



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

February 17, 2017

Addendum No. 2

RE: Contract # C203929

WBS # 53008.3.1

FA # NHPP-0040(028)

Davie County (I-5765)

I-40 FROM 0.5 MILES WEST OF US-601 TO 1.2 MILES EAST OF SR-1410 (FARMINGTON ROAD).

February 21, 2017 Letting

To Whom It May Concern:

Reference is made to the plans and proposal form furnished to you on this project.

The following revisions have been made to the plans:

Sheet No.	Revisions
TMP-2	Revised General Note "J" to allow more than one lane closure in one direction and to require a minimum of two miles between lane closures
TMP-3	Revised note in upper left corner to allow work in multiple segments simultaneously

Please void sheet Nos. TMP-2 and TMP-3 in your plans and staple the revised sheet thereto.

The following revisions have been made to the proposal:

Page No.	Revisions
Proposal Cover	Note added that reads "Includes Addendum No. 1 Dated 2-17-17"
Table of Contents	Revised to reflect the addition below of bonus clauses
G-1	Revised the project special provision entitled Intermediate Contract Time Number 1 and Liquidated Damages to add a "Bonus Clause". Adding this language caused a shift of the whole "G" section accordingly.

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
CONTRACT STANDARDS AND DEVELOPMENT
1591 MAIL SERVICE CENTER
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1020 BIRCH RIDGE DR.
RALEIGH, NC 27610

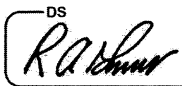
Website: www.ncdot.gov

Page No.	Revisions
G-3	Revised the project special provision entitled Intermediate Contract Time Number 3 and Liquidated Damages to add a "Bonus Clause". Adding this language caused a shift of the whole "G" section accordingly.

Please void the Proposal Cover, Page No. G-1 and Page No. G-3 in your proposal and replace with the revised pages.

The contract will be prepared accordingly.

Sincerely,



R. A. Garriss, PE
Contract Officer

RAG/jag

cc: Mr. Lamar Sylvester, PE Mr. Pat Ivey, PE Mr. Rodger Rochelle, PE Mr. R.E. Davenport, PE Mr. Ken Kennedy, PE Ms. Jaci Kincaid Project File (2)	Mr. Ray Arnold, PE Ms. Theresa Canales, PE Ms. Marsha Sample Mr. Mike Gwyn Ms. Penny Higgins Ms. Lori Strickland Mr. Mitchell Dixon
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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH, N.C.

PROPOSAL

INCLUDES ADDENDUM No. 2 DATED 02-17-17
INCLUDES ADDENDUM No. 1 DATED 2-13-17

DATE AND TIME OF BID OPENING: **FEBRUARY 21, 2017 AT 2:00 PM**

CONTRACT ID C203929
WBS 53008.3.1

FEDERAL-AID NO. NHPP-0040(028)

COUNTY DAVIE

T.I.P. NO. I-5765

MILES 6.357

ROUTE NO. I 40

LOCATION I-40 FROM 0.5 MILES WEST OF US-601 TO 1.2 MILES EAST OF
SR-1410 (FARMINGTON ROAD).

TYPE OF WORK PAVEMENT AND BRIDGE REHABILITATION, GUARDRAIL, GRADING.

NOTICE:

ALL BIDDERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE BIDDER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. BIDDERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA. NOTWITHSTANDING THESE LIMITATIONS ON BIDDING, THE BIDDER WHO IS AWARDED ANY FEDERAL - AID FUNDED PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF BID OPENING.

BIDS WILL BE RECEIVED AS SHOWN BELOW:

THIS IS A ROADWAY & STRUCTURE PROPOSAL

5% BID BOND OR BID DEPOSIT REQUIRED

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PROJECT SPECIAL PROVISIONS**GENERAL****CONTRACT TIME AND LIQUIDATED DAMAGES:**

(4-17-12)

108

SP1 G07 C

The date of availability for this contract is **April 3, 2017**.

The completion date for this contract is **March 30, 2019**.

