

TYPICAL SECTION THRU EXISTING DECK

\* Match existing concrete color. Apply tinted sealer to blend existing and new concrete repairs to existing concrete.

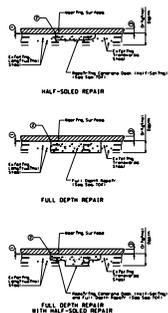
STANDARD DRAWING GUIDANCE (do not show on plans):  
This is an index of Standard Drawing details. Modify as required.

Transverse repair zoning over intermediate bents is required for these structures. Longitudinal repair zoning in spans is required only when hydro demolition is required and is based on anticipated quantity of deck repair. If not overlaid, confidence of anticipated quantity of deck repair is overlaid, deck rating (e.g. 6 or better may not need zoning). See EPC 151.40 if only transverse zoning is required. Zones shall be called "Special Repair Zones".

Wearing surface thickness can vary according to grade elevation requirements and minimum barrier curb height requirements. Max. thickness should be limited to 3" (Ref. Organizational Results Research Report DR06.004, May 2006).

- (A) - Match or show difference as plus/minus "x" (e.g. ± 1/4"). See Bridge Memorandum or SPM.
- (B) - Identify new wearing surface and thickness. See Bridge Memorandum or SPM.
- (C) - Identify existing wearing surface and thickness. See Bridge Memorandum or existing plans.
- (D) - 1/4" typical. See Bridge Memorandum or SPM.
- (E) - 1/2" min. See Bridge Memorandum for the minimum depth of total surface hydro demolition.
- (F) - See existing plans.
- (G) - Use appropriate reference line, i.e.  $\epsilon$  Structure,  $\epsilon$  Roadway,  $\epsilon$  Median, etc.
- (H) - When detailing Epoxy Polymer Concrete Overlay, it is a preferred detailing practice to show a discernable overlay thickness on the plans.
- (I) - Partial Depth Repair should only be allowed where anticipated quantity of deck repair is not significant and longitudinal zoning is not required.
- (J) - Low Slump Concrete and Polyester Polymer Concrete are not allowed for Partial Depth Repair because they are too stiff to be poured monolithically and should only be used with Half-Soled Repair. Any other concrete wearing surface may be used for Partial Depth Repair.
- (K) - Slab Edge Repair may be used in place of Substructure Repair (Unformed) in these locations. (See Sec 704)

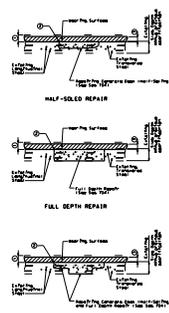
BOX BEAM WITHOUT EXISTING WEARING SURFACE



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DECK REPAIR DETAILS

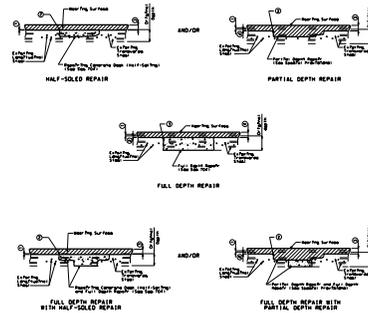
BOX BEAM WITH EXISTING WEARING SURFACE



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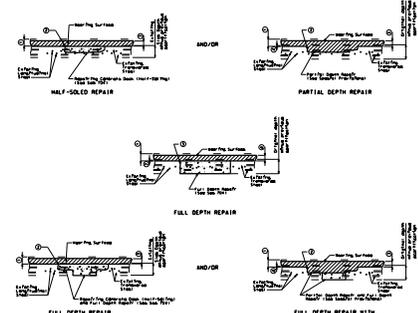
BOX BEAM WITHOUT EXISTING WEARING SURFACE-HYDRO DEMOLITION



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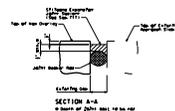
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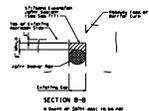
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DECK REPAIR DETAILS

USE FOR ALL APPLICATIONS



DETAIL FOR CLEAN AND SEAL JOINT AT END BENTS



SECTION C-C