

ATLSS Reports

Written by Administrator

Tuesday, 22 March 2011 07:29 - Last Updated Thursday, 21 January 2016 12:28

ATLSS Reports are posted in the Lehigh Preserve Digital Library at the following link:

[ATLSS Report on the Digital Preserve](#)

ReportTitle	Authors	Year
86-01: Selecting a Tool for Building Knowledge-Based Systems	G. Mikroudis, J. Wilson	
86-02: Proposed Usage of BFI (Bridge Fatigue Investigator)	S. Chen, J. Wilson	
86-03: A Hardware and Software Review of AI Engineering Workstations	K. Werkman, D. Hillman, J. Wilson	
87-01: Knowledge-Based Expert Systems in Civil Engineering at Lehigh University	S. Chen, J. Wilson, G. Mikroudis	
87-02: Semi-Rigid Steel Connections and Their Effects on Structural Steel Frames	R. Fleischman, L. Beech	
87-03: Forces In Beam-to-column Connections	G. Driscoll, K. Heaton, R. Fleischman	
87-04: A Survey of Robotics Technology in Construction	M. Groover, D. Perreira, C. Dias	
87-05: Technical Information Center for Steel Structures (TICSS)	F. Harvey, G. Stewart, L. Beech	
87-06: Technical Information Center for Steel Structure (TICSS), Operational Guide	M. Groover, F. Harvey	
87-07: Mechanical Property characterization of A588 Steel Plates and Welds	R. Dias, R. Varughese	
87-08: The Fracture Behavior of A588 Grade A and A572 Grade 50 Welds	R. Dias, R. Varughese	

ATLSS Reports

Written by Administrator

Tuesday, 22 March 2011 07:29 - Last Updated Thursday, 21 January 2016 12:28

- 87-09: The Effect of Fabrication Operations on the Strength and Toughness of A530, S355, and S460 Steel
Inessa Argente, Sve Bølliger, A. Kaufmann, R. Stout, A. Perreira
- 87-11: A Study of the Weldability of MIL-A-12560 Armor Steel
E. Kaufmann, R. Stout, A. Perreira
- 88-01: Economic Profile of the Large Structural Systems Industry
D. Veshosky, C. Beidleman
- 88-02: 1988 Research Program Summary
J. Bower
- 88-03: Cracking and Toughness Problems in Jumbo Rolled Sections: On the Basis of a Case Study
D.W. Fisher, and V. Pedace, E.J. McElroy
- 88-04: Report to the Pennsylvania Tank Collapse Task Force on the Failure of the SAH and OHS
J. Bower, S. Alameddine, S. P. F. Smith
- 88-05: The Effect of Fabrication Operations on the Strength and Toughness of A530, S355, and S460 Steel
Inessa Argente, Sve Bølliger, A. Kaufmann, R. Stout, A. Perreira
- 88-06: A Chamfered Connection for Use in Automated Framing of Buildings
Vinh Nguyen, N. Perreira
- 88-07: The Corrosion Coulometer – A New Corrosion Monitor for Steel Structures
Stu White, H. Leidheiser, Jr.
- 88-08: A Knowledge-Based Surrogate Consultant System for Fatigue and Fracture Evaluation of Steel Structures
S.S. Fatur, E. Wilson, J.W. Fisher
- 88-09: Innovations in Construction Finance
C.R. Beidleman, D. Veshosky
- 88-10: Managing the Complexities of Project Finance
C.R. Beidleman, D. Fletcher,
- 88-11: Building up of Pseudo-Dynamic Structural Testing Systems
S-J. Chen, L-W. Lu
- 88-12: Characteristics of the Market for Project Finance
C.R. Beidleman, D. Veshosky
- 89-01: A Survey of Localized Cracking in Steel Bridges 1981 to 1988
C.E. Demers, J.W. Fisher
- 89-02: Fatigue of Bridge Structures: A Commentary and Guide for Design
J.W. Fisher, B. Taylor, D. Wang

