

WBS ELEMENT: _____
DIVISION: _____ COUNTY: _____
LETTING DATE: _____

EFF. 01-15-02
REV. 02-14-12

REVIEW LIST FOR FINAL RESURFACING PLANS
LET UNDER THE 2012 SPECIFICATIONS

PLACE "CHECK MARK" BY APPLICABLE ITEMS ON THIS REVIEW LIST
PLACE "NA" BY NON-APPLICABLE ITEMS ON THIS REVIEW LIST

MAPS

- _____ . DOES EACH SECTION DESCRIPTION AGREE WITH LIMITS SHOWN ON MAP?
- _____ . ARE ROUTE NUMBERS CORRECT ON PLAN SHEETS?
- _____ . IS MILEAGE FOR EACH SECTION SHOWN CORRECTLY?
- _____ . DO MAPS HAVE NORTH ARROWS, CITY AND COUNTY NAMES?
- _____ . PLACE MAPS ON 11" X 17" SHEETS.

TYPICAL SECTIONS

- _____ . DO TYPICAL SECTIONS REPRESENT THE INTENDED CONSTRUCTION?
(ie, ARE EXISTING DITCHES BEING MOVED, SHOULDERS ADDED, ETC.?)
- _____ . DOES PROPOSED RESURFACING PAVEMENT WIDTH OF EACH SECTION
AGREE WITH TYPICAL SECTIONS ?
- _____ . DOES "RESURFACING SCHEDULE" SHOW CORRECT MATERIAL TYPES AND
APPLICATION RATES?
- _____ . IF THERE IS SHOULDER CONSTRUCTION, A SHOULDER WIDTH SHOULD BE
SHOWN ON THE TYPICAL SECTION. SEE PROJECT SPECIAL PROVISIONS
(RESURFACING LINEUP SHEET) FOR MEASUREMENT AND PAYMENT OF
THIS ITEM.
- _____ . IF THERE IS MILLING, TYPICAL SECTIONS SHOULD INDICATE THIS.
IF A TYPICAL SECTION APPLIES EXCEPT FOR MILLING ON SOME OF
THE MAPS, INDICATE BY NOTE WHICH MAPS HAVE MILLING.
- _____ . LABEL SHOULDER RECONSTRUCTION AND/OR SHOULDER CONSTRUCTION
ON TYPICAL SECTIONS, IF APPLICABLE.

QUANTITIES

- _____ . ARE THE QUANTITIES FOR SURFACE COURSE, INTERMEDIATE COURSE, OR
BASE COURSE CORRECT WITH APPROPRIATE PERCENTAGE INCREASE (TO
ACCOUNT FOR MAILBOX TURNOUTS, DRIVES, ETC.) AS DIRECTED BY
DIVISION? IF QUANTITY APPEARS TO BE IN ERROR AND THERE ARE NO
ACCOMPANYING QUANTITY CALCULATIONS, CALL DIVISION AND
RESOLVE DISCREPANCY.
- _____ . IS ASPHALT BINDER FOR PLANT MIX QUANTITIES CORRECT?
ASPHALT BINDER FOR LEVELING COURSE SHOULD BE INCLUDED;

- HOWEVER, ASPHALT BINDER FOR PATCHING MATERIAL WILL NOT.
- _____ . DO PLANS, SPECIFICATIONS, AND ESTIMATES ADDRESS THE NUMBER OF NEW "WHEELCHAIR RAMPS" AND/OR "RETROFIT EXISTING WHEELCHAIR RAMPS" WITH TRUNCATED DOMES.
 - _____ . ARE ITEMS SUCH AS ADJUSTMENT OF MANHOLES, METER AND VALVE BOXES CORRECT ON SUMMARY OF QUANTITIES?
 - _____ . IS A QUANTITY OF ASPHALT SURFACE TREATMENT TO BE INCLUDED? IF SO, SEE PROJECT SPECIAL PROVISION CONCERNING MEASUREMENT AND PAY ITEMS. NOTE: ASPHALT BINDER FOR PLANT MIX IS NOT USED IN CONJUNCTION WITH AST.

