GENERAL NOTES (CONTINUED)

PROJ. REFERENCE NO.	SHEET NO.
I-0914BB	TMP-1C

SIGNING

S) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

T) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 500 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

U) IF APPROVED BY THE ENGINEER, THE CONTRACTOR MAY TEMPORARILY RELOCATE GUIDE SIGNS ON SKIDS BEHIND GUARDRAIL OR OTHER POSITIVE PROTECTION, RATHER THAN ON WOOD SUPPORTS. THE SKIDS MUST BE DESIGNED AND FABRICATED BY THE CONTRACTOR. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

TRAFFIC BARRIER

V) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRANSPORTATION MANAGEMENT PLANS A MAXIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING WORK IN ANY LOCATION. ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION PROCEED IN A CONTINUOUS MANNER TO COMPLETE THE PROPOSED WORK IN THAT LOCATION UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE.

ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION AND NO WORK IS PERFORMED BEHIND THE TEMPORARY BARRIER FOR A PERIOD LONGER THAN TWO (2) MONTHS, REMOVE / RESET TEMPORARY BARRIER AT NO COST TO THE DEPARTMENT UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS, TEMPORARY BARRIER IS PROTECTING A HAZARD, OR AS DIRECTED BY THE ENGINEER.

INSTALL TEMPORARY BARRIER WITH THE TRAFFIC FLOW BEGINNING WITH THE UPSTREAM SIDE OF TRAFFIC. REMOVE TEMPORARY BARRIER AGAINST THE TRAFFIC FLOW BEGINNING WITH THE DOWNSTREAM SIDE OF TRAFFIC.

INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH) TO CLOSE OR KEEP THE SECTION OF THE ROADWAY CLOSED UNTIL THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE TEMPORARY BARRIER IS REMOVED.

W) PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER AT ALL TIMES DURING THE INSTALLATION AND REMOVAL OF THE BARRIER BY EITHER A TRUCK MOUNTED ATTENUATOR (MAXIMUM 72 HOURS) OR A TEMPORARY CRASH CUSHION.

PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER FROM ONCOMING TRAFFIC AT ALL TIMES BY A TEMPORARY CRASH CUSHION UNLESS THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER IS OFFSET FROM ONCOMING TRAFFIC AS FOLLOWS OR AS SHOWN IN THE PLANS: (SEE ALSO 1101.05)

POSTED SPEED LIMIT	MINIMUM OFFSET
40 OR LESS	15 FT
45 - 50	20 FT
55	25 FT
60 MPH or HIGHER	30 FT

TRAFFIC CONTROL DEVICES

X) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.

Y) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

POSITION BARRICADES SUCH THAT THE STRIPES ARE SLOPING DOWNWARDS IN THE DIRECTION TOWARD WHICH THE TRAFFIC MUST TURN IN DETOURING.

Z) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES DRUMS PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

AA) WHEN A CMS IS PLACED WITHIN THE CLEAR ZONE, PROVIDE PROPER DELINEATION AND PROTECTION FOR THE TRAVELING PUBLIC, AS DIRECTED BY THE ENGINEER.

PAVEMENT MARKINGS AND MARKERS

BB) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:
(TEMPORARY PAVEMENT MARKINGS AND MARKERS INSTALLED IN VIRGINIA SHALL BE IN COMPLIANCE WITH DIVISION VII, SECTION 704 OF THE VDOT ROAD AND BRIDGE SPECIFICATIONS)

ROAD NAME	MARKING	MARKER
1. I-85 STRUCTURES	COLD APPLIED PLASTIC TYPE IV - REMOVABLE TAPE	TEMPORARY RAISED
2. I-85 AND ALL RAMPS (EXISTING & NEW CONCRETE PAVEMENT)	PAINT	TEMPORARY RAISED
3. CROSSOVERS	PAINT	TEMPORARY RAISED
4. NEWLY CONSTRUCTED MAINLINE CONCRETE FOR TEMPORARY PATTERNS FOR ON/ OFF RAMPS/LOOPS	COLD APPLIED PLASTIC TYPE IV - REMOVABLE TAPE	TEMPORARY RAISED

CC) PLACE TWO APPLICATIONS OF PAINT FOR TEMPORARY TRAFFIC PATTERNS THAT WILL REMAIN IN PLACE SIX (6) MONTHS OR LONGER. TEMPORARY PAVEMENT MARKINGS AND MARKERS INSTALLED IN VIRGINIA SHALL BE IN COMPLIANCE WITH DIVISION VII, SECTION 704 OF THE VDOT ROAD AND BRIDGE SPECIFICATIONS.

DD) WHEN USING COLD APPLIED PLASTIC (TYPE IV) PAVEMENT MARKINGS, PLACE TEMPORARY RAISED MARKERS HALF ON AND HALF OFF EDGELINES AND CENTERLINES TO HELP SECURE THE TAPE TO THE ROADWAY.

