

## 2013 Extensive Estimates

### Estimate

mini	<2 days
small	2 - 5 days
medium	1 - 2 weeks
large	2 - 4 weeks
extensive	> 4 weeks
nc	No charge
no est	Not estimated yet

Done for 6.5  
Do for 6.6

Cost estimate includes unit testing but not alpha, beta and acceptance testing or fixing.

**7/12/03 - Est. Cost changed to reflect the cost of fixing during testing. Does not include testing.**

### Bucket Symbols

TR	Superstructure - Truss
GFS	Superstructure - GFS
TFD	Superstructure - TF Direction
UI	Superstructure - UI
TI	Superstructure - Timber
PT	Superstructure - Post Tensioning
3D	Superstructure - 3-D Analysis
OFM	Substructure - Original Functionality Missing
GR	Substructure - Graphics
RE	Reports
AT	Administrative Tools
CU	Culvert
NET	.NET
M	Maintenance

### Notes Symbols

TF	Task Force Approved
LR	Long Range
SL	Short Listed by TAG

Enhancement Category	Version	Incident	Bucket Category	Estimate	Est. Cost	Date Submitted	Notes	Benefits	Subject
Technical		1233	Enhancement	extensive	>26000		LR	BrD	Opis as a Design Tool - improve the iteration capabilities to be automatic
Technical		1864	Enhancement	extensive	>26000	12/2/99		Both	PS Beam Temporary Supports - Transportation -- dynamic effects on beam due to transporting
Technical		2293	Enhancement	extensive	>26000	2/10/00		Both	Structure Framing Plan Details -- Temporary Diaphragms
Useability		2602	Enhancement	extensive	>26000			Both	Cleanup of engine data files
Technical		2683	Enhancement	extensive	>26000			Both	Enhancement Request - Bridge Explorer Folders/Filters/Lists -add more fields
Technical		2759	Enhancement	extensive	>26000			Both	Stiffness of multi-layered decks for Girder Distribution Factors
Resolved	6.5	2842	Enhancement	extensive	>26000	9/14/00		Both	Support voided RC slabs
Technical		3091	Enhancement	extensive	>26000	2/5/01	SL 7/02	Both	Add glulam deck, longitudinal deck and longitudinal stress-lam desc timber structures
Output		3205	RE	extensive	>26000	5/1/01		BrD	Output summary - Design Reports
Useability		3284	Enhancement	extensive	>26000			Both	Simplify the BWS tree by hiding alternatives
Useability		3305	Enhancement	extensive	>26000			Both	Enhance schematics for data entry
Technical		3589	Enhancement	extensive	>26000			BrR	Add Post Tensioned Concrete
Technical		3607	PT	extensive	>26000		SL 7/02	BrR	Add Parabolic Harping of Prestressing Strand
Technical		4438	TI	extensive	>26000		SL 7/04	BrR	Madero/Timber issues (include runners and multiple layer decks)
Technical		4699	Enhancement	extensive	>26000			BrR	Provide Access to All Load Rating Results
Technical		4700	Enhancement	extensive	>26000			BrR	Provide Shear Skew Adjustment Factors
Technical		4701	Enhancement	extensive	>26000			BrR	Enhancements for Permit Routing
Technical		4703	Enhancement	extensive	>26000			BrR	Accommodating Structures with Different Girder Types
Useability		4799	Enhancement	extensive	>26000			BrR	Add intermediate short floor beam in the end panel of a skewed GFS and GF structure
Output		4821	Enhancement	extensive	>26000			BrD	Need tabular report showing stresses
Technical		5399	Enhancement	extensive	>26000			Both	Allow user override for schedule based reinforcement dev lengths
Schematic		5941	Enhancement	extensive	>26000	2/2/05	SL 6/09	BrD Sub	Graphical representation of pier/superstruct relationship
Technical		6327	Enhancement	extensive	>26000			BrD	Critical Design Point Missed in POI Wizard
Useability		6605	Enhancement	extensive	>26000			Both	Possible Enhancement - Mandatory Input Color Coding
Useability		6622	Enhancement	extensive	>26000			Both	Virginia DOT training: control display digits for real numbers
Technical		6655	Enhancement	extensive	>26000			BrR	Using fill plates in bearing analysis
Useability		6834	Enhancement	extensive	>26000			BrR	NSG Tracks instead of wheels
Technical		7446	TR	extensive	>26000		SL 7/06	BrR	Truss deck def needs to include timber decks
Resolved	6.5	7504	Enhancement	extensive	>26000	7/18/06	LR	Both	Ability to define a entire bridge/structure definition for RC Slab bridges
Useability		7626	UI	extensive	>26000	9/21/06		Both	Add "OK/Next" button to component definitions windows to speed up input
Schematic		7682	TFD	extensive	>26000	10/27/06		Both	Text Overwritten in Rebar Schematic
Useability		7787	Enhancement	extensive	>26000	1/20/07		Both	Generic Section Composer for Opis & Virtis
Useability		8039	Enhancement	extensive	>26000	7/27/07	SL 6/09	Both	Enhancement Request - Cover Plates with Schedule Based input - steel girders
Wizard		8494	Enhancement	extensive	>26000	3/6/08	SL 6/09	BrD Sub	Design Aid for Column Steel
Useability		8989	Enhancement	extensive	>26000	3/11/09	SL 6/09	BrR	Schedule Based Reinforcement Input for Concrete I Girder
Useability		9158	TR	extensive	>26000	5/15/09		BrR	timber stingers on floorbeams (truss and floor systems)
Useability		9313	Enhancement	extensive	>26000	6/23/09	SL 5/10	BrR	steel channel section for exterior girders
Useability		10083	GFS	extensive	>26000	6/25/10		BrR	Floor Beams supported on main girder and substructure
Miss Function		10339	GFS	extensive	>26000	12/28/10	SL 4/11	BrR	LRFR - Stinger, Floorbeam, Girder System - Enhancement

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Enhancement Category	Version	Incident	Bucket Category	Estimate	Est. Cost	Date Submitted	Notes	Benefits	Subject
Technical	6.6	10776	Enhancement	extensive	>26000	4/21/11		BrR	New Function for Different Vehicles Placed Side BY Side
Useability		10777	TFD	extensive	>26000	4/21/11		BrR	Analysis of Combined Axial Load and Bending
Technical	6.6	11054	Enhancement	extensive	>26000	8/9/11		BrD	Prestressed Design Tool
Useability		11104	Enhancement	extensive	>26000	9/16/11	SL 5/12	BrR	Enhancement to Stagger Stringers in Floor Truss Systems
Technical	6.6	11153	Enhancement	extensive	>26000	10/27/11	SL 5/12	Both	Rate steel girders as simple for dead and continuous for live
Useability		11247	Enhancement	extensive	>26000	2/21/12		Both	Schedule based entry for steel built-up member.
Technical		11366	Enhancement	extensive	>26000	4/20/12	SL 5/12	Both	Virtis Enhancement request: Coverplates on Both Surfaces of Flanges
Useability		11397	Enhancement	extensive	>26000	5/1/12		Both	Enhancement - Bridge Exchange
Technical		11685	Enhancement	extensive	>26000	7/3/12		BrR	using the interaction equations for tension and compression members in the Guide Specs for Truss (Section 1.8) with eccentric
Miss Function		11975	Enhancement	extensive	>26000	10/16/12		BrD	Request for Splice Analysis Enhancement
Behavior		12215	NET	extensive	>26000	2/27/13		Both	Question on Windows Authentication