

Bill of Reinforcing Steel for Superstructure - 40' Bridge																		
Location	Skew	0 Degree					15 Degree			30 Degree			45 Degree					
		Shape	Bar	No.	Length	Weight	No.	Length	Weight	No.	Length	Weight	No.	Length	Weight			
Slab Longitudinal Bottom		10a1	16	42'-8"	2938	16	42'-8"	2938	16	42'-8"	2938	16	42'-8"	2938				
Slab Longitudinal Bottom		11a2	16	27'-10"	2366	16	27'-10"	2366	16	27'-10"	2366	16	27'-10"	2366				
Slab Longitudinal Bottom		11a3	15	42'-8"	3400	15	42'-8"	3400	15	42'-8"	3400	15	42'-8"	3400				
Slab Longitudinal Bottom, at Rail		10a4	8	42'-8"	1469	8	42'-8"	1469	8	42'-8"	1469	8	42'-8"	1469				
Slab Longitudinal Top		6b1	32	24'-8"	1184	32	24'-8"	1184	32	24'-8"	1184	32	24'-8"	1184				
Slab Longitudinal Top		5b2	32	13'-6"	451	32	13'-6"	451	32	13'-6"	451	32	13'-6"	451				
Slab Longitudinal Top		5b3	30	9'-4"	292	30	9'-4"	292	30	9'-4"	292	30	9'-4"	292				
Slab Longitudinal Top, at Rail		5b4	8	24'-2"	202	8	24'-2"	202	8	24'-2"	202	8	24'-2"	202				
Slab Longitudinal Top, at Rail		5b5	8	12'-7"	105	8	12'-7"	105	8	12'-7"	105	8	12'-7"	105				
Slab Transverse Bottom		6c1	37	26'-10"	1491	37	27'-9"	1544	26	26'-10"	1048	16	26'-10"	645				
Slab Transverse Ends, Bottom	6c3	-	-	-	-	-	-	24	VARIES	579	44	VARIES	976					
Slab Transverse, Top	5d2	37	26'-10"	1036	37	27'-9"	1072	26	26'-10"	728	16	26'-10"	448					
Slab Transverse Ends, Top	5d4	-	-	-	-	-	-	24	VARIES	402	44	VARIES	678					
Top of Slab, Transverse, at Rail	4j1	72	7'-5"	357	72	7'-5"	357	72	7'-5"	357	70	7'-5"	347					
Paving Block Lifting Hoops	5z1	8	2'-10"	24	8	2'-10"	24	8	2'-10"	24	8	2'-10"	24					
Epoxy-Coated Sub Total - LBS.					15,315			15,404			15,545			15,525				
Integral Abutment Bars																		
Slab, Transverse at Abutment		8e1	14	26'-10"	1003	-	-	-	-	-	-	-	-	-				
Slab, Transverse at Abutment		8e2	-	-	-	14	27'-8"	1034	14	30'-6"	1140	14	36'-9"	1374				
Slab, Hairpins, at Abutment		6e3	60	5'-0"	451	60	5'-1"	458	60	5'-5"	488	60	6'-1"	548				
Slab, Diagonal, at Abutment		6e4	60	5'-11"	533	60	5'-11"	533	60	5'-11"	533	60	5'-11"	533				
Wing, Vertical		5m1	40	4'-5"	184	40	4'-5"	184	40	4'-5"	184	40	4'-5"	184				
Wing, Horizontal	5n1	48	6'-8"	334	48	6'-8"	334	48	6'-8"	334	48	6'-8"	334					
Epoxy-Coated Sub Total - Integral Abutment - LBS.					2,505			2,543			2,679			2,973				
High Abutment Bars																		
Slab, Diagonal, at Abutment		6e4	60	5'-11"	533	60	5'-11"	533	-	-	-	-	-	-				
Slab, Transverse at Abutment		8e5	18	34'-8"	1666	18	35'-11"	1726	-	-	-	-	-	-				
Slab, Transverse at Abutment, Cap Ends		8e6	4	5'-2"	55	4	5'-4"	57	-	-	-	-	-	-				
Abutment Hairpins		6s1	160	8'-0"	1923	140	8'-0"	1730	-	-	-	-	-	-				
Abutment Hairpins, Cap Ends		6s2	-	-	-	16	8'-1"	194	-	-	-	-	-	-				
Abutment Hairpins, Cap Ends	5s3	24	8'-4"	209	24	8'-5"	211	-	-	-	-	-	-					
Spiral		#2	14	38'-6"	89	14	38'-6"	89	-	-	-	-	-	-				
Spiral Spacers, L 7/8x7/8x1/8x 0.7		42	1'-10"	54	42	1'-10"	54	-	-	-	-	-	-	-				
Epoxy-Coated Sub Total - High Abutment - LBS.					4,386			4,594										
Non-Coated Sub Total - High Abutment - LBS.					143			143										