Influence of Skew Angle on Reinforced Concrete Slab Bridges

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#	Paper	IF	Citations
36	Influence of skew angle on live load moments in steel girder bridges. *Bridge Structures*, **2011**, 7, 151-163	0.7	3
35	Analytical Solution for Skewed Bridges. *Advanced Materials Research*, **2011**, 243-249, 1518-1521	0.5	1
34	Influence of Skew Angle on Continuous Composite Girder Bridge. *Journal of Bridge Engineering*, **2012**, 17, 617-623	2.7	18
33	Practical Approach for Estimating Distribution Factor for Load Rating: Demonstration on Reinforced Concrete T-Beam Bridges. *Journal of Bridge Engineering*, **2012**, 17, 652-661	2.7	11
32	Analysis and Design of Straight and Skewed Slab Bridges. *Journal of Bridge Engineering*, **2012**, 17, 289-301	2.7	21
31	Skewed concrete box girder bridge static and dynamic testing and analysis. *Engineering Structures*, **2012**, 39, 38-49	4.7	20
30	Finite-Element Analysis and Load Rating of Flat Slab Concrete Bridges. *Journal of Bridge Engineering*, **2013**, 18, 946-956	2.7	12
29	Analysis, Design and Construction of Two Extremely Skewed and Slender Post-Tensioned Concrete Bridges. *Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)*, **2013**, 23, 332-335	1	1
28	Critical Truck Loading Pattern to Maximize Live Load Effects in Skewed Integral Bridges. *Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)*, **2014**, 24, 265-274	1	4
27	Truck loading positions for maximum live load girder moment in skewed integral bridges. **2015**,		1
26	Seismic analysis of highway skew bridges with nonlinear soil–pile interaction. *Transportation Geotechnics*, **2015**, 3, 36-47	4	10
25	Seismic fragility analysis of skewed bridges in the central southeastern United States. *Engineering Structures*, **2015**, 83, 116-128	4.7	39
24	Nonlinear Seismic Response of Skewed Highway Bridges Subjected to Bidirectional Near-Fault Ground Motions. *Journal of Bridge Engineering*, **2017**, 22, 04017032	2.7	7
23	Finite element analysis of prestressed bridge decks using ultra high performance concrete. *Australian Journal of Civil Engineering*, **2017**, 15, 93-102	1.8	1
22	Vibration analysis of short skew bridges due to railway traffic using analytical and simplified models. *Procedia Engineering*, **2017**, 199, 3039-3046		1
21	Collapse test and moment capacity of the Ruytenschildt reinforced concrete slab bridge. *Structure and Infrastructure Engineering*, **2017**, 13, 1130-1145	2.9	10
20	Flexural response of skew-curved concrete box-girder bridges. *Engineering Structures*, **2018**, 163, 358-372	4.7	10

19	Incorporation of Skew Effects in Live-Load Distribution Factors Developed for Typical Integral Bridges. *Journal of Bridge Engineering*, **2018**, 23, 04017135	2.7	2
18	A Finite Segment Method for Skewed Box Girder Analysis. *Mathematical Problems in Engineering*, **2018**, 2018, 1-13	1.1	2
17	Predictive Modelling of RC Skew Slabs: Collapse Load. *Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)*, **2019**, 29, 443-452	1	3
16	Behaviour and analysis of ultra high performance fibre reinforced concrete (UHPFRC) skew slabs. *Engineering Structures*, **2019**, 199, 109588	4.7	5
15	Response of a Composite-Adjacent Box Beam Bridge with Skewed Beams under Static and Quasi-Static Loads. *Journal of Performance of Constructed Facilities*, **2019**, 33, 04019022	2	3
14	Analytical and simplified models for dynamic analysis of short skew bridges under moving loads. *Advances in Structural Engineering*, **2019**, 22, 2076-2088	1.9	4
13	Parametric study on skew-curved RC box-girder bridges. *Structures*, **2020**, 28, 380-388	3.4	2
12	Investigation of Cracks Observed on a Skewed Bridge Constructed Using Self-Propelled Modular Transporters. *Journal of Performance of Constructed Facilities*, **2020**, 34, 04020098	2	2
11	Parametric Study on the Structural Behavior and Failure Mechanism of Skewed Inverted-T Bent Caps. *Journal of Bridge Engineering*, **2020**, 25, 04020092	2.7	3
10	Parametric Study on the Applicability of AASHTO LRFD for Simply Supported Reinforced Concrete Skewed Slab Bridges. *Infrastructures*, **2021**, 6, 88	2.6	1
9	Behaviour of simply supported RC skew slabs stiffened with shallow beams. *Advances in Structural Engineering*, 136943322110220	1.9	
8	Effect of Nonstructural Elements on Lateral Load Distribution and Rating of Slab and T-Beam Bridges. *Journal of Bridge Engineering*, **2021**, 26, 04021063	2.7	1
7	Flexural load-rating of slab-on-girder bridges by nonlinear proxy finite-element analysis. *Journal of Structural Integrity and Maintenance*, **2021**, 6, 209-222	1.5	
6	Field Load Rating and Grillage Analysis Method for Skewed Steel Girder Highway Bridges. *Journal of Bridge Engineering*, **2021**, 26, 05021013	2.7	2
5	A nondestructive method for load rating of bridges without structural properties and plans. *Engineering Structures*, **2018**, 171, 545-556	4.7	6
4	Comparison of load rating of reinforced concrete slab bridge using analytical and field testing approaches. *Innovative Infrastructure Solutions*, **2022**, 7, 1	2.3	1
3	Structural performance and analysis of asymmetrically skewed and curved ultra-high performance fibre reinforced concrete slabs. *Engineering Structures*, **2021**, 113574	4.7	0
2	Application of CFRP in Concrete Culvert Bridges. *Lecture Notes in Civil Engineering*, **2022**, 527-537	0.3	

1	Field investigations on distressed highly skewed multi-cell reinforced concrete bridge.	0