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GENERAL TRAFFIC CONTROL NOTES:

ADAPT THE TRAFFIC CONTROL PLANS, WHEN DIRECTED BY THE ENGINEER TO MEET FIELD CONDITIONS TO PROVIDE SAFE AND EFFICIENT TRAFFIC MOVEMENT. CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARDS DETAILS AND ROADWAY DETAILS ARE NOT ATTAINABLE, OR RESULT IN DUPLICATE OR UNDESIRABLE OVERLAPPING OF DEVICES. MODIFICATIONS MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING OR REMOVAL OF DEVICES.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED ON THE PLAN, OR DIRECTED BY THE ENGINEER. ENGINEER REFERS TO THE NCDOT DIVISION 5, DISTRICT 1 ENGINEER IN WAKE COUNTY.

I - TIME RESTRICTIONS

A. DO NOT CLOSE OR NARROW TRAVEL LANES DURING PEAK TRAFFIC HOURS AS FOLLOWS:

WACKENA ROAD: MONDAY - FRIDAY
 6:00 AM-9:00 AM
 4:00 PM-7:00 PM

B. DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

HOLIDAY

- FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 P.M. DECEMBER 31ST TO 8:00 A.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A SATURDAY OR A SUNDAY, THEN UNTIL 8:00 A.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 6:00 P.M. THURSDAY AND 8:00 A.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 P.M. FRIDAY TO 8:00 A.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 P.M. THE DAY BEFORE INDEPENDENCE DAY AND 8:00 A.M. THE DAY AFTER INDEPENDENCE DAY. IF INDEPENDENCE DAY IS ON A SATURDAY OR SUNDAY, THEN BETWEEN THE HOURS OF 6:00 P.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 8:00 A.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 P.M. FRIDAY TO 8:00 A.M. TUESDAY.
- FOR THANKSGIVING, BETWEEN THE HOURS OF 6:00 P.M. TUESDAY TO 8:00 A.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 P.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 8:00 A.M. THE FOLLOWING MONDAY AFTER THE WEEK OF CHRISTMAS.

II - LANE AND SHOULDER CLOSURE REQUIREMENTS

- TRAFFIC CONTROL DEVICES SHALL BE SET UP PRIOR TO THE START OF CONSTRUCTION OPERATIONS AND SHALL BE REMOVED OR RELOCATED AS THE WORK IS FINISHED OR WORK CONDITIONS CHANGE. THE CONTRACTOR SHALL PATROL THE WORK SITE AS REQUIRED TO ENSURE THAT ALL TRAFFIC CONTROL DEVICES ARE IN PLACE AND OPERATING AT ALL TIMES.
- REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
- WHEN NOT IN USE DURING WORK HOURS OR AT NIGHT, EQUIPMENT SHALL NOT BE PARKED IN SUCH A MANNER AS TO BLOCK THE MOTORS' VIEW OF TRAFFIC SIGNS AND SIGNALS AND AT LEAST 10 FEET AWAY FROM THE TRAVEL LANE.
- THE MINIMUM WIDTH FOR TEMPORARY TRAVEL LANE IS 11 FEET; HOWEVER A 12 FOOT LANE IS ADVISABLE AND SHOULD BE PROVIDED WHENEVER POSSIBLE.
- WHENEVER TRAFFIC MUST BE ROUTED ACROSS THE CENTERLINE, THE TWO DIRECTION MUST BE PHYSICALLY SEPARATED. TRAFFIC CONES CAN BE USED FOR THIS PURPOSED DURING DAYLIGHT HOURS; REFLECTORIZED DRUMS MUST BE USED AT NIGHT.
- TRAFFIC SHALL NOT BE ROUTED ACROSS CENTERLINE WITH CONES OR DRUMS DURING NON-WORKING HOURS. CONTRACTOR MUST BE ON-SITE OR CHANGE PAVEMENT MARKINGS APPROPRIATELY.
- THE CONTRACTOR SHALL PROVIDED FLAGGERS AND/OR POLICE CONTROL WHEN REQUIRED.
- EVERY ATTEMPT SHALL BE MADE TO SCHEDULE AND EXPEDITE THE WORK TO CAUSE THE LEAST INCONVENIENCE TO THE TRAVELING PUBLIC.
- THE ENGINEER OR THEIR REPRESENTATIVES ARE AUTHORIZED TO STOP ANY CONSTRUCTION OR MAINTENANCE ACTIVITY WHICH IS NOT PROPERLY SIGNED OR BARRICADED AS REQUIRED BY THIS STANDARD AND THE MUTCD UNTIL SUCH REQUIREMENTS ARE MET.
- WHEN PERSONAL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5' OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING 1101.02 UNLESS THE WORK AREA IS PROTECTED BY A BARRIER OR GUARDRAIL.
- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OR AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE PER THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- DO NOT SIMULTANEOUSLY WORK ON BOTH SIDES OF AN OPEN TRAVEL WAY, WITHIN THE SAME LOCATION, ON A TWO-LANE, TWO-WAY ROAD.
- DO NOT PERFORM WORK INVOLVING HEAVY EQUIPMENT WITHIN 15' OF THE EDGE OF TRAVEL WAY WHEN WORK IS BEING PERFORMED BEHIND A LANE CLOSURE ON THE OPPOSITE SIDE OF THE TRAVEL WAY.

