



Project:	CCG3A	Computed:	NJH/JML/D	Date:	5/16/2024
Subject:	Bridge 9	Checked:	DWW	Date:	5/16/2024
Task:	Estimated Quantities	Page:		of:	
Job #:	10021558	No:			

Item 513E10301 - Structural Steel Members, Level 5, As Per Plan (LB):

Made by: NJH	Date:	10/28/25'
Checked by : RBK	Date:	10/28/25'

Unit 1:

	G1-1	G1-2	G1-3	G1-4	G1-5	G1-6	G1-8	G1-9	
Individual Girder Lines	271,700	71,400	258,900	256,300	249,600	247,000	244,400	245,300	LB
Unit 1 Girders	1,844,600								LB
Stiffeners	112,500								LB
Field Splices	34,600								LB
Cross-frames	422,800								LB
Header Beam	4,000								LB
Lateral Bracing	18,500								LB
Inspection Handrail	12,200								LB
Miscellaneous	49,000								LB
Unit 1 Total =	2,498,200								LB

Unit 2:

	G2-1	G2-3	G2-4	G2-5	G2-6	G2-7	G2-8	G2-9	
Individual Girder Lines	624,400	588,000	572,300	564,100	530,600	211,800	503,200	498,800	LB
Unit 2 Girders	4,093,200								LB
Stiffeners	212,400								LB
Field Splices	92,200								LB
Cross-frames	885,600								LB
Header Beam	4,500								LB
Lateral Bracing	28,800								LB
Inspection Handrail	24,100								LB
Miscellaneous	106,900								LB
Unit 2 Total =	5,447,700								LB

Bridge 9 Total:

Girders	5,937,800	LB
Stiffeners	324,900	LB
Field Splices	126,800	LB
Cross-frames	1,308,400	LB
Header Beam	8,500	LB
Lateral Bracing	47,300	LB
Inspection Handrail	36,300	LB
Miscellaneous	155,900	LB
Total Weight =	7,945,900	LB

Note:

Miscellaneous weight is an additional 2% of the sum of the different elements and is intended to account for items not directly calculated (i.e. bolts and welds)

Total Steel Weight = 7,945,900 LB
