

WBS Number: \_\_\_\_\_  
Division: \_\_\_\_\_ County: \_\_\_\_\_  
Letting Date: \_\_\_\_\_

Eff. 01-15-02  
Rev.03-01-17

**REVIEW LIST FOR FINAL RESURFACING PROJECTS**  
**LET UNDER THE 2012 SPECIFICATIONS**

Place a "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 the map limits?
- \_\_\_\_\_ . Are the route numbers correct on the maps?
- \_\_\_\_\_ . Do the route numbers on the maps correspond with the map description on the summary of quantities?
- \_\_\_\_\_ . Is the mileage for each section shown correctly?
- \_\_\_\_\_ . Do the maps have north arrows, county names, WBS numbers and TIP number (if applicable)? If you have more than two WBS nos., you may list the first one followed by "etc." Show the WBS numbers in the title block in the upper right hand corner.
- \_\_\_\_\_ . Do not use a NCDOT Roadway title sheet unless your resurfacing project has a TIP number.
- \_\_\_\_\_ . Place maps on 11" x 17" sheets.

**TYPICAL SECTIONS**

- \_\_\_\_\_ . Do typical sections represent the intended construction? (i.e., are existing ditches being moved, shoulders added, etc.?)
- \_\_\_\_\_ . Does the proposed resurfacing pavement width of each section agree with the typical sections?
- \_\_\_\_\_ . Does the pavement schedule show correct material types and application rates?
- \_\_\_\_\_ . Please show a pavement schedule on each typical section sheet.
- \_\_\_\_\_ . If there is shoulder construction, show a shoulder width on the typical section.
- \_\_\_\_\_ . If there is milling, typical sections should indicate this. If a typical section applies, except for milling on some of the maps, indicate by a note which maps have milling.
- \_\_\_\_\_ . Label shoulder reconstruction and/or shoulder construction on typical sections, if applicable.
- \_\_\_\_\_ . Please show rumble strips (M) on the typicals and the pavement schedule if applicable.
- \_\_\_\_\_ . Do not show leveling on the typicals. Only show in the Summary of Quantities.

**QUANTITIES**

- \_\_\_\_\_ . Are the quantities for surface course, intermediate course, or base course correct with appropriate percentage increase (to account for mailbox turnouts, drives, etc.)?

- \_\_\_\_\_ . Is the asphalt binder for plant mix quantities correct? Asphalt binder for leveling course should be included; however, asphalt binder for patching material is not.
- \_\_\_\_\_ . Does the summary of quantities address the number of new “curb ramps” and/or “retrofit existing curb ramps” with truncated domes?
- \_\_\_\_\_ . Are items such as adjustment of manholes, meter and valve boxes correct on the summary of quantities?
- \_\_\_\_\_ . If there is 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.
- \_\_\_\_\_ . Ensure that your asphalt quantities correspond with your milled areas. (Mill & fill)
- \_\_\_\_\_ . Please provide a borrow quantity for the shoulder reconstruction if applicable.

### DETAILS

- \_\_\_\_\_ . Is a detail for patching existing pavement shown on plans, if applicable?
- \_\_\_\_\_ . Is an incidental milling detail included? (A quantity of incidental milling is needed if you are resurfacing and not milling. It is needed for tie-ins at the beginning and end of resurfacing, at bridges and railroads.)
- \_\_\_\_\_ . Is a shoulder wedge detail included?
- \_\_\_\_\_ . Are wattles and erosion control details included? (You need a wattles and erosion control detail if you have a pay item for wattles polyacrylamides (PAM).) or temporary fence.

### ESTIMATE & RESURFACING PROGRAM

- \_\_\_\_\_ . Are WBS numbers shown correctly in the resurfacing program?
- \_\_\_\_\_ . Is the county name(s) shown correctly?
- \_\_\_\_\_ . Are the pay item number, section number, and item description correct and applicable?
- \_\_\_\_\_ . Do the units and quantities in the resurfacing program correspond to those on the summary of quantities?
- \_\_\_\_\_ . Is the mileage shown correctly?
- \_\_\_\_\_ . If pavement repair is required, the quantity should be identified as "patching existing pavement."
- \_\_\_\_\_ . Please include an engineer’s estimate.
- \_\_\_\_\_ . Please note that a revised resurfacing estimate file is not needed for updates once the initial file is submitted.

### GENERAL

- \_\_\_\_\_ . Are the WBS numbers correctly shown on all plan sheets? This should be shown in the title block in the upper right hand corner of each sheet.
- \_\_\_\_\_ . WBS numbers should be in numerical order beginning with the smallest number. Map numbers should begin in conjunction with smallest WBS number and continue in an ascending order on the summary of quantities sheet.

- \_\_\_\_\_ . Please submit electronic files (summary of quantities, typical sections, resurfacing estimate file, special provisions, resurfacing line up sheets, maps, etc.) to Joel Howerton. Maps, typicals, and details should be in Microstation and non-scanned PDF format. Individual pdfs of each plan sheet shall be provided. You can also provide a single pdf containing all plan sheet, but this is not required. Please address the memorandum to State Contract Officer, with attention: Joel Howerton.
- \_\_\_\_\_ . Please cc: Clark Morrison.
- \_\_\_\_\_ . Please include a copy of all **special** provisions and only a 2012 line up sheets(pdf) with the resurfacing package. (resurfacing lineup sheet at: [https://connect.ncdot.gov/resources/Specifications/Specification%20Resources/02\\_\\_LineUpSheets\\_Resurfacing\\_Projects2012.pdf](https://connect.ncdot.gov/resources/Specifications/Specification%20Resources/02__LineUpSheets_Resurfacing_Projects2012.pdf) ). The Aplus line up sheets maybe used in lieu of the pdf 2012 resurfacing line-up.
- \_\_\_\_\_ . The order of the plans is maps, typicals, details, summary of quantities, traffic control.
- \_\_\_\_\_ . Please place sheet numbers on your map and typical section sheets. This allows Plan Checking to insert details as needed.
- \_\_\_\_\_ . Are signal/loop quantities needed for maps with existing signals?

TRAFFIC CONTROL & PAVEMENT MARKINGS

- \_\_\_\_\_ . Please contact the traffic control and/or pavement markings & 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. This is relevant on interstate or highly congested projects.
- \_\_\_\_\_ . Include the traffic control special provision RWZ1.
- \_\_\_\_\_ . 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.)
- \_\_\_\_\_ . 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. respectively 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" pavement marking lines. The transverse bands should be paid for as 24" pavement marking lines.
- \_\_\_\_\_ . Please specify “highly reflective elements” or “standard glass beads” if you have polyurea pay items.
- \_\_\_\_\_ . Please specify the “type” for cold applied pavement markings if applicable.
- \_\_\_\_\_ . Please include additional description (lead-in/trenching, etc.) for signal/loop quantities. Also, include the “Typical Loop Locations” detail and ICT’s for loop installation.

PLANS PREPARED BY: \_\_\_\_\_