DETAILS

- _____ . IS DETAIL OF BRIDGE HALF TYPICAL SECTION SHOWN ON PLANS, IF APPLICABLE?
- _____ . IS A DETAIL FOR PATCHING EXISTING PAVEMENT SHOWN ON PLANS, IF APPLICABLE?
- _____ . ARE ANY SPECIAL DETAILS SHOWN ON PLANS WHEN APPLICABLE?

ESTIMATE

- _____ . IF THERE IS WEDGING OF EXISTING PAVEMENT OR A LEVELING COURSE, QUANTITIES SHOULD BE SEPARATED FOR EACH TYPE: S9.5, S12.5, ETC. A SEPARATE PAY ITEM IS REQUIRED FOR EACH TYPE OF PAVING MATERIAL.
- _____ . ARE WBS ELEMENTS CORRECTLY SHOWN ON ESTIMATE?
- _____ . IS THE COUNTY NAME(S) SHOWN CORRECTLY?
- _____ . IS THE PAY ITEM NUMBER, SECTION NUMBER, AND ITEM DESCRIPTION CORRECT AND APPLICABLE?
- _____ . DO THE UNITS AND QUANTITIES CORRESPOND TO THOSE ON THE SUMMARY OF QUANTITIES?
- _____ . IS MILEAGE SHOWN CORRECTLY?
- _____ . IF PAVEMENT REPAIR IS REQUIRED, QUANTITY SHOULD BE IDENTIFIED AS "PATCHING EXISTING PAVEMENT", A SPECIAL PAY ITEM DISCUSSED IN THE PROJECT SPECIAL PROVISIONS.
- _____ . DESCRIPTION ON ESTIMATE SHOULD INDICATE ALL TYPES OF WORK INVOLVED; i.e. MILLING, RESURFACING, WIDENING, SHOULDER CONSTRUCTION, ETC. THE NUMBER OF SECONDARY AND PRIMARY ROADS SHOULD BE INDICATED. ALL PRIMARY ROADS SHOULD BE SPECIFICALLY IDENTIFIED BY ROUTE AND ALL "SR" ROADS SHALL BE IDENTIFIED AS SECONDARY ROADS (EXAMPLE: 2 SECTIONS OF US-64, 1 SECTION OF US-70, AND 20 SECTIONS OF SECONDARY ROADS). THE TOTAL NUMBER OF SECTIONS SHOULD EQUAL THE NUMBER OF MAPS.
- _____ . FORCE ACCOUNT ITEMS, SUCH AS PAINT STRIPING, SHOULD NOT BE ON THE ESTIMATE UNLESS PROJECT HAS A FEDERAL AID PROJECT NUMBER (IF APPLICABLE).
- _____ . COMPLETE THE COST BASED ESTIMATE QUANTITY BREAKDOWN

SUMMARY SHEET. STANDARD FORM IS ON WEB SITE LOCATION:
<http://www.ncdot.gov/doh/preconstruct/highway/roadway/manuals/>

