

Bridge Deck Overlays

Quantities for bridge deck overlay conventional removal:

Class 1 Removal = 100% of deck area

Class 2 Removal = 20% of deck area or area of delamination (whichever is larger)

Class 2-A Removal = Class 2(SY) x 1.8 = LF

Class 3 Removal = 5% of deck area (% based on delamination or Engineer's discretion)

Class 4 Removal = 1% of deck area (% based on Engineer's discretion)

Overlay Concrete = Class 1 area x (overlay thickness + 1/2")

Additional 1/2" to account for roughness variation in removal

Deck Concrete = (Class 2 area) x bottom of removal to top of top mat + (Class 3 area) x top of top mat to top of bottom mat + (Class 4 area) x top of bottom mat to bottom of deck

Quantities for bridge deck overlay hydrodemolition removal:

Class 1 Removal = 100% of deck area

Class 1-H Removal = 100% of deck area

Class 3 Removal = 5% of deck area (% based on delamination or Engineer's discretion)

Class 4 Removal = 1% of deck area (% based on Engineer's discretion)

Overlay Concrete = Class 1 area x (overlay thickness + 1/2")

Additional 1/2" to account for roughness variation in removal

Deck Concrete = (Class 3 area) x bottom of removal to top of bottom mat + (Class 4 area) x top of bottom mat to bottom of deck

Deck Overlay Transition:

Include Deck Overlay Transition cell only if needed.