Except where otherwise provided by the contract, observation periods required by the contract will not be a part of the work to be completed by the completion date and/or intermediate contract times stated in the contract. The acceptable completion of the observation periods that extend beyond the final completion date shall be a part of the work covered by the performance and payment bonds.

The liquidated damages for this contract are **Two Hundred Dollars (\$ 200.00)** per calendar day. These liquidated damages will not be cumulative with any liquidated damages which may become chargeable under Intermediate Contract Time Number 1.

INTERMEDIATE CONTRACT TIME NUMBER 1, BONUS CLAUSE AND LIQUIDATED DAMAGES:

(7-1-95) (Rev. 2-21-12)

108

SP1 G13 A

Except for that work required under the Project Special Provisions entitled *Planting, Reforestation* and/or *Permanent Vegetation Establishment*, included elsewhere in this proposal, the Contractor will be required to complete all work included in this contract and shall place and maintain traffic on same.

The date of availability for this intermediate contract time is **April 3, 2017**.

The completion date for this intermediate contract time is **October 1, 2018**.

The Department desires that this intermediate contract work be completed by this date and that the Contractor pursue the work with such labor, equipment and materials as necessary to ensure that the intermediate date will be met without regard to time extensions and time reliefs provided for in the Specifications. Therefore, as full compensation for all extra costs involved, the Department agrees to pay as a bonus, the sum of **One Hundred Fifty Thousand Dollars (\$ 150,000.00)** to the Contractor for satisfactorily completing this intermediate contract work on or prior to **October 1, 2018**. Should the Contractor fail to complete this intermediate contract work by this date, then normal time extension and time reliefs provided in the Specifications will apply and no bonus will be allowed.

The liquidated damages for this intermediate contract time are **Four Thousand Dollars (\$ 4,000.00)** per calendar day.

8. For **Christmas**, between the hours of **12:00 PM** the Friday before the week of Christmas Day and **12:00 AM** the following Wednesday after the week of Christmas Day.

Holidays and holiday weekends shall include New Year's Day, Easter, Memorial Day, Independence Day, Labor Day, Thanksgiving, and Christmas. The Contractor shall schedule his work so that lane closures will not be required during these periods, unless otherwise directed by the Engineer.

The time of availability for this intermediate contract work shall be the time the Contractor begins to install all traffic control devices for lane closures according to the time restrictions listed herein.

The completion time for this intermediate contract work shall be the time the Contractor is required to complete the removal of all traffic control devices for lane closures according to the time restrictions stated above and place traffic in the existing traffic pattern.

The liquidated damages are **One Thousand Dollars (\$ 1,000.00)** per hour.

INTERMEDIATE CONTRACT TIME NUMBER 3, BONUS CLAUSE AND LIQUIDATED DAMAGES:

(6-18-13)

108

SP1 G14 L

The Contractor shall complete the work required of **Phase I, Step #1 through Phase IV, Step #3** as shown on Sheet **TMP-3** and shall place and maintain traffic on same.

The date of availability for this intermediate contract time is the **April 3, 2017**.

The completion date for this intermediate contract time is **August 15, 2017**.

The Department desires that this intermediate contract work be completed by this date and that the Contractor pursue the work with such labor, equipment and materials as necessary to ensure that the intermediate date will be met without regard to time extensions and time reliefs provided for in the Specifications. Therefore, as full compensation for all extra costs involved, the Department agrees to pay as a bonus, the sum of **Two Hundred Thousand Dollars (\$ 200,000.00)** to the Contractor for satisfactorily completing this intermediate contract work on or prior to **August 15, 2017**. Should the Contractor fail to complete this intermediate contract work by this date, then normal time extension and time reliefs provided in the Specifications will apply and no bonus will be allowed.

The liquidated damages are **Five Thousand Dollars (\$ 5,000.00)** per calendar day.