ATLSS Reports

Written by Administrator

Tuesday, 22 March 2011 07:29 - Last Updated Thursday, 21 January 2016 12:28

- 91-07: Fatigue Behavior of Stringer-Floorbeam Connections B. Yen, Y. Zhou, D. Wang, J.
- 91-08F:Economic Analysis of the Domestic Bridge Market A.O'Brien
- 92-01: Fatigue Reliability and Redundancy in Two-Girder Steel Highway Bridges S. Bickler, J.H. Daniels
- 92-02: A Study of Aluminum-Lithium Solidification Using Acoustic Emission Techniques D. H. Teh, H. W. Lee
- 92-03: A Communication Scheme for Cooperative Computing Systems S. Wong, J. Wilson
- 92-04: Resistance of Welded Details Under Variable Amplitude Long Life Fatigue A. Haslinger, P.
- 92-05: Connections For Building Structures in the 21st Century, Proceedings of the ATLSS Workshop J. Bower
- 92-06: Evaluation of Mechanical Properties of Welded TMCP Jumbo Sections S. Kausmann, J. Fisher
- 92-07: An Empirical Study of the Deterioration of American Bridges C. Beidleman, D. Veshosky, C.
- 92-08: Design and Construction Information Systems at the ATLSS Center S. Wagaman, J. Wilson
- 92-09: A Modular Software Package for Real-Time Actuator Control in Structural Testing S. D. Durrant, M. Kaczinski, S.
- 92-10: Unknown Unknown
- 92-11: Product and Process Models for Computer Integrated Preliminary Structural Design J. Sadowski, R. D. Sigge
- 92-12: Structural Evaluation of Riveted Spillway Gates J. Bower, M. Kaczinski
- 92-13: Abrasive Water Jet Particle Dispersion Characterization and Material Removal Simulation G. Sathyanarayana
- 92-14: Residual Strength and Grout Repair of Dented Offshore Tubular Racks T. Gillum, W. Lamp

ATLSS Reports

Written by Administrator

Tuesday, 22 March 2011 07:29 - Last Updated Thursday, 21 January 2016 12:28

94-03: Resource Constrained Project Scheduling Using Local Search in Parallel Space ~~ReStorer~~

94-02: Unknown

Unknown

94-01: Fatigue Strength of Electrogas Welds in Double-Hull Construction ~~M~~ Kaczinski, E. Kaufmann

95-01: ASME Post-Weld Heat Treating Practices: An Interpretative Report ~~Co~~ Spaeder, W. Doty

95-02: A Progress and Accomplishment Report to the National Science Foundation ~~F~~ Bower

95-03: Pseudo Dynamic Testing for Rigid Structural Specimens, Phase III ~~H~~ Aktan, A. Nayef

95-04: ATLSS Studies on Chemical Composition and Processing of High Pressure Steels ~~H~~ Cross, R. Straus

95-05: 1994 Research Project Summaries

J. Bower, J. Wilson

95-06: Experimental Evaluation of the Behavior of Spirally-Reinforced High-Strength Concrete Columns ~~A~~ Fick, S. Ghossein

95-07: A/D Conversion Using Oversampling Converters for a Fatigue Data Processing (FDP) System ~~S~~ Saegrov, W. King

95-08: Optimum Weld-Metal Strength for High-Strength Steel Structures ~~E~~ Dexter, M. Ferrell

95-09: Ultrasonic Investigation of Floor Anchor Plate Welds to Determine Shear Capacity ~~F~~ Shear

95-10: Components of Structural Systems in Steel and Precast Concrete ~~C~~ Farschman, S. Slaughter

96-01: Residual Strength and Repair of Damaged and Deteriorated Offshore Structures ~~A~~ Berge, S. C

96-02: Residual Strength and Repair of Damaged and Deteriorated Offshore Structures ~~A~~ Berge, S. C

96-03: Fatigue Strength of a Double-Hull Tanker Web Frame Detail M. Kaczinski, R. Dexter

ATLSS Reports

Written by Administrator

Tuesday, 22 March 2011 07:29 - Last Updated Thursday, 21 January 2016 12:28

96-04: Failure Analysis of Welded Moment-Resisting Frames Damaged in the Northridge Earthquake
E. J. Kim, R. H. Norris, R. E. Erdem, R. H. Norris, R. E. Erdem

96-05: 1995 Research Project Summaries
J. Bower, ed

96-06: Experimental Evaluation of the Axial Load Behavior of Tied High-Strength Concrete Columns
W. S. Hsu, H. C. Pessiki

96-07: Preassembly of Structural Systems: Methodology and Application
On Farschman, S. Slaughter

96-08: Optimization of an 80/100 KSI Yield-Strength High-Performance Bridge Steel
A. M. Gross, R. Stout

96-09: Evaluation of Ductile Fracture Models for Ship Structural Details
M. Gentilcore, R. Dexter, D.

