PROJ. REFERENCE NO.	SHEET NO.
I-5508	TMP-1B

MANAGEMENT STRATEGIES

~~CONSTRUCTION~~

SLOPE STABLIZATION TO THE RIGHT OF THE I-40 WESTBOUND LANES JUST WEST OF EXIT 7. WORK INCLUDES STABILIZING A SECTION OF AN EXISTING ROCK CUT SECTION, NEW WIDENING TO THE SOUTH OF THE EASTBOUND LANES THAT WILL REMAIN FOLLOWING PROJECT COMPLETION FOR FUTURE USE SHOULD FUTURE STABLIZATION BE NECESSARY, MINOR DRAINAGE MODIFICATIONS, MILLING AND RESURFACING OF EASTBOUND AND WESTBOUND LANES THAT ARE DISTURBED DURING CONSTRUCTION.

~~TMP DESIGN PARAMETERS~~

FOUR CHANGEABLE MESSAGE SIGNS WILL BE UTILIZED, ONE AT THE EACH END OF PROJECT AND THE OTHER TWO USED DURING LANE CLOSURES.

A SPEED LIMIT REDUCTION WITH $250 PENALTY IS REQUIRED FOR THIS PROJECT AND WILL BE EXTENDED TO INCLUDE AN ADJACENT PROJECT (I-5512) WHICH WILL BE ONGOING AT THE EAST AND WEST ENDS OF THIS PROJECT. THE EXISTING POSTED SPEED LIMITS ARE 55 MPH FOR CARS AND 50 MPH FOR TRUCKS. THE POSTED SPEED LIMIT DURING CONSTRUCTION WILL BE 45 MPH FOR BOTH CARS AND TRUCKS. ADVISORY SPEED OF 35 MPH WILL BE UTILIZED FOR TEMPORARY SHIFTS.

THE I-40 EXIT 7 WESTBOUND EXIT RAMP WILL BE CLOSED TO THE PUBLIC DURING CONSTRUCTION AND TRAFFIC DETOURED EASTWARD TO EXIT 15 AND BACK TO I-40 WEST. THE CONTRACTOR WILL UTILIZE THE CLOSED ENTRANCE RAMP SPACE FOR CONSTRUCTION.

A LARGE VOLUME OF ROCK WASTE WILL BE TRUCKED BY THE CONTRACTOR TO A CONTRACTOR SELECTED LOCATION(S).

A TWO LANE ONSITE DETOUR WILL BE CONSTRUCTED ON THE SOUTH SIDE OF I-40 AND TRAFFIC FOR BOTH DIRECTIONS WILL BE SHIFTED SOUTHWARD WITH THE EASTBOUND TRAVEL LANES UTILIZING THE NEW WIDENING AND THE WESTBOUND LANES TO UTILIZE THE EXISTING EASTBOUND LANES SEPARATED BY PORTABLE CONCRETE BARRIER MEDIAN WITH A GLARE SCREEN.

THE SUPERELEVATION OF THE SOUTH SIDE SHOULDER WILL BE MODIFIED UTILIZING LANE CLOSURES AND WATER FILLED BARRIER. IN ORDER TO MINIMIZE THIS ONE LANE EASTBOUND TRAFFIC PATTERN THIS CONSTRUCTION WILL BE REQUIRED DURING 9:00 PM MONDAY AND 5:00 AM SATURDAY OF ONE WEEK UTILIZING AN ICT.

THE TRAFFIC SHIFT REQUIRES THE EXISTING CONCRETE MEDIAN BARRIER TO BE CUT AT TWO LOCATIONS. IN ORDER TO ALLOW SPACE FOR CONSTRUCTION ACTIVITIES THE TRAFFIC WILL BE SHIFTED TO THE OUTSIDE IN ONE LANE EASTBOUND AND WESTBOUND PATTERNS WITH CONSTRUCTION OCCURING BEHIND WATER FILLED BARRIER. FOLLOWING THE ROCK SLOPE STABILIZATION WORK THE TRAFFIC WILL AGAIN BE SHIFTED TO THE OUTSIDE IN ONE LANE EASTBOUND AND WESTBOUND PATTERNS IN ORDER TO RECONSTRUCT THE "REMOVED" CONCRETE MEDIAN AT TWO LOCATIONS WITH THE WORK OCCURING BEHIND WATER FILLED BARRIER. THE ONE LANE PATTERNS WILL BE LIMITED TO 21 CALENDAR DAYS EACH FOR REMOVING THE EXISTING BARRIER AND REPLACING THE BARRIER FOLLOWING ROCK SLOPE STABLIZATION WORK.

VARIOUS WORK ACTIVITIES REQUIRE TEMPORARY LANE CLOSURES PER ROADWAY STANDARD DRAWING 1101.02, SHEET 3 OF 15.

ROCK BLASTING WILL REQUIRE TRAFFIC BE STOPPED FOR 30 MINUTES MAXIMUM.

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 UNDESIRED 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.

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

ROAD NAME	DAY AND TIME RESTRICTIONS
I-40	MONDAY-SUNDAY: 6:00 AM TO 9:00 PM

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

ROAD NAME

I-40

HOLIDAY

1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATE UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 AM DECEMBER 31st TO 9:00 PM JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 9:00 PM THE FOLLOWING TUESDAY.
3. FOR EASTER, BETWEEN THE HOURS OF 6:00 AM THURSDAY AND 9:00 PM MONDAY.
4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 AM FRIDAY TO 9:00 PM TUESDAY.
5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 AM THE DAY BEFORE INDEPENDENCE DAY AND 9:00 PM THE DAY AFTER INDEPENDENCE DAY.

   IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN BETWEEN THE HOURS OF 6:00 AM THE THURSDAY BEFORE INDEPENDENCE DAY AND 9:00 PM THE TUESDAY AFTER INDEPENDENCE DAY.
6. FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 AM FRIDAY AND 9:00 PM TUESDAY.
7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 AM TUESDAY TO 9:00 PM MONDAY.
8. FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 AM THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 PM THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
9. FOR WEEKENDS DURING THE MONTH OF OCTOBER, BETWEEN THE HOURS OF 6:00 AM FRIDAY TO 9:00 PM MONDAY.

C) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
1. I-40	ANYTIME

D) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
1. I-40	MONDAY-SUNDAY 10:00 AM TO 30 MINUTES AFTER SUNRISE THE FOLLOWING DAY	30 MINUTES/ ROCK BLASTING

E) 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

F) 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.

G) 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.

H) 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.

I) 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.

J) 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.

K) DO NOT INSTALL MORE THAN ONE LANE CLOSURE, IN ANY ONE DIRECTION, ON I-40.

PAVEMENT EDGE DROP OFF REQUIREMENTS

L) 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 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.

M) 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) 500 FT IN ADVANCE AND A MINIMUM OF ONCE EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

APPROVED: DocuSigned by: J. W. Woolard, Jr. DATE: 12/5/2014

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 019862 ENGINEER J. W. WOOLARD, JR.

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

TRANSPORTATION OPERATIONS PLAN & GENERAL NOTES

12/4/2014
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User:kbroadwell