



Steel Bridges
Design, Fabrication, Construction

Self-Paced Learning

PROGRAMME

Topic	Speaker
O QF WNG ONE	
1) Introduction	CISC
2) Code Overview	GG
3) Highway Bridge Loads	JM
4) Methods of Analysis	PK
5) Fabrication	PK
Discussion	All
O QF WNG TWO	
6) Brittle Fracture	GG
7) Design Process and Economics	PK
Discussion	All
O QF WNG THREE	
8) Fatigue	GG
9) Fracture Control Plan	GG
10) Design Example 1 - Straight Plate Girder	JM
Discussion	All
O QF WNG FOUR	
11) Wind and Seismic Load Effects	JM
12) Design Example 2 – Straight Box Girder	PK
Discussion	All
O QF WNG FIVE	
13) Design Example 3 - Curved Plate Girder	GG
14) Integral and Semi-Integral Abutments	JM
15) Bridge Bearings	PK
Discussion	All

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Topic	Speaker
O QF WNG SIX	
16) Design Example 4 – Curved Box Girder	JM
17) Precast slab with composite beams	PK
18) Durability	PK
Discussion	All
O QF WNG SEVEN	
19) Bridge Erection	PK
20) Aesthetics	TB
21) Pedestrian Bridges	TB
Discussion and Closure	All

GG- Gilbert Grondin

JM - Jim Montgomery

PK - Paul King

TB - Terri Meyer Boake