96-10-01: ATLSS Precast Concrete Systems: Review of Existing Systems and New Concepts
J. K. Wallace, W. D. DeBel

96-10-02: ATLSS Precast Concrete Systems: Design Methodology and Performance Evaluation
E. K. Maniara, F. Lu, B. V.

96-11: ATLSS Strain Gage Conditioners: Operation, Specifications, and Use
C. Higgins

96-12: Performance of Advanced Weld Processes for Double-Hull Ship Construction
E. Kaufmann

96-13: Design and Behavior of High Performance Steel I-Girders with Composite Webs
N. Sause, S. Mu

96-14: Final Report on The Effect of PWHT on HAZ Hardness in A516 Steel
E. Schermers, D. Lu

97-01: Jominy End-Quench-Test Characteristics of a High-Hardenability Steel
A. M. Gross, R. Stout, T. Toth

97-02: 1996 Research Project Summaries
J. Bower

97-03: ATLSS Precast Concrete Systems: Design Examples and Seismic Analysis
L-W. Lu, B. V.

ATLSS Reports

Written by Administrator

Tuesday, 22 March 2011 07:29 - Last Updated Thursday, 21 January 2016 12:28

- 97-04: Williamsburg Bridge: Orthotropic Deck Fatigue Test, M. Kaczinski, P. Luggner, J. Fisher, P. Stokes
- 97-05: Evaluation of Alternative Methods for Fire Rating Structural Elements, R. Dexter, K. Gibb
- 97-06: Integrated Design Product and Process Model for Building Frame Structures, R. Sause, C. Schuster
- 97-07: Rehabilitation of RC Columns Using Fiber Reinforced Polymer Composite Jackets, R. Sause, C. Schuster, K. Gibb
- 97-08: Unknown Unknown
- 97-09: Fatigue Performance of Repair Welds B. Kelly, R. Dexter
- 97-10: Copper-Nickel High Performance 70W/100W Bridge Steels - Part 1, Dawson, J. Gross, R. Stout
- 97-11: A Fatigue Primer for Structural Engineers J.W. Fisher, G.L. Kulak, Ian Fisher
- 97-12: Unknown Unknown
- 97-13: Repair of Dented Tubular Columns - Whole Column Approach J. Ricles, W. Bruin, T. Sooi
- 97-14: Real-Time Testing and Analysis of a Full-Scale Viscoelastically Damped Steel Frame, D. Hing, S. Krawinkler
- 97-15: Design, Analysis, and Application of Bolted Semi-Rigid Connections for Moment Resisting Frames, A. Nayak, M. Krawinkler
- 98-01: Confinement Effectiveness of High Strength Spiral Reinforcement in Concrete, B. Gray, S. Desai
- 98-02: Copper-Nickel High-Performance 70W/100W Bridge Steels - Part 1, Gross, R. Stout, H. Dawson
- 98-03: Fatigue Related Wind Loads on Highway Support Structures K. Johns, R. Dexter