III - PAVEMENT EDGE DROP OFF REQUIREMENTS

A. BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS A DROP-OFF AS FOLLOWS:
 BACKFILL DROP-OFFS THAT EXCEED 2" ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.
 BACKFILL DROP-OFFS THAT EXCEED 3" ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.
 BACKFILL WITH ABC OR SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER.

B. DO NOT EXCEED A DIFFERENCE OF 1.5" IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 50' IN ADVANCE AND A MINIMUM OF ONCE EVERY MILE THROUGHOUT THE UNEVEN AREA.

IV - TRAFFIC PATTERN ALTERATIONS

A. NOTIFY THE ENGINEER 21 CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

V - SIGNING

A. ALL TRAFFIC SIGNS FOR THE WORK AREA SHALL BE REFLECTORIZED. THE REFLECTIVE MATERIALS USED SHALL BE EQUAL OR BETTER THAN TYPE I, LEVEL A REFLECTIVE SHEETING.
 B. INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 10' FROM THE EDGE OF A TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

C. OPERATIONAL SIGNS CAN BE MOUNTED ON PORTABLE SUPPORTS. THESE ARE USUALLY USED FOR SHORT TERM OPERATIONS TO WARN AND GUIDE TRAFFIC. ADVANCE WARNING SIGNS SHALL BE MOUNTED ON STATIONARY SUPPORTS.

VI - TRAFFIC CONTROL DEVICES

- AT NIGHT, ADEQUATE BARRICADES WITH REFLECTORIZED MATERIAL AND LIGHTS ARE REQUIRED TO CALL ATTENTION TO AND TO INCLUDE THE ACTUAL LOCATION OF OBSTRUCTIONS AND HAZARDS.
- WHEN USING ROADWAY STANDARD 1101.02, CONES MAY BE USED IN LIEU OF DRUMS.
- SPACE CHANNELIZING DEVICES IN WORK AREAS IN FEET TO 2/3RDS THE POSTED SPEED LIMIT (MPH), EXCEPT 10' ON CENTER IN RADII, 2' OFF THE EDGE OF AN OPEN TRAVEL WAY, WHEN LANE CLOSURES ARE NOT IN EFFECT.
- PLACE TYPE III BARRICADES WITH "ROAD CLOSED" SIGN R11-2 ATTACHED OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY. STAGGER OR OVERLAP BARRICADES TO ALLOW FOR INGRESS OR EGRESS.
- PLACE SETS OF THREE DRUMS PERPENDICULAR TO THE EDGE OF TRAVEL WAY 100' ON CENTER WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC. THESE DRUMS SHALL BE IN ADDITION TO CHANNELIZING DEVICES.
- ALL DRUMS SHALL BE BALLASTED IN SUCH A MANNER THAT THEY WILL BE STABLE UNDER WIND AND VEHICLE ACTION. BALLASTING SHALL BE DONE WITH SANDBAGS OR OTHER YIELDING MATERIAL SITUATED IN THE BASE OF THE DRUM.

VII - PAVEMENT MARKINGS

- INSTALL THERMOPLASTIC PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS: WACKENA ROAD
 B. TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
 C. REPLACE ANY PAVEMENT MARKINGS THAT HAVE BEEN OBLITERATED BY THE END OF EACH DAY'S OPERATION.