PERMANENT VEGETATION ESTABLISHMENT:

(2-16-12) (Rev. 10-15-13)

104

SP1 G16

Establish a permanent stand of the vegetation mixture shown in the contract. During the period between initial vegetation planting and final project acceptance, perform all work necessary to establish permanent vegetation on all erodible areas within the project limits, as well as, in borrow and waste pits. This work shall include erosion control device maintenance and

GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRABLE OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

TIME RESTRICTIONS

A) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
I-40 AND ALL RAMPS	12:00PM (NOON) FRIDAY TO 12:00AM (MIDNIGHT) MONDAY (EXCEPT DURING CROSSOVER USE AND SEGMENT 3 WORK)

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

ROAD NAME

I-40 AND ALL RAMPS

HOLIDAY

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 12:00 P.M. DECEMBER 30TH TO 12:00 A.M. JANUARY 3RD. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 12:00 A.M. THE FOLLOWING WEDNESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 12:00 P.M. THURSDAY AND 12:00 A.M. TUESDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 12:00 P.M. FRIDAY TO 12:00 A.M. WEDNESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 12:00 P.M. THE DAY BEFORE INDEPENDENCE DAY AND 12:00 A.M. TWO DAYS AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 12:00 P.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 12:00 A.M. THE WEDNESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 12:00 P.M. FRIDAY AND 12:00 A.M. WEDNESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 12:00 P.M. TUESDAY TO 12:00 A.M. TUESDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 12:00 P.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 12:00 A.M. THE FOLLOWING WEDNESDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
I-40 AND ALL RAMPS	MONDAY-SUNDAY 5:00AM - 12:00AM	15 MINUTES/TRAFFIC SHIFTS

D) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- E) 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.
- F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.

G) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

H) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO 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.

I) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

J) PROVIDE A MINIMUM OF 2 MILES BETWEEN LANE CLOSURES, MEASURED FROM THE END OF ONE CLOSURE TO THE FIRST SIGN OF THE NEXT LANE CLOSURE.

PAVEMENT EDGE DROP OFF REQUIREMENTS

K) 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 AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:

BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

L) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 1000 FT. IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

M) NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

N) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

O) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.

PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.

P) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.

COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.

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

R) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 1000 FT. IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC BARRIER

S) 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.

T) 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

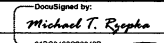
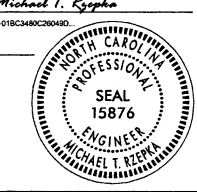
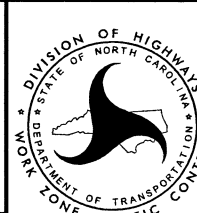
TRAFFIC CONTROL DEVICES

U) 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 RADIUS, 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.

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

W) 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.

2/16/2017 2:46:00 CAD_BIM6.2_Work_in_Progress\TrafficControl\TCP\I5765.tmp_top_2.dgn ICA Engineering

<p>APPROVED: </p> <p>DATE: 2/16/2017</p> <p>SEAL</p>			<p>TRANSPORTATION OPERATIONS PLAN</p>
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>			

PHASING



PROJ. REFERENCE NO.	SHEET NO.
I-5765	TMP-3

NOTES: - PROJECT IS DIVIDED INTO THREE SEGMENTS. WORK MAY BE PERFORMED SIMULTANEOUSLY IN MULTIPLE SEGMENTS. (SEE SHEET TMP-4 OVERVIEW)
 - 'RSD' REFERS TO NCDOT ROADWAY STANDARD DRAWINGS
 - UNLESS OTHERWISE NOTED, ALL TEMPORARY PAVEMENT MARKINGS WILL BE PAINT.

SEGMENT 1 WORK OCCUPIES PHASE I THROUGH PHASE IV (SEE SHEET TMP-5 OVERVIEW AND LOCAL NOTE 1)

PHASE I
(WORK ZONE "VARIABLE" SPEED LIMIT REDUCTION)
(SEE LOCAL NOTE 2)

COMPLETE THE WORK REQUIRED IN PHASE I, STEP 1 THROUGH PHASE IV, STEP 3 BY AUGUST 15, 2017.