ATLSS Reports

Written by Administrator

Tuesday, 22 March 2011 07:29 - Last Updated Thursday, 21 January 2016 12:28

- 98-04: Williamsburg Bridge Replacement Orthotropic Deck As-Built Full-Scale Fatigue Testing W. B. Tester, J. Fisher
- 98-05: Flexural Strength and Ductility of HPS-100W Steel I-Girders L. Fahnestock, R. Sause
- 98-06: Fatigue Testing and Failure Analysis of Aluminum Luminaire Support Structures R. Dexter
- 98-07: Evaluation of the Effects of Diaphragm Offset at Panel Point 67E. C. Othman, S. L. Fisher
- 98-08: Unknown Unknown
- 98-09: Solution Methods for the Dynamic Response of Structures with Viscoelastic Materials J. Escobar, M. Pineda
- 98-10: Experimental Behavior of High-Strength Square CFT Columns A. Varma, J. Ricles, R. Sause
- 99-01: Lateral Load Behavior and Design of Unbonded Post-Tensioned Concrete Beams F. Perez, S. Pessiki, V. Saito
- 99-02: Williamsburg Bridge Replacement Orthotropic Deck As-Built Full-Scale Fatigue Testing W. B. Tester, J. Fisher
- 99-03: Measurements and Assessment of Structural Members in Selected Open-Flange Steel Truss Structures J. A. Ricles, S. L. Fisher
- 99-04: Minimum Weight HPS Bridge I-Girders: Influence of Design Parameters on Fabrication Costs G. Ellis, R. Sause
- 99-05: Development of Control Hardware and Software for a Large-Scale Bridge Model M. S. Housner, S. L. Fisher, S. G. Dyke
- 99-06: Results of Field Measurements on the Williamsburg Bridge Orthotropic Deck R. Ojima, J. Fisher
- 99-07: Development of an Improved HPS 70W Structural Steel H. Dawson, J. Gross, R. Stout
- 99-08: Effect of Copper on the Properties of Cu-Ni Structural Steels H. Dawson, J. Gross, R. Stout
- 99-09: Effect of Nickel on the Properties of Cu-Ni Structural Steels H. Dawson, J. Gross, R. Stout

ATLSS Reports

Written by Administrator

Tuesday, 22 March 2011 07:29 - Last Updated Thursday, 21 January 2016 12:28

00-10: Application of Stainless and Stainless-Clad Reinforcing Bars in Highway, Colorado, Fisher, B.

01-01: Results of Field Measurements on the Williamsburg Bridge Orthotropic Deck, Fisher Report of

01-02: Unknown Unknown

01-03: Evaluation of Weldability and Corrosion Performance of Welds in AL-6XN, Superdetroit, St.

01-04: Fatigue Resistance of Large Welded AL-6XN Stainless Steel Components, Fisher, B. with McCreary,

01-05: Unknown Unknown

01-06: Development of a Fume Control System for Welding AL-6XN Superdetroit Stainless Steel

01-07: Unknown Unknown

01-08: Unknown Unknown

01-09: Structural Integrity Assessment of Corrosion-Damaged Offshore Tubular Brackets Subjected to

01-10: Evaluation of a Production Heat of an Improved Cu-Ni 70W/100W Brass, R. Stout

01-11: Experimental Study of the Attenuation of Acoustic Emission Signals in Welded Steel Structures

01-12: Experimental Investigation of Precast Prestressed Concrete Inverted Tee Girders with Multiple

01-13: Characterization of Cyclic Inelastic Strain Behavior On Properties of A572 Gr B50 and A513A

01-14: Report on Field Measurements and Assessment of the I-64 Kaniwa River Bridge at Dunbar

ATLSS Reports

Written by Administrator

Tuesday, 22 March 2011 07:29 - Last Updated Thursday, 21 January 2016 12:28

- 01-15: Proposed Specification for an HPS 100W Cu-Ni Age-Hardening ASTM A 709 Grade Bridge Steel
ASTM A 709 Grade
- 01-16: The Effect of Straightening Method on the k Area Loading Behavior of Rolled I-Beams
E. Kuffner, C. Fisher
- 01-17: A Large Scale Ship Hull and Deck Structure Test Fixture
I. Hodgson, R. Sause, S. Pes
- 02-01: Report on Field Measurements and Controlled Load Testing on the Howarth Bridge (794), Milwaukee
R. Chou, R. Fisher
- 02-02: Behavior of Internally Stiffened Webs for Bridge Girders Using High Performance Steel
R. Abbas, S. Saus
- 02-03: Development of an Improved HPS-100W Steel for Bridge Application
Cross, R. Stout
- 02-04: Compressive Strength of AL-6XN Stainless Steel Plates and Box Columns
W. Ricles, P. Therdp
- 02-05: Fatigue Resistance Investigation for the Orthotropic Deck on the Breakwater Bridge
B. Fraaij, W. Stoebe
- 02-06: Unknown
Unknown
- 02-07: Field Measurements and Controlled Load Testing on the Lehighton Bridge (SR 109), Joplin
R. Chou, R. Fisher
- 02-08: Analytical Investigation of Assumptions used to Design the SR B3 Santiago River Bridge
B. Fraaij, W. Stoebe
- 02-09: Unknown
Unknown
- 02-10: Report on Field Inspection, Assessment, and Analysis of Floorbeam Connections Cracking on
R. Chou, R. Fisher
- 03-01: Variable Amplitude Fatigue Resistance of AL-6XN Steel I-Beams with Welded Attachments
B. Fraaij, W. Stoebe
- 03-02: Evaluation of Two Joint Designs for Hybrid Ship Hull Construction of AL-6XN, SA-516 Steel
G. A. Lesko, S. R. Claes
- 03-03: REU 2002 Program Report
C. Naito

