

Quick Reference

Key Word	Description
Environment	The environmental or operating factors that effect the deterioration rate of the element. See Appendix A-1 for detailed descriptions and guidelines for environment determination. 1 - Benign 2 - Low 3 - Moderate 4 - Severe
Feasible Actions	A listing of typical actions/work recommendations that would be taken for an element in that condition state.

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Conversion	Factor
Feet to Meters	Feet x 0.3048 = Meters
Inches to Millimeters	Inches x 25.4 = Millimeters
Square Feet to Square Meters	Square Feet x 0.093 = Square Meters
Length of element along skew	= Perpendicular to Rdwy Width/Cosine (skew angle)

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Decks/Slabs	Units	Decks	Slabs
Concrete (Bare)	sq. m	12 (14)	38 (14)
Concrete Unprotected with AC Overlay	sq. m	13 (15)	39 (15)
Concrete Protected with AC Overlay	sq. m	14 (16)	40 (16)
Concrete Protected with Thin Overlay	sq. m	18 (17)	44 (17)
Concrete Protected with Rigid Overlay	sq. m	22 (18)	48 (18)
Concrete Protected with Coated Bars	sq. m	26 (19)	52 (19)
Concrete Protected with Cathodic Protection	sq. m	27 (20)	53 (20)
Open Grid – Steel	sq. m	28 (21)	
Concrete Filled Grid – Steel	sq. m	29 (22)	
Corrugated/Orthotropic/Etc.	sq. m	30 (23)	
Timber (Bare)	sq. m	31 (24)	54 (26)
Timber with AC Overlay	sq. m	32 (25)	55 (27)
Prestressed Concrete Slab (Bare)	sq. m		60 (28)
Prestressed Concrete Slab – Unprotected with AC	sq. m		61 (29)

Note

- Number in **boldface** indicates Element Number.
- Italicized number within parentheses (##) indicates the page number of the condition state language.

Superstructure Items	Units	Steel Unpainted	Steel Painted	Prestressed Concrete	Reinforced Concrete	Timber	Other
Closed Web/Box/Girder	m	101 (3)	102 (5)	104 (7)	105 (9)		
Open Girder	m	106 (3)	107 (5)	109 (7)	110 (9)	111 (11)	
Stringer (Stringer-Floor Beam System)	m	112 (3)	113 (5)	115 (7)	116 (9)	117 (11)	
Truss (Bottom Chord)	m	120 (3)	121 (5)				
Truss (Excluding Bottom Chord)	m	125 (3)	126 (5)				
Deck Truss (Excluding Bottom Chord)	m	130 (3)	131 (5)				
Timber Truss/Arch	m					135 (11)	
Arch	m	140 (3)	141 (5)	143 (7)	144 (9)		145 (13)
Uncoated Cable (Not Embedded in Concrete)	EA						146 (30)
Coated Cable (Not Embedded in Concrete)	EA						147 (31)
Floor Beam	m	151 (3)	152 (5)				
Pin and Hanger Assembly	EA	160 (32)	161 (33)				
Railroad Car Frame	EA						170 (34)
Miscellaneous Steel Superstructure	EA						171 (35)

Smart Flags	Units	Element No.
Steel Fatigue	EA	356 (66)
Pack Rust	EA	357 (67)
Deck Cracking	EA	358 (68)
Soffit, Under Surface of Decks	EA	359 (69)
Settlement	EA	360 (70)
Scour	EA	361 (71)
Traffic Impact	EA	362 (72)
Steel Section Loss	EA	363 (73)

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Substructure Element	Units	Steel	Steel	Prestressed Concrete	Reinforced Concrete	Timber	Other
		Unpainted	Painted				
Column or Pile Extension	EA	201 (3)	202 (5)	204 (7)	205 (9)	206 (11)	
Pier Wall	m				210 (9)		
Abutment	m				215 (9)	216 (11)	
Submerged Pile Cap/ Footing	EA				220 (9)		
Submerged Pile	EA	225 (3)			227 (9)	228 (11)	
Cap	m	230 (3)			234 (9)	235 (11)	
Culvert	m	240 (38)			241 (39)	242 (40)	243 (41)
Tunnel	m						250 (42)
Steel Shell Filled with Concrete	EA						251 (43)
CIDH Piles	EA						252 (8)
Seismic Column Shells (Full Height)	EA						254 (44)
Seismic Column Shells (Partial Height)	EA						255 (45)
Slope Protection	EA						256 (46)

Note

- See Appendix C for Column and Pile guidelines.
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Other Super/Substructure Elements	Units	Metal	Prestressed Concrete	Reinforced Concrete	Timber	Other
Uncoated Cable (Not Embedded in Concrete)	EA					146 (30)
Coated Cable (Not Embedded in Concrete)	EA					147 (31)
Steel Pin and Hanger Assembly Unpainted	EA					160 (32)
Steel Pin and Hanger Assembly Painted	EA					161 (33)
Seismic Restrainer Cable	EA					180-182 (36)
Strip Seal Expansion Joint	m					300 (47)
Pourable Joint Seal	m					301 (48)
Compression Joint Seal	m					302 (49)
Assembly Joint/Seal - Modular)	m					303 (50)
Assembly Joint/Seal - Non Modular	m					308 (51)
Open Expansion Joint	m					304 (52)
Open Joint – Steel Sliding Plates	m					349 (52)
Open Joint – Steel Finger	m					350 (52)
Asphaltic Plug Joint	m					309 (53)
Elastomeric Bearing	EA					310 (54)
Movable Bearing (Roller, Sliding, etc.)	EA					311 (56)
Enclosed/Concealed Bearing	EA					312 (55)
Fixed Bearing	EA					313 (57)
Pot Bearing	EA					314 (58)
Disk Bearing	EA					315 (59)
Approach Slab	EA		320 (60)	321 (61)		
Bridge Railing	m	330 (62)		331 (63)	332 (64)	333 (65)
Bridge Railing Cont.	m	336-338 (62)		339 (63)		334-335 (65)

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