VIII - MISCELLANEOUS



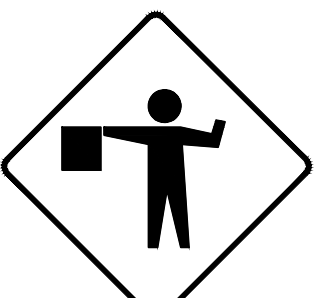

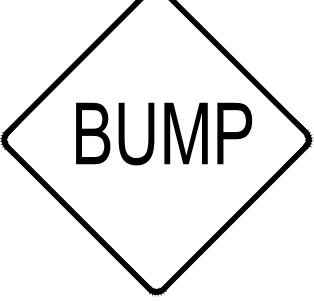
- CONTRACTOR SHALL BEGIN LANE CLOSURE BY STARTING UPSTREAM WITH RESPECT TO TRAFFIC FLOW AND PROCEEDING DOWNSTREAM WHILE PLACING TEMPORARY TRAFFIC CONTROL MEASURES AS SHOWN.
- CONTRACTOR SHALL RE-OPEN LANE OF TRAVEL BY STARTING DOWNSTREAM WITH RESPECT TO TRAFFIC FLOW AND PROCEEDING UPSTREAM WHILE REMOVING OR DISABLING TEMPORARY TRAFFIC CONTROL MEASURES.
- ANY EXCAVATION WITHIN A 1:1 SLOPE OF TRAVEL WAY WILL REQUIRE SHORING. WHEN TEMPORARY SHORING IS NOT BEING USED DURING EXCAVATIONS, A 1:1 SLOPE IS TO BE USED.

SUGGESTED CONSTRUCTION PHASING:

PHASE 1 CLOSE WEST BOUND TRAFFIC LANE TO

* PHASING SHOWN ALLOWS STORM DRAINAGE & WATERMAIN INSTALLATION TO BE INDEPENDANT OF EACH OTHER TO AVOID LONG LENGTHS OF ROAD CLOSURE/FLAGGING AND FLEXIBILITY IN CONSTRUCTION SCHEDULE.

TRAFFIC SIGNS:

	W20-4 (48"x48")
	W3-4 (48"x48")
	W20-7A (48"x48")
	W20-1F (48"x48")
	W8-1 (48"x48")

SCOPE OF TRAFFIC CONTROL:

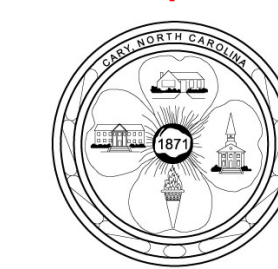
TRAFFIC CONTROL PLANS FOR WIDENING OF WACKENA ROAD. CONTRACTOR IS RESPONSIBLE FOR COORDINATING TRAFFIC CONTROL WITH NCDOT AND TOWN OF CARY FOR OVERLAY AND WIDENING OF WACKENA ROAD DURING CONSTRUCTION. AT NO POINT SHALL WACKENA ROAD BE CLOSED TO THRU TRAFFIC.

ROADWAY STANDARD DRAWINGS:

THE FOLLOWING ROADWAY STANDARDS APPEAR IN "ROADWAY STANDARD DRAWINGS - DIVISION 11 WORK ZONE TRAFFIC CONTROL" - ROADWAY DESIGN UNIT - N.C. DEPT. OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2012. THEY ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

NCDOT STD.	DRAWING TITLE
1101.02	TEMPORARY LANE CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.02	PORTABLE WORK ZONE SIGNS
1130.01	DRUMS
1135.01	CONES
1150.01	FLAGGING DEVICES

**APPROVED by the Town of Cary
 Development Review Committee**



By: Kevin A. Hales
 08/09/2018

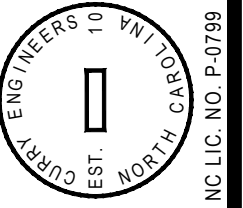
SEAL



TOWN OF CARY SIGNATURE SET

**WELLFIELD DEVELOPMENT PLAN (#17-DP-0905)
 TRAFFIC CONTROL NOTES**

201 S. Eagle Avenue
 Cary, NC 27513
 P: (919) 622-8849
 F: (919) 622-2843



**Curry
 ENGINEERING**

TCP-01

REV	DATE	DESCRIPTION
A	07/27/2017	TOWN OF CARY COMMENTS
B	10/02/2017	TOWN OF CARY COMMENTS
C	09/05/2018	TOWN OF CARY COMMENTS
D	08/15/2018	TOWN OF CARY COMMENTS
E	07/23/2018	TOWN OF CARY COMMENTS
F	07/23/2018	TOWN OF CARY COMMENTS

DATE: 2018/08/09
 FILE NO: 2016-064
 HOOR SCALE: NIS
 SHEET SIZE: 24x36