ATLSS Reports

Written by Administrator

Tuesday, 22 March 2011 07:29 - Last Updated Thursday, 21 January 2016 12:28

- 03-19: Corrugated Web Girder Fabrication R. Sause
- 03-20: Fatigue Resistance of Corrugated Web Girders R. Sause, H. Abbas, R. Drive
- 03-21: Bearing Stiffeners and Field Splices for Corrugated Web Girders R. Sause, T. Clarke
- 03-22: I-Girders with Flange Rotational Restraint Braces R. Sause, Z. Fan, C. Ellis, B-
- 03-23: REU Report 2003 C. Naito, R. Connor
- 03-24: State of the Art of Analytical Prediction for Confined Concrete F. Cetisli and C.J. Naito
- 03-25: Field Instrumentation and Monitoring of Eyebars within the South Reach Anchorage of the Walt R. Sause, T. Clarke, H. Abbas, R. Drive
- 03-26: Panting Fatigue Resistance of AL-6XN Stainless Steel Single-Cell Box Girders Fisher, B. Yen, S. Chellur, J. Gross
- 03-27: Laboratory Investigation of Glass Fiber Reinforced Polymer Bridge Naito, C. Naito, B. Beir, F. Gross, S. Chellur
- 03-28: Field Instrumentation and Long-Term Monitoring of the FRP Bridge Dugby, D. B. S. Gross, C. Naito
- 03-29: Addendum to Weldability Evaluation of Cu-Ni HPS 100W Bridge R. Sause, J. Gross
- 04-01: Fatigue Resistance of Repaired and Treated AL-6XN Stainless Steel Welded Details B. Yen, S. Chellur, J. Gross
- 04-02: Experimental and Analytical Study of a Retrofitted Pin and Hanger Bridge B. Webb, I. Hodgson
- 04-03: Results of Field Measurements Made On the Prototype Orthotropic Deck of the Bronx-White R. Sause, T. Clarke, H. Abbas, R. Drive
- 04-04: Results of Field Monitoring Prototype Floorbeam Connection Retrofits of the Birkby R. Sause, T. Clarke, H. Abbas, R. Drive

ATLSS Reports

Written by Administrator

Tuesday, 22 March 2011 07:29 - Last Updated Thursday, 21 January 2016 12:28

- 04-05: Development and Evaluation of Mems Transducers for Acoustic Emission Sensing of Material Damage
D. Ozturk, S. Pessia, M. G. ...
- 04-06: Finite Element Modeling of Residual Stress and Distortion in Steel Steel Welded Structures
H. Nishida
- 04-07: Behavior and Design of Precast Prestressed Inverted Tee Girders with Multiple Web Openings
T. W. ...
- 04-08: Fatigue Behavior and Resistance of an AL-6XN Steel Cellular Box Girder
J. Fisher, B. Yen, ...
- 04-09: Ambient Vibration Monitoring and Forced Vibration Testing of the Housatonic Bridge
C. ...
- 04-10: Nondestructive Evaluation of Concrete Strength in the Precast Plant Using Resonance Impact-Echo
S. ...
- 04-11: Experimental and Analytical Lateral Load Response of Unbonded FRP Reinforced Precast
S. ...
- 04-12: Flexural Strength and Ductility of Highway Bridge I-Girders Fabricated from HSS 100W Steel
R. ...
- 04-13: Development of Seismic Guidelines for Deep-Column Steel Moment-Resisting Joints
L-W. Lu, ...
- 04-14: Dynamic Testing of Carbon Fiber Skin / Foam Core Sandwich Panels with Peel Stoppers
P. ...
- 04-15: Behavior of Various Designs for Composites-to-Steel Joints
J. Grenestedt
- 04-16: Application of 3D Image Correlation Photogrammetry and Classification Algorithms to the
S. ...
- 04-17: Friction Stir Welds In Al-6xn Steel – Microstructural Characterization and Behavior
S. ...
- 04-18: Rectangular Tubular Flange Girders with Corrugated and Flat Webs
R. Sause
- 04-19: Refined Inelastic Truss Bar Element (Type 01) with Isotropic Hardening for 3D
S. ...
- 04-20: ATLAS of Transformation Characteristics for Precipitation-Strengthened
S. ...

