARILY CLOSE SHOULDER OF WEST BOUND HERSHBERGER ROAD FOR CONSTRUCTION OF RIGHT TURN LANE EXTENSION AND PROPOSED ENTRANCE. AS NEW ENTRANCE CONSTRUCTION PROGRESSES, TEMPORARILY CLOSE RIGHT TURN LANE AS NEEDED IN ORDER TO DEMOLISH EXISTING ENTRANCE AND TIE RIGHT TURN LANE EXTENSION TO EXISTING RIGHT TURN LANE. RELOCATE TRAFFIC SIGNS AND PLACE PAVEMENT MARKINGS.

4. (WORK ZONE 2) TEMPORARILY CLOSE SHOULDER AND RIGHT TURN LANE OF EAST BOUND HERSHBERGER ROAD. PERFORM CONSTRUCTION OF PROPOSED RIGHT TURN LANE AND NEW ENTRANCE THEN BEGIN DEMOLITION OF EXISTING ENTRANCE. RELOCATE TRAFFIC SIGNS AND PLACE PAVEMENT MARKINGS.

5. (WORK ZONE 3) BEGIN ONLY AFTER COMPLETION OF WORK ZONE 2 CONSTRUCTION. TEMPORARILY CLOSE LEFT TURN LANE OF EAST BOUND HERSHBERGER ROAD. BEGIN CONSTRUCTION OF MS-1 MEDIAN AND PLACE PAVEMENT MARKINGS.

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**NOTE:** THIS MAINTENANCE OF TRAFFIC PLAN IS INTENDED TO PROVIDE A BASIC OVERVIEW OF THE TYPES OF TRAFFIC CONTROL MEASURES NECESSARY FOR THE MAJOR WORK ZONES ON THIS PROJECT. THIS PLAN IS NOT INTENDED TO SHOW EVERY FEATURE OF THE TRAFFIC CONTROL PLAN. THE G.C. SHALL PROVIDE VDOT WITH A COMPLETE MAINTENANCE OF TRAFFIC PLAN PRIOR TO COMMENCEMENT OF WORK WITHIN THE EXISTING RIGHT-OF-WAY AND THE G.C. SHALL ULTIMATELY BE RESPONSIBLE FOR ENSURING SAFE TRAVEL AROUND ALL WORK AREAS.

**NOTE:** SIGNAGE & SPACING TO BE ADJUSTED FOR SHOULDER CLOSURE AS NEEDED. SHOULDER CLOSURE TO BE ACCORDING TO VIRGINIA WORK AREA PROTECTION FIGURE TTC-4.0

**NOTE:** SINCE WORK AREA EXTENDS ACROSS A CROSSWALK, THE CROSSWALK SHALL BE CLOSED USING THE INFORMATION AND DEVICES SHOWN IN FIGURE TTC-36.

**NOTE:** SIGNS AND OTHER TRAFFIC CONTROL MEASURES ARE SHOWN GRAPHICALLY FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT SHOWN IN ACTUAL LOCATIONS. G.C. SHALL BE RESPONSIBLE FOR ENSURING THAT ALL SIGNAGE IS PLACED THE CORRECT DISTANCE BEFORE OR AFTER THE WORK ZONE AS SHOWN IN THE WORK AREA PROTECTION MANUAL. ALL SIGN LOCATIONS SHALL BE COORDINATED WITH VDOT.

**NOTE:** "ROAD WORK AHEAD" AND "END ROAD WORK" SIGNS SHALL ALSO BE LOCATED AT THE FRIENDSHIP MANOR ENTRANCE EAST OF LONGSTREET ROAD.

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**Hershberger Road NW**
(Right of - Way Varies)
(25 MPH Speed Limit)
(Route 625)

**Florist Road NW**
(50' Right-of-Way)
(Route 623)

Ex. Multi-Story Brick Building Convalescent Center & Offices

Ex. 1-Story Community Building

Ex. 1-Story Clinic Building

5-Story Brick Apartments (Friendship Manor Apartments)

WORK ZONE 1
WORK ZONE 2
WORK ZONE 3

Sign callouts (typical):
- W20-1, 500 FT BEFORE INTERSECTION
- G20-2(V), 500 FT AFTER WORK ZONE
- END ROAD WORK
- ROAD WORK AHEAD
- SHADOW VEHICLE REQUIRED, 80-120 FT BEFORE WORK AREA
- 160 FT BUFFER TO BE PROVIDED
- R3-1, 160 FT BEFORE SHADOW VEHICLE
- W20-V3,R, 350 FT BEFORE NO RIGHT TURN SIGN
- W20-7, 350 FT BEFORE RIGHT TURN LANE CLOSED AHEAD SIGN
- RIGHT TURN LANE CLOSED AHEAD
- IN SHOULDER

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MAINTENANCE OF TRAFFIC PLAN

FRIENDSHIP MANOR & HERSHBERGER ROAD IMPROVEMENTS
SITUATED IN
ROANOKE COUNTY &
CITY OF ROANOKE, VIRGINIA

REVISIONS
NO. | DATE | DESCRIPTION
1
2
3
4
5

DATE: October 6, 2014
SCALE: 1" = 30'
COMMISSION NO: 13-215

SHEET 10 OF 13