GENERAL

- _____ . ARE THE WBS ELEMENTS CORRECTLY SHOWN ON ALL PLAN SHEETS? THEY SHOULD BE IN NUMERICAL ORDER BEGINNING WITH THE SMALLEST WBS ELEMENT. MAP NUMBERS SHOULD BEGIN IN CONJUNCTION WITH SMALLEST WBS ELEMENT AND CONTINUE IN AN ASCENDING ORDER.
- _____ . DOES PROJECT HAVE SEEDING AND MULCHING? IF SO, A SPECIAL PROVISION (FOR THE MIX) FROM ROADSIDE ENVIRONMENTAL UNIT SHOULD BE INCLUDED IN THE PACKAGE.
- _____ . IF THERE IS A REVISION OR ADDITION TO ANY QUANTITY, INFORM THE CONTRACT OFFICE OF CHANGE. IF THERE IS A CHANGE IN THE NUMBER OF PRIMARY OR SECONDARY SECTIONS, INFORM THE CONTRACT OFFICE.
- _____ . FIRST SHEET OF PLANS SHOULD SHOW COUNTY NAME.
- _____ . DO NOT SHOW PAVEMENT CONDITION RATING ON SUMMARY OF QUANTITIES.
- _____ . PLEASE PLACE A COPY OF ANY CORRESPONDENCE FROM ANY DESIGN UNIT (i.e., TRAFFIC, PAVEMENT MANAGEMENT, GEOTECH, ETC.) IN WITH THE RESURFACING PACKAGE DOCUMENTATION. EXAMPLES OF CORRESPONDENCE ARE GEOTECHNICAL RECOMMENDATIONS, PAVEMENT RECOMMENDATIONS AND SPECIAL DETAILS.
- _____ . ALL PLAN SHEETS SHOULD INCLUDE A REFERENCE FOR SHEET NUMBERS (SHEET __ OF __) OR A TITLE BLOCK REFERENCING THE SHEET NUMBER AND TOTAL NUMBER OF SHEETS.
- _____ . PLEASE SUBMIT ELECTRONIC FILES (SUMMARY OF QUANTITIES, TYPICAL SECTIONS, RESURFACING PROGRAM FILE, ETC.) WITH THE RESURFACING PACKAGE.
- _____ . PLEASE INCLUDE A COPY OF ALL SPECIAL PROVISIONS AND THE 2012 RESURFACING LINE UP AND SPECIAL PROVISIONS WITH THE RESURFACING PACKAGE. ANY CHANGES TO THE REGULAR PROJECT SPECIAL PROVISIONS SHOULD BE SHOWN IN **BOLD** LETTERS OR MARKED IN RED ON THE ORIGINAL. THE REGULAR PROJECT SPECIAL PROVISIONS CAN BE ACCESSED FROM THE DIVISION OF HIGHWAYS WEB SITE.
- _____ . PLEASE CONTACT THE TRAFFIC CONTROL, MARKING & DELINEATION SECTION PRIOR TO SUBMITTING THE RESURFACING PACKAGE IF THE STANDARD TRAFFIC CONTROL SPECIAL PROVISIONS ARE NOT APPLICABLE OR IF SPECIAL DETAILS/PLANS MAY BE REQUIRED.

TRAFFIC CONTROL & PAVEMENT MARKINGS

- _____ . THE TRAFFIC CONTROL SPECIAL PROVISIONS ARE R-1, R-2 OR R-3, AND R-4.
- _____ . CHOOSE EITHER R-2 OR R-3. NOT BOTH.
- _____ . MAKE ANY CHANGES NECESSARY TO SPECIAL PROVISIONS IN **BOLD** LETTERS OR MARK CHANGES TO ORIGINAL IN RED.

- _____ . INCLUDE PAVEMENT MARKINGS (PERMANENT AND TEMPORARY) AND PAVEMENT MARKERS ON THE SUMMARY OF QUANTITIES.
- _____ . PAVEMENT MARKINGS AND MARKERS SHOULD BE DETAILED ON THE SUMMARY OF QUANTITIES BY COLOR (i.e., WHITE AND YELLOW THERMOPLASTIC, CYAN AND RED MARKERS, ETC.)
- _____ . THERMOPLASTIC CHARACTERS (RXR, ONLY, SCHOOL, ETC.) SHOULD BE DENOTED ON THE SUMMARY OF QUANTITIES BY LOCATION AND SHOULD REPRESENT THE NUMBER OF CHARACTERS REQUIRED TO SPELL OUT THE MESSAGE. FOR EXAMPLE, A MAP WITH (2) SCHOOL AND (1) RXR MESSAGES WILL SHOW QUANTITIES OF 12 EA. AND 2 EA., REPECTIVELY ON THE SUMMARY OF QUANTITIES. A TOTAL OF 14 CHARACTERS WILL BE SHOWN ON THE ESTIMATE FOR THIS MAP. THE "X" IN THE RXR MESSAGE IS NOT A CHARACTER AND SHALL BE PAID FOR AS 16" THERMOPLASTIC. THE TRANSVERSE BANDS SHOULD BE PAID FOR AS 24" THERMOPLASTIC.

PLANS PREPARED BY: _____