EE) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

FF) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

GG) TRACE THE EXISTING AND PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO REMOVAL AND INSTALLATION. PLACE DRUMS TO DELINEATE ANY EXISTING AND PROPOSED MONOLITHIC ISLANDS AFTER REMOVAL AND BEFORE INSTALLATION.

MISCELLANEOUS

HH) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.

II) DO NOT REMOVE EXISTING GUARDRAIL / CABLE GUIDERAIL AT THE PROPOSED CROSSOVER LOCATION(S) UNTIL READY TO CONSTRUCT PROPOSED CROSSOVERS IN A CONTINOUS MANNER.

JJ) ALL MARKING REMOVAL ON EXISTING I-85 SOUTHBOUND PAVEMENT ONLY SHALL BE ACCOMPLISHED BY USING THE TYPICAL REMOVAL METHOD. WHEN REMOVING MARKINGS ON I-85 SB, THE CONTRACTOR SHALL NOT REMOVE MORE THAN 1/8" OF PAVEMENT DURING THE REMOVAL PROCESS, THEN COVER WITH BLACK PAINT (SEE SPECIAL PROVISION FOR MARKING REMOVAL).

KK) WHEN REMOVING MARKERS AND MARKINGS, REMOVE ENTIRE SNOWPLOWABLE MARKER CASTING ALONG WITH LENS AND FILL VOID WITH ASPHALT.

LL) COORDINATE WITH THE ENGINEER TO ENSURE THAT THE OVERSIZE/OVERWEIGHT PERMIT UNIT IS AWARE OF ONGOING TRAFFIC OPERATIONS AND CLEAR ROADWAY WIDTHS THROUGHOUT CONSTRUCTION.

MM) COORDINATE WITH THE ENGINEER, TRAFFIC MANAGEMENT CENTER (TMC), AND EMERGENCY SERVICE PERSONNEL REGARDING ALL TRAFFIC PATTERN ALTERATIONS.

NN) PROVIDE TWO (2) CHANGEABLE MESSAGE SIGNS FOR THE PROJECT, IN ADDITION TO THOSE REQUIRED IN THE ROADWAY STANDARD DRAWINGS AND ON THE DETOUR ROUTE SHEETS, FOR USE IN NOTIFYING MOTORISTS OF SPEED LIMIT REDUCTIONS, QUEUES, ACCIDENTS, RAMP/ LOOP CLOSURES OR OTHER ONGOING TRAFFIC OPERATIONS AS DIRECTED BY THE ENGINEER.

OO) PLACE TEMPORARY RAISED MARKERS OF PROPER COLOR AT 20' SPACING ALONG ALL EDGE LINES WITHIN I-85 MEDIAN CROSSOVERS.

PP) KEEP RECORD OF EXISTING PAVEMENT MARKINGS AND MARKERS ON I-85 PRIOR TO TRAFFIC SHIFTS TO TWO-LANE, TWO-WAY TRAFFIC PATTERN (ONCE TRAFFIC SHOULD BE RETURNED BACK TO EXISTING PATTERNS DURING HOLIDAY TIME).

QQ) ADJUST SIGNAL TIMINGS AT SIGNALS ALONG THE DETOUR ROUTES AS NECESSARY, AS DIRECTED BY THE ENGINEER, TO ACCOMODATE ACTUAL VEHICLE TRAVEL PATTERNS.

RR) COORDINATE WITH VIRGINIA DOT USE OF VA-903 FOR OFF-SITE DETOUR AND PLACEMENT OF DETOUR SIGNS DURING -Y4- (US-1) BRIDGE REHABILITATION.

SS) ALL TRAFFIC CONTROL DEVICES AND ELEMENTS TO BE INSTALLED WITHIN VIRGINIA JURISDICTION ARE IN COMPLIANCE WITH VIRGINIA ROAD AND BRIDGE STANDARDS, ROAD AND BRIDGE SPECIFICATIONS, VIRGINIA SUPPLEMENT TO MUTCD, AND VIRGINIA WORK AREA PROTECTION MANUAL.

TT) ANY INTERFERENCE OF TRAFFIC ON I-85 WITHIN VIRGINIA JURISDICTION SHALL BE COORDINATED WITH VIRGINIA CENTRAL REGION TRAFFIC OPERATIONAL CENTER (TOC).

PLAN PREPARED IN THE OFFICE OF:
PROGRESSIVE DESIGN GROUP, INC.
ENGINEERS • CONSULTANTS

APPROVED: DocuSigned by: Tim Ary DATE: 12/16/2019

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 025465 ENGINEER TIM ARY

DIVISION OF HIGHWAYS • STATE OF NORTH CAROLINA • DEPARTMENT OF TRANSPORTATION • WORK ZONE TRAFFIC CONTROL

TRANSPORTATION OPERATIONS PLAN
GENERAL NOTES