STEP 1

INSTALL ADVANCED WORK ZONE WARNING SIGNS ON I-40 AND ALL RAMPS AT FARMINGTON ROAD INTERCHANGE ACCORDING TO RSD 1101.01 (SHEET 1 OF 3). PLACE ADDITIONAL CHANGEABLE MESSAGE SIGNS (CMS) ON I-40 IN ADVANCE OF THE WORK ZONE SIGNS, AS DIRECTED BY THE ENGINEER (SEE LOCAL NOTE 3).

NOTE: PHASE I, STEP 2 AND PHASE I, STEP 3 MAY BE PERFORMED IN ANY ORDER. EXTENDED WEEKDAY LANE CLOSURES MAY BEGIN MONDAY 12:00AM (MIDNIGHT) AND TRAFFIC MUST BE RETURNED TO FOUR-LANE/TWO-WAY PATTERN BY FRIDAY 12:00PM (NOON) (SEE SHEET TMP-2H FOR "VARIABLE" SPEED LIMIT REDUCTION SIGN ARRANGEMENT).

NOTE: RETURN I-40 EASTBOUND TRAFFIC TO TWO-LANE PATTERN BY 12:00 PM (NOON) EACH FRIDAY. REPEAT UNTIL PHASE I, STEP 2 IS COMPLETE (SEE SHEET TMP-6, DETAIL 3).

STEP 2

USING RSD 1101.02 (SHEET 4 OF 15), PLACE I-40 EASTBOUND TRAFFIC IN THE EXISTING MEDIAN LANE AND CLOSE OUTSIDE LANE.

BEHIND LANE CLOSURE, RECONSTRUCT I-40 EASTBOUND OUTSIDE SHOULDER FROM -L2- STA 153+40± TO STA 251+40± (SEE SHEET TMP-6, DETAIL 1). SEE SHEET TMP-7, DETAIL 9 FOR ADDITIONAL WIDTH FULL DEPTH PAVED SHOULDER ALONG RAMP D (SEE LOCAL NOTE 4).

BACKFILL OUTSIDE SHOULDER BY THE END OF EACH DAILY WORK PERIOD (SEE GENERAL NOTES 'K' & 'L').

NOTE: RETURN I-40 TRAFFIC TO FOUR-LANE/TWO-WAY PATTERN BY 12:00 PM (NOON) EACH FRIDAY. REPEAT UNTIL PHASE I, STEP 3 IS COMPLETE.

STEP 3

USING RSD 1101.02 (SHEET 4 OF 15), PLACE I-40 EASTBOUND AND WESTBOUND TRAFFIC IN THE EXISTING OUTSIDE LANES AND CLOSE MEDIAN LANES.

BEHIND LANE CLOSURES, CONSTRUCT MEDIAN CROSSOVERS -XOVER-C-, -XOVER-D-, -XOVER-E- & -XOVER-F- (SEE SHEET TMP-6, DETAIL 2 AND ROADWAY PLANS FOR LOCATIONS)(SEE LOCAL NOTE 5).

STEP 4

INSTALL AND COVER DETOUR SIGNS FOR PHASE II TRAFFIC PATTERN (SEE SHEETS TMP-2B, 2C & 2F).

NOTE: PERFORM PHASE II, STEP 1 THROUGH PHASE IV, STEP 2 USING SPEED LIMIT REDUCTION SIGN ARRANGEMENT ON SHEET TMP-2G.

PHASE II
(WORK ZONE SPEED LIMIT REDUCTION)

STEP 1

USING RSD 1101.02 (SHEETS 4, 9 & 10 OF 15), COMPLETE THE FOLLOWING IN A CONTINUOUS MANNER TO PLACE I-40 TRAFFIC IN A TWO-LANE/TWO-WAY (DIVIDED BY PCB) PATTERN IN THE EASTBOUND LANES (SEE SHEETS TMP-6, DETAIL 4 & TMP-7, DETAIL 9 AND LOCAL NOTES 6 & 7):

