

INSPECTOR CHECKLIST: 202 - DECK REHABILITATION

Inspection Item	Yes	No	N/A	Remarks
PRE-CONSTRUCTION				
1				Reviewed Structure Plans? Familiar with Structural Worksheets for Deck Repairs including, B-202-1: HMA Overlay and B-202-2: Polyester Concrete Overlay?
2				Deck has been sounded using Chain Dragging or Hammer to locate areas of repair? Locations have been identified with marking paint? Have existing deck conditions been photographed and documented on plan sheets?
3				Contractor's means & methods for removal have been submitted?
4				If required, have MHT plans been submitted and approved? Have the MHTs been installed per the approved MHT?
5				Is the proper sized equipment on site (15 lb. pneumatic hammers)?
6				If Class 3 repairs, has formwork been submitted and approved?
7				Overlay materials have been submitted and approved?
8				If using Thin Bonded Overlay, has a Pre-Paving Concrete been held per 519.07)?
CONSTRUCTION				
9				Have all sawcuts been performed and are they at the proper line, grade, and depth?
10				Are protected elements (reinforcing steel, existing bridge components, etc.) free of damage? If not, have they been repaired or replaced?
11				Has remaining rebar been cleaned? Has epoxy coated rebar been coated? Has black rebar been sandblasted?
12				Has remaining rebar been inspected? Is there more than 25% section loss?
13				Are removals per specified Class? <ul style="list-style-type: none"> • Class 1: Maximum removal to middle of top rebar mat • Class 2: Minimum 1" below top rebar mat and maximum removal of half deck thickness • Class 3: Full depth repair
14				If Class 1 repair, ensure only Thin Bonded Overlay is used
15				If Class 2 repair, is there a solid bond between the existing concrete and rebar? If not, may need to go to Class 3 repair.
16				If Class 3 repair, has formwork been installed per approved submittal?
17				For Thin Bonded Overlay, ensure proper surface preparation and application. Surface temps between 40-100 degrees F; Place Primer within 5 minutes of mixing; re-apply as needed; place overlay 15-120 minutes after primer.
18				For concrete patching, have maturity meters been set?
19				For concrete patching, has cure material been applied per specifications?
20				For Waterproofing (Membrane), ensure proper surface preparation and application. Refer to specifications to determine if either shot or sand blasting is required.

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21	Is dust being maintained? Are environmental, HAZMAT, and other safety plans being followed?				
POST-CONSTRUCTION					
22	Has Thin Bonded Overlay been cured for 4 hours or until a reading of 25 on Schmidt hammer has been achieved?				
23	Has concrete material testing method been approved by regional materials team? Has the concrete been tested per this method and met required strength (2500 PSI) prior to opening to traffic?				
<p>PLEASE NOTE THAT THE INTENT OF THESE CONSTRUCTION QUALITY ASSURANCE OBSERVATION CHECKLISTS ARE TO ASK QUESTIONS REGARDING OBSERVATION DUTIES THAT WILL PROMPT THE CONSTRUCTION OBSERVERS TO RESEARCH SOURCE DOCUMENTS TO DETERMINE ANSWERS. THEY DO NOT SERVE AS A REPLACEMENT TO REVIEWING AND KNOWING ALL SPECIFICATIONS AND SOURCE DOCUMENTS. SOURCE DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO: ATSSA QUALITY STANDARDS FOR WORK ZONE TRAFFIC CONTROL DEVICES; M&S STANDARDS; CONSTRUCTION BULLETINS; CONSTRUCTION MANUAL; SURVEY MANUAL; EROSION CONTROL MANUAL; HMA PAVING HANDBOOK; MUTCD; MATERIALS MANUAL; MATERIALS BULLETINS; PROJECT PLANS; STANDARD SPECIFICATIONS; PROJECT SPECIAL PROVISIONS; PROJECT STAND SPECIAL PROVISIONS; ETC. THE OBSERVER SHOULD ALSO CONSULT WITH THE CONSTRUCTION QUALITY ASSURANCE MANAGER AND OTHER EXPERIENCED PERSONNEL IF FURTHER CLARIFICATION IS REQUIRED.</p>					