

PROJ. REFERENCE NO.	SHEET NO.
HN-0031	TMP-2
<div><div><div>TGS</div><div>ENGINEERS</div></div><div><div>TGS ENGINEERS</div><div>706 HILLSBOROUGH ST., SUITE 200</div><div>RALEIGH, NC 27603</div><div>PH (819) 773-8887</div><div>CORP. LICENSE NO.: C-0275</div></div></div>	

- NOTES:
- FOR FLAGGING OPERATIONS, SEE RSD 1101.02.
 - MAINTAIN ACCESS TO ALL RESIDENCES, BUSINESS, AND EMERGENCY SERVICES.
 - CONDUCT OPERATIONS IN A MANNER THAT DOES NOT POND WATER.

PHASING

PHASE I

- STEP 1 — INSTALL ADVANCE WARNING SIGNS (SEE RSD 1101.01 AND TMP-4.) COVER SIGNS PERTAINING TO TEMPORARY PORTABLE SIGNAL.
- STEP 2 — USE FLAGGERS TO PERFORM THE FOLLOWING (SEE TMP-3):
- A. INSTALL PROPOSED DRAINAGE SYSTEM 401 THRU 405. STRUCTURES 402 AND 403 SHALL BE PRE-FABRICTERD, TRAFFIC BEARING AND INSTALLED TO A TEMPORARY ELEVATION. COVER WITH STEEL PLATE, BACKFILL, AND PAVE.
 - B. INSTALL PROPOSED DRAINAGE SYSTEM 406 THRU 408.
 - C. PAVE SHOULDERS FROM -L- STA. 12+75 +/- TO -L- STA. 14+58+/- (LT) AND -L- STA. 12+75 +/- TO -L- STA. 14+25 +/- (RT) UP TO EDGE AND ELEVATION OF EXISTING PAVEMENT. PERFORM LEFT SIDE PAVING DURING NON-OPERATING HOURS OF CEDAR MOUNTAIN CAFÉ UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
 - D. INSTALL TEMPORARY PAVEMENT FROM EDGE AND ELEVATION OF EXISTING PAVEMENT FROM -L- STA. 14+58 +/- TO -Y- STA. 13+02 +/- AND FROM -Y- STA 12+75+/- TO -L- STA. 16+00 +/- TO ACCOMODATE UPCOMING PHASE II TRAFFIC PATTERN.
 - E. REMOVE AND PATCH EXISTING CONCRETE ISLAND UP TO EDGE AND ELEVATION OF EXISTING PAVEMENT.
- STEP 3 — MOBILIZE TEMPORARY PORTABLE SIGNAL SYSTEM FOR PHASE II PATTERN WITH HEADS COVERED (SEE SPECIAL PROVISION AND LOCAL NOTE 1).

PHASE II

- STEP 1 — USING FLAGGERS, INSTALL TEMPORARY PAVEMENT MARKINGS IN THE PHASE II PATTERN. UNCOVER SIGNAL WARNING SIGNS, ACTIVATE TEMPORARY SIGNAL AND SHIFT TRAFFIC TO THE PHASE II TRAFFIC PATTERN (SEE TMP-4).
- STEP 2 — USING FLAGGERS, INSTALL PCB (ANCHORED) AND CRASH CUSHIONS FROM -L- STA. 15+96+/- TO -L- STA. 16+87+/-.
- STEP 3 — BEHIND ANCHORED PCB,CONSTRUCT THE RIGHT-SIDE CULVERT EXTENSION.
- STEP 4 — AWAY FROM TRAFFIC AND USING FLAGGERS AS NECESSARY CONSTRUCT:
- A. RIGHT SIDE WIDENING CURB AND PAVED SHOULDER UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM -L- STA. 14+25 +/- TO -L- STA. 17+35 +/- . (SEE TMP-4).
 - B. SOUTHERN HALF OF CENTER ISLAND AND BOTH SPLITTER ISLANDS ON US 276.

PHASE III

- STEP 1 — USING FLAGGERS, REMOVE ANCHORED PCB.
- STEP 2 — USING FLAGGERS, INSTALL TEMPORARY PHASE III MARKINGS AND SHIFT TRAFFIC TO THE PHASE III PATTERN (SEE TMP-5).
- STEP 3 — USING FLAGGERS, RESET ANCHORED PCB TO -L- STA. 16+04 +/- TO -L- STA. 16+95 +/- (SEE TMP-5).
- STEP 4 — BEHIND ANCHORED PCB,CONSTRUCT THE LEFT-SIDE CULVERT EXTENSION.
- STEP 5 — AWAY FROM TRAFFIC AND USING FLAGGERS AS NECESSARY, CONSTRUCT THE FOLLOWING (SEE TMP-5):
- A. COMPLETE AND MAKE FUNCTIONAL DRAINAGE STRUCTURE 403.
 - B. REMOVE TEMPORARY PAVEMENT AND CONSTRUCT CURB AND SHOULDER PAVING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COUSE FROM -Y-STA. 12+40 +/- TO -L- STA. 16+60+/-.
 - C. CONSTRUCT NE QUADRANT OF CENTER ISLAND AND SPLITTER ISLAND ON CASCADE LAKE RD.

PHASE IV

- STEP 1 — USING FLAGGERS, REMOVE ANCHORED PCB.
- STEP 2 — USING FLAGGERS, INSTALL TEMPORARY PHASE IV MARKINGS AND SHIFT TRAFFIC TO THE PHASE IV PATTERN (SEE TMP-6).
- STEP 3 – AWAY FROM TRAFFIC AND USING FLAGGERS AS NECESSARY, CONSTRUCT THE FOLLOWING (SEE TMP-6):
- A. COMPLETE AND MAKE FUNCTIONAL DRAINAGE STRUCTURE 402.
 - B. REMOVE TEMPORARY PAVEMENT AND CONSTRUCT CURB AND SHOULDER PAVING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COUSE FROM -Y-STA. 12+25 +/- TO – L- STA. 14+58+/-.
 - C. CONSTRUCT NW QUADRANT OF CENTER ISLAND.
- STEP 4 — INSTALL AND COVER PROPOSED SIGNING FOR ROUNDABOUT PATTERN (SEE SIGNING PLAN).

PHASE V

- STEP 1 -- WORK IN A CONTINUOUS MANNER TO COMPLETE THE FOLLOWING IN A SINGLE WORK PERIOD:
- A. COVER OR REMOVE SIGNAL WARNING SIGNS AND REMOVE TEMPORARY PORTABLE SIGNAL SYSTEM.
 - B. USING FLAGGERS AND RSD 1101.02, SHEET 18, INSTALL TEMPORARY PAINT MARKINGS IN THE FINAL PATTERN (SEE FINAL PMP).
 - C. UNCOVER PROPOSED SIGNING AND SHIFT TRAFFIC INTO THE FINAL PATTERN.
- STEP 2 — USING FLAGGERS AND RSD 1101.02, SHEET 18, COMPLETE PAVING AND INSTALL FINAL PAVEMENT MARKINGS (SEE FINAL PMP).
- STEP 3 – REMOVE ALL TRAFFIC CONTROL DEVICES.

3/9/2026
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User:jjlaplante

APPROVED:

Signed by

Don A. Parker

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DATE: 4/22/2026

NORTH CAROLINA

PROFESSIONAL

SEAL

043251

ENGINEER

DON A. PARKER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

DIVISION OF HIGHWAYS

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

WORK ZONE TRAFFIC CONTROL

PHASING