ATLSS Reports

Written by Administrator

Tuesday, 22 March 2011 07:29 - Last Updated Thursday, 21 January 2016 12:28

- 04-21: Failure Analysis of the US 422 Girder Fracture E. Kaufmann, R. Connor, J. P. ...
- 04-22: Laboratory and Field Fatigue Investigation of Cantilevered Sign Structures in the ... R. Hodgson, S. ...
- 04-23: Panting Fatigue of AL-6XN Steel Box Girders D. Paterson, J. Fisher, B. Yer ...
- 04-24: Failure Investigation of Two Cantilevered Sign Structures in the ... R. ...
- 05-01: Field Monitoring Prototype Retrofits of Floorbeam Connections in the ... R. ...
- 05-02: Field Testing and Fatigue Evaluation of the I-79 Bridge over the ... R. ...
- 05-03: Comparative Performance of High Early Strength and Self Compacting Concrete for ... R. ...
- 05-04: Results of the Fatigue Evaluation and Field Monitoring of the I-39 Northbound ... R. ...
- 05-05: Experimental and Numerical Development of the core-Drilling Method for ... R. ...
- 05-06: Evaluation of Real-Time Pseudodynamic Testing Algorithms for ... R. ...
- 05-07: Unknown Unknown
- 05-08: Blast Assessment of Load Bearing Reinforced Concrete Shear Walls K. ...
- 05-09: Horizontal Shear Capacity of Composite Concrete Beams With ... R. ...
- 05-10: Evaluation of Bond Mechanics in Prestressed Concrete Application Tate, C. Naito
- 05-11: Development of Compositions of Cu-Ni High-Performance Steels with Yield ... R. ...

ATLSS Reports

Written by Administrator

Tuesday, 22 March 2011 07:29 - Last Updated Thursday, 21 January 2016 12:28

05-12: Unknown	Unknown
05-13: RTMD Servo Hydraulic System Acceptance Test	X. Zhang, J. Ricles
05-14: Unknown	Unknown
05-15: High Performance Steel Girders with Tubular Flanges	B.-G. Kim, R. Sause
05-16: U.S. – Taiwan Workshop on Self-Centering Structural Systems	J. Ricles, K-C. Tsai
05-17: Capacitive Mems Transducers for Acoustic Emission Testing of DMG Levels, and Structure Opp	D. Ozcelik, S. Piskin
05-18: Fabrication of Ferrous Metallic Foams by Reduction of Ceramic AF and Pore, R. Grenestedt,	A. Van Doorn, R. Grenestedt,
05-19: Vierendeel Steel Truss / Composite Skin Hull Test	J. Grenestedt, R. Sause
05-20: Unknown	Unknown
05-21: Field Study of the SR 1045 Hares Hill Road Bridge over French Creek in Oldham County, PA	H. Mahim, Oldham County, PA
05-22: Unknown	Unknown
05-23: Unknown	Unknown
05-24: Compressive Strength of AL-6XN Stainless Steel Triple-Cell Box Columns	M. Ricles, P. Thero
06-01: Analytical and Large-Scale Experimental Studies of Earthquake-Resistant Buckling Restraint	L. F. Santos, B. King, B. Restaini
06-02: Evaluation of a Proposed Composition of CU-Ni HPS – 1210W Steel	J. Goss, R. Stout