- REMOVE CONFLICTING EDGELINE AND PLACE TEMPORARY EDGELINES AND SHIFT EASTBOUND TRAFFIC TO TEMPORARY ONE-LANE PATTERN ON OUTSIDE SHOULDER.
- INSTALL PORTABLE CONCRETE BARRIER (PCB). RELAP EXISTING GUARDRAIL IN THE MEDIAN FOR WESTBOUND TRAFFIC.
- PLACE TEMPORARY EDGELINES ON CROSSOVERS -XOVER-C- AND -XOVER-F-.
- USING RSD 1101.03 (SHEET 4 OF 9), SHIFT WESTBOUND TRAFFIC TO TEMPORARY ONE-LANE PATTERN ON CROSSOVERS AND IN EXISTING EASTBOUND MEDIAN LANE. CLOSE WESTBOUND LANES.
- CLOSE WESTBOUND EXIT AND ENTRANCE RAMPS AT FARMINGTON ROAD INTERCHANGE. UNCOVER DETOUR SIGNS, INSTALLED IN PHASE I, STEP 4, AND DETOUR RAMP TRAFFIC USING OFFSITE DETOURS (SEE SHEETS TMP-2B & 2C).

STEP 2

AWAY FROM TRAFFIC, COMPLETE THE FOLLOWING FOR I-40 WESTBOUND LANES FROM -L2- STA 153+40± TO STA 251+40± (SEE ROADWAY AND STRUCTURE PLANS) (SEE SHEET TMP-6, DETAIL 4 AND LOCAL NOTES 4, 6 & 7):

- RECONSTRUCT OUTSIDE SHOULDER (STA 153+40± TO STA 251+40±)
- CONSTRUCT 10' PAVED MEDIAN SHOULDER. SEE SHEET TMP-7, DETAIL 8 FOR ADDITIONAL WIDTH FULL DEPTH PAVED SHOULDER ALONG RAMP B.
- REPLACE CONCRETE SLABS
- REHABILITATE BRIDGES #62 AND #75
- RESURFACE PAVEMENT UP TO, BUT NOT INCLUDING, THE FINAL LAYER OF SURFACE COURSE
- REPLACE/INSTALL GUARDRAIL. TEMPORARILY LAP MEDIAN GUARDRAIL FOR EASTBOUND TRAFFIC IN PHASE III.
- PLACE TEMPORARY PAVEMENT MARKINGS FOR PHASE III TWO-LANE/TWO-WAY DIVIDED TRAFFIC PATTERN

STEP 3

INSTALL AND COVER DETOUR SIGNS FOR PHASE III TRAFFIC PATTERN (SEE SHEETS TMP-2D, 2E & 2F).

PHASE III
(WORK ZONE SPEED LIMIT REDUCTION)

STEP 1

USING RSD 1101.02 (SHEET 4 OF 15), MAINTAIN I-40 TRAFFIC IN SINGLE LANE PATTERNS IN EACH DIRECTION AND COMPLETE THE FOLLOWING IN A CONTINUOUS MANNER (SEE SHEETS TMP-6, DETAIL 5 & TMP-7, DETAIL 8):

- SHIFT I-40 WESTBOUND TRAFFIC TO TEMPORARY ONE-LANE PATTERN ON WESTBOUND OUTSIDE SHOULDER AND TIE TEMPORARY MARKINGS TO EXISTING. COVER/REMOVE DETOUR SIGNS, INSTALLED IN PHASE I, STEP 4, AND REOPEN WESTBOUND ENTRANCE AND EXIT RAMPS AT FARMINGTON ROAD INTERCHANGE.
- RESET PCB FROM EASTBOUND I-40 SIDE TO WESTBOUND I-40 SIDE.
- PLACE TEMPORARY EDGELINES ON CROSSOVERS -XOVER-D- AND -XOVER-E-.
- USING RSD 1101.03 (SHEET 4 OF 9), SHIFT EASTBOUND TRAFFIC TO TEMPORARY ONE-LANE PATTERN ON CROSSOVERS AND IN EXISTING WESTBOUND MEDIAN LANE. CLOSE EASTBOUND LANES.
- CLOSE EASTBOUND EXIT AND ENTRANCE RAMPS AT FARMINGTON ROAD INTERCHANGE. UNCOVER DETOUR SIGNS, INSTALLED IN PHASE II, STEP 3, AND DETOUR RAMP TRAFFIC USING OFFSITE DETOURS (SEE SHEETS TMP-2D & 2E).

