Table 4 **Guidance Framework**

	Risk Class :			
	Degree of Exposure and Structure Importance			
	Low	Moderate	High	Very High
Service Conditions :				
Inland				
Marine				
Airborne salts				
Tidal and Splash Spray				
Submerged				
Exposure to Chlorides				
Low				
Moderate				
High				
Very High				
Risk of Carbonation				
Road Class				
Rural, Urban Road				
Rural, Urban Artery				
Rural, Urban Principal Artery				
Freeway, Major Roadway				
Critical Access Route (now/in the future)				
Yes/No				

STAINLESS STEEL REBAR ASSOCIATION

Design Service Life (no major repair)				
Less than 50 years				
50 to 75 years				
Greater than 75 years				
Supplementary Protection to be used, yes/no				
Deck sealant, membrane				
Excess cover				
Concrete design				
Probability of Major Repair without adequate Durability Measures				
Low				
Moderate				
High				
Very High				
Ease of Rehabilitation Access *				
Fair				
Moderate				
Difficult				
Very Difficult				
Impact of a Repair : Economics, Congestion				
Low				
Moderate				
High				
Very High				
	LOW	MODERATE	HIGH	VERY HIGH
		I	l	1

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Risk Class Determination				
Zones of Stainless Use :				
Bridges, Overpasses				
Decks, Parapets, Medians				
Bridge beams, Piers, Towers				
Abutments, walls, approach spans				
Underside of decks in spray zones				
Exposed bolts, dowels				
Tunnels				
Tunnel walls, barriers, medians				
Portals				
Parking Structures				
Decks				
Columns				
Marine Structures				
Areas exposed to airborne and splash salt				
	Not a	UNS S32304	UNS S31803	UNS S31803
Recommendation : Steel Type	candidate for Stainless	UNS S32101	UNS S32304	UNS S31853
		UNS S24100	UNS S32101	UNS S32304
Design and Economic Analysis:				
Allowance for Design Benefits with Stainless				
Cover Reduction				

STAINLESS STEEL REBAR ASSOCIATION

Increased crack width		
Life Cycle Cost Analysis		
Includes User Costs		
Includes Traffic Management Costs		
Avoided repair costs		
Recommendation : Fabrication Standard		
Stainless steel fabrication adheres to ANSI / CRSI IPG 4.1		

^{*} Includes the case where there is a need for extensive traffic management during repairs and maintenance.