ATLSS Reports

Written by Administrator

Tuesday, 22 March 2011 07:29 - Last Updated Thursday, 21 January 2016 12:28

- 06-03: Development of a Seismic Design Methodology for Precast Diaphragms WIPAGE, L. SCUMMA
Chang, W. P.
- 06-04: Box-Column Hull Girder Strength Under Combined Compression and Shear Fikes
L. W. D. S.
- 06-05: Evaluation of Displacements and Stresses in Horizontally Curved Beams Kim, J. Wilson
B. B.
- 06-06: Approaches to the Fort Duquesne Bridge Retrofit of Fatigue and Fracture Details J. Connor, H
C. F.
- 06-07: Results of Field Measurements of the Pearl Harbor Memorial Bridge in 1976 S. V. Meagher, B.
H. G.
- 06-08: TCS Twister Connector Universal Form Clamp Company In-Place Repair W. Peter, J. Creek
C. N.
- 06-09: TCHD Twister Connector Universal Form Clamp Company In-Place Repair W. Peter, J. Creek
C. N.
- 06-10: Box-Column Hull Girder Strength under combined Compression and Shear Fikes – Param
L. W. D. S.
- 06-11: The Lateral Torsional Buckling Strength of Steel I-Girders with Corrugated Webs
C. Y. G.
- 06-12: Report on Field Measurements and Uncontrolled Load Testing of the Lehigh River Bridge (S
B. T.
- 06-13: Forensic Evaluation of Prestressed Box Beams from the Lake View Drive Causeway Bridge
V. M. D. R. S.
- 06-14: Expanded Applications for Cu-Ni Precipitation-Strengthened Steels D. Stout, J.H. Gross
E. S.
- 06-15: Load Carrying Capacity of Steel Orthotropic Deck Panel with Transverse Tapes
W. P. Z. B. T. Y.
- 06-16: Development of Data Model for Large-Scale Structural Experiments G. H. C. H. L. Marullo, P. Brya
G. H. C. H. L.
- 06-17: Instrumentation, Field Testing, and Fatigue Evaluation of Selected Approach Spans
H. M. A. S. P.
- 06-18: Number withdrawn. 2006

ATLSS Reports

Written by Administrator

Tuesday, 22 March 2011 07:29 - Last Updated Thursday, 21 January 2016 12:28

06-19: Analytical Investigation of Fire Loads for Precast Concrete parking Structures, S.P. Pessiki, J. Stavrou

06-20: User's Guide for Hybrid-Viz: A Visualization Tool for Real-Time Global Testing, Q. Mercan, T. M. G. Vaidyanathan

06-21: 2006 Summer Research Experience for Undergraduate Program, A. Kusko

06-22: Erector Connector Meadow Burke Company In-Plane Performance, A. Naito

06-23: Analytical Investigation of Steel Column Fire Tests, B-J. Lee, S. Pessiki, M. Kohn

06-24: Analytical Evaluation of Restraint Mechanisms in Precast Concrete Slab-Column-Tie Beam System, M. O. Dastgir, S. Pessiki, S. Yeh

06-25: An Analytical Study of the Fire Load Behavior of Steel Building Columns with Embedded Steel Deck, K. Kwon, S. Pessiki, B. S. Lee

06-26: Unknown, Unknown

06-27: Local Buckling Analysis of Trapezoidal Rib Orthotropic Bridge Deck Systems, D. K. Wilson, W-C. J. Lee

06-28: Unknown, Unknown

07-01: Study of Two-Span Continuous Tubular Flange Girder Demons Back Bridge, R. Sause

07-02: Behavior of Horizontally Curved Steel Tubular-Flange Bridge Girders, R. Sause

07-03: Investigation of the Impact of Environmental Conditions on Field. W. Zeng, P. C. Nanni, R. Sause

07-04: PCI / NSF – Development of a Design Methodology for Precast Concrete Deck Girders, R. Sause

07-05: Unknown, Unknown

07-06: Evaluation of Concrete Cracking in the Lyman Run State Park Dam, M. G. Sirtori, R. Hodgson, C. J. Wilson

ATLSS Reports

Written by Administrator

Tuesday, 22 March 2011 07:29 - Last Updated Thursday, 21 January 2016 12:28

08-10: Development of the Incremental Core-drilling Method for Non-Destructive Investigation of Steel Deck Connections
Design Res. Co. Natl.

