Price Proposal

Meadowbrook Bridge Load Rating

Load Rating for Steel Truss Bridge

Submitted to: City of Snoqualmie (Attn: Steve Clarke)

Contract Type: T&M

Labor Plan

7 Resource

Price Summary / Totals

Task Pricing Totals	153,863
Specify Add'l Fees on Setup	0
Technology Use Fee	
Total Price	**153,863**

Pricing by Resource

Project Phases / Tasks	Schedule From	Schedule Thru	Schedule Months	Work Days Off	Work Days	Total Labor Hrs	David Scott (David Scott)	Greg Katzenburger (Greg Katzenburger)	Daniel Stuard (Daniel Stuard)	Cheng Yang (Cheng Yang)	Kody Sanders (Kody Sanders)	Rob Kramer (Rob Kramer)	Tara Silverbatt (Tara Silverbatt)	Unit Rate Qty's: Items >	Fleet Vehicles	Labor Rate Esc.	Labor	Subs	Travel	Mat'ls & Equip	ODCs	Task Pricing Totals
														Unit Rate >	$0.71							
														Unit >	mile							
														Charged to >	M&E							
						950	26	20	131	255	214	272	32	Quantities >	200	0.00%	153,721	-	-	142	-	153,863
Task 1 - Project Management						**80**	**26**	**-**	**24**	**8**	**-**	**-**	**22**		**-**		**14,951**	**-**	**-**	**-**	**-**	**14,951**
Schedule						12	2		4				6				1,975					1,975
Project Meetings						20	4		8	8							4,122					4,122
Project Coordination, communications, status reports (3 months)						48	20		12				16				8,854					8,854
Task 2 Bridge Data Collection						**113**	**-**	**-**	**13**	**26**	**32**	**42**	**-**		**200**		**16,827**	**-**	**-**	**142**	**-**	**16,969**
Review Bridge Data (Steel Truss & Approach Structures)						94			12	18	32	32					13,597					13,597
Site Visit						12				6		6			200		2,108			142		2,250
Site Visit Report Memo						7			1	2		4					1,122					1,122
Task 3 - Load Rating Results Report (DRAFT)						**695**	**-**	**20**	**82**	**205**	**166**	**214**	**8**		**-**		**112,237**	**-**	**-**	**-**	**-**	**112,237**
Steel Riveted Pratt Through Truss (220 foot Span)						**390**	**-**	**-**	**48**	**144**	**-**	**198**	**-**		**-**		**65,546**	**-**	**-**	**-**	**-**	**65,546**
Load Rating Data Assumptions Memo						8			2	2		4					1,295					1,295
Member Properties 22 members and geometry						24				8		16					3,797					3,797
Determine Bridge Dead Loads (Deck, railings, etc.)						24				8		16					3,797					3,797
Assemble 2-D SAP 2000 Structural Analysis Model and Vehicle loads						32				12		20					5,202					5,202
Assemble Loading Results for members						32				8		24					4,784					4,784
Capacities for 22 Member Configurations / Check Deficiencies						36				12		24					5,696					5,696
Check 92 total Members / 35 with Deficiencies						24				8		16					3,797					3,797
Capacities for 11 Gusset Plate Configurations / Check Deficiencies						72			12	48		12					14,493					14,493
Check 44 Total Gusset Plates / 32 with Deficiencies						36			12	12		12					6,290					6,290
Capacities for structural pins (isolations bearings)						22			8	2		12					3,320					3,320
Rating Factor Summary Sheets						22			2	8		12					3,650					3,650
Check Calcs & Model						58			12	16		30					9,423					9,423
Truss Floor Beam and Stringer						**105**	**-**	**-**	**8**	**31**	**66**	**-**	**-**		**-**		**15,608**	**-**	**-**	**-**	**-**	**15,608**
Assume no need to rate slab						-																-
Assume no need to rate beam and stringer connections						-																-
AssembleSAP 2000 Structural Analysis Model and Vehicle loads						32				12	20						4,904					4,904
Assemble Loading Results for members						16				4	12						2,213					2,213
Capacities for Floor Beam and Stringer						16				4	12						2,213					2,213
Perform Load Rating						9				3	6						1,335					1,335
Rating Factor Summary Sheets						4					4						434					434
Check Calcs & Model						28			8	8	12						4,508					4,508
CIP Concrete Approach Structures						**102**	**-**	**-**	**20**	**14**	**68**	**-**	**-**		**-**		**14,027**	**-**	**-**	**-**	**-**	**14,027**
Load Rating Data Assumptions Memo						8			2	2	4						1,236					1,236
Member Properties / Reinforcement (4 Bridges)						4					4						434					434
Determine Dead Loads (Deck, railings, etc.)						4					4						434					434
Assemble (2) Continuous Bridge Models (BRIDG)						24			4		20						2,862					2,862
Assemble (2) Simple Span Bridge Models (BRIDG)						12			2		10						1,431					1,431
Assemble Cross Beam Model (BRIDG)						12			2		10						1,431					1,431
Rating Factor Summary Sheets						10			2		8						1,214					1,214
Check Calcs & Models						28			8	12	8						4,986					4,986
Posting Based on Governing Load Rating						**98**	**-**	**20**	**6**	**16**	**32**	**16**	**8**		**-**		**17,056**	**-**	**-**	**-**	**-**	**17,056**
Posting Based on Governing Load Rating						26			2	8	16						3,905					3,905
Senior Review and Assemble & Submit DRAFT Report (Electronic)						72		20	4	8	16	16	8				13,152					13,152
Task 4 - Load Rating Results Report						**62**	**-**	**-**	**12**	**16**	**16**	**16**	**2**		**-**		**9,706**	**-**	**-**	**-**	**-**	**9,706**
Respond to City DRAFT Report Comments						8			4	4							1,603					1,603
Address City DRAFT Report Comments / Update Calculations & Report						28			4	8	8	8					4,370					4,370
Senior Review, Stamp, and Submit FINAL Report (Electronic)						26			4	4	8	8	2				3,733					3,733
Totals						**950**	**26**	**20**	**131**	**255**	**214**	**272**	**32**	Quantities >	**200**	**0.00%**	**153,721**	**-**	**-**	**142**	**-**	**153,863**