STEP 2

AWAY FROM TRAFFIC, COMPLETE THE FOLLOWING FOR I-40 EASTBOUND LANES FROM -L2- STA 153+40± TO STA 251+40± (SEE ROADWAY AND STRUCTURE PLANS) (SEE SHEET TMP-6, DETAIL 3 AND SEE LOCAL NOTES 4, 6 & 7):

- CONSTRUCT 10' PAVED MEDIAN SHOULDER
- REPLACE CONCRETE SLABS
- REHABILITATE BRIDGES #61 AND #74
- REPLACE/INSTALL GUARDRAIL
- RESURFACE PAVEMENT UP TO, BUT NOT INCLUDING, THE FINAL LAYER OF SURFACE COURSE.
- PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS FOR PHASE IV TRAFFIC PATTERN.

PHASE IV
(WORK ZONE SPEED LIMIT REDUCTION)

NOTE: PHASE IV, STEP 1 AND STEP 2 WORK MAY BE COMBINED WHERE POSSIBLE.

STEP 1

USING RSD 1101.02 (SHEET 4 OF 15), COMPLETE THE FOLLOWING FOR I-40 EASTBOUND TRAFFIC (SEE SHEET TMP-6, DETAIL 6):

- SHIFT I-40 EASTBOUND TRAFFIC TO EASTBOUND LANES AND TIE TEMPORARY MARKINGS TO EXISTING LANE MARKINGS
- OPEN I-40 EASTBOUND LANES TO EXISTING PATTERN
- COVER/REMOVE DETOUR SIGNS, INSTALLED IN PHASE II, STEP 3, AND REOPEN EASTBOUND ENTRANCE AND EXIT RAMPS AT FARMINGTON ROAD INTERCHANGE

STEP 2

USING RSD 1101.02 (SHEETS 4, 9 & 10 OF 15), COMPLETE THE FOLLOWING FOR I-40 WESTBOUND TRAFFIC (SEE SHEET TMP-6, DETAILS 6 THRU 9 AND LOCAL NOTE 6):

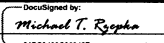
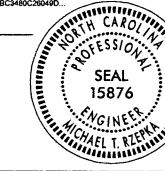
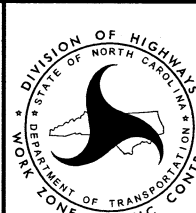
- RELAP MEDIAN GUARDRAIL AND REMOVE PCB
- REMOVE CONFLICTING PAVEMENT MARKINGS AND PLACE TEMPORARY MARKINGS AND MARKERS IN EXISTING PATTERN IN WESTBOUND LANES
- SHIFT WESTBOUND TRAFFIC TO EXISTING PATTERN.

NOTE: PERFORM PHASE IV, STEP 3 WORK DURING EXTENDED WEEKDAY LANE CLOSURES BEGINNING MONDAY 12:00AM (MIDNIGHT). TRAFFIC MUST BE RETURNED TO FOUR-LANE/TWO-WAY PATTERN BY FRIDAY 12:00PM (NOON) (SEE SHEET TMP-6, DETAIL 9) (SEE SHEET TMP-2H FOR "VARIABLE" SPEED LIMIT REDUCTION SIGN ARRANGEMENT).

STEP 3

USING RSD 1101.02 (SHEET 4 OF 15), REMOVE CROSSOVERS -XOVER-E- & -XOVER-F-. INSTALL/RESET MEDIAN CABLE GUIDERAIL AT CROSSOVER LOCATIONS.

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APPROVED:  DATE: 2/16/2017 		<h2>PHASING</h2>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		