08-11: DUCON Constituent Material Characterization and Structural Design Res. Co. Natl.

08-12: Analytical Investigation of Fire Loads for Steel-Framed, Open-Deck Park Buildings
Design Res. Co. Natl.

08-13: Evaluation Methodology for Precast Concrete Diaphragm Connections Based on Ren Structural T
Design Res. Co. Natl.

08-14: Universal Form Clamp Company Next Generation Twister Connection Performance
Design Res. Co. Natl.

08-15: Unknown

Unknown

09-01: Field Testing of the Orthotropic Deck on the Bronx-Whitestone Bridge
Hodgson, C. Bowman

09-02: In-Plane And Out-Of-Plane Performance Of The Universal Building Method "Bullhorn" Connection
Design Res. Co. Natl.

09-03: Field Testing and Fatigue Evaluation of the Shippingport Bridge, Shippingport, PA
Hodgson, C. Bowman

09-04: Strength of Transverse Fillet Welds at Elevated and Post-Elevated Temperatures
Design Res. Co. Natl.

09-05: In-Plane and Out-of-Plane Performance of the MINI-MC Flange Connection
Design Res. Co. Natl.

09-06: Evaluation of Transverse Reinforcement Requirements for Reinforced Concrete Bridge Piers
Design Res. Co. Natl.

09-07: Concrete Deck Cracking Investigation SR309 over Church Road, Hodgson, C. Bowman

09-08: HybridFEM: A program for nonlinear dynamic time history analysis
Design Res. Co. Natl.

09-09: Inspection Methods & Techniques to Determine Non Visible Corrosion of Steel
Design Res. Co. Natl.

ATLSS Reports

Written by Administrator

Tuesday, 22 March 2011 07:29 - Last Updated Thursday, 21 January 2016 12:28

09-10: Inspection Methods & Techniques to Determine Non Visible Corrosion of Prestressing Steel
C. Naito, L. Dastous, H. Guan

09-11: Implementation of Deterioration Elements in OpenSEES for Corrosion Simulation
K. Kawas, S. Tani, R. Sicles J.M.,

10-01: Bond Performance of Sprayed Fire Resistive Material (SFRM) on Steel Plates Subjected to
N. Saeed, P. Ples

10-02: Unknown Ruirui Ren

10-03: Seismic Performance of Sprayed Fire Resistive Material (SFRM) on Steel Moment Resisting Frame
J. Lee, S. Park

10-04: Unknown Wes Keller

10-05: Unknown Eric Putnam

10-06: Unknown Brent Chancellor

10-07: Unknown Brent Chancellor

10-08: Evaluation Of Cracked Tie Plates On The Bridge Carrying Sr422 Over The Schockhorn, RE K6
D. Naito, T. C. Shogkhn, R. E. K6

10-09: Unknown David Roke

10-10: Unknown Sougata Roy

10-11: Improved Corrosion Resistant Steel for Highway Bridge Construction
J. Gross, R. Stout, D. Cook, J

10-12: Cyclic Testing of Beam-to-Column Assembly Connected with Side Plate FRAMe@Steel, Florida
S. D. D. R. A. M. E. C. S. P. E. I. M.

10-13: Cyclic Testing of Beam-to-Column Assembly Connected with Side Plate FRAMe@Steel, Florida
S. D. D. R. A. M. E. C. S. P. E. I. M.

ATLSS Reports

Written by Administrator

Tuesday, 22 March 2011 07:29 - Last Updated Thursday, 21 January 2016 12:28

10-14: Cyclic Testing of Beam-to-Column Assembly Connected with Slotted FRAP™ Special

10-15: Fatigue and Static Testing of Shear Key Details for the Tindall Wood Turbine Base

10-16: Unknown

SPP, Jessica

14-01: [Designing and Detailing Post Tensioned Bridges to Accommodate Non-Destructive Evaluation](#)
C. Cercone, C. Naito, J. Corvea, S. Pessiki, W. Keller, S. Pakzad