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

**ATLSS Report on the Digital Preserve**

<table>
<thead>
<tr>
<th>Report</th>
<th>Title</th>
<th>Authors</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>86-01</td>
<td>Selecting a Tool for Building Knowledge-Based Systems</td>
<td>G. Mikroudis, J. Wilson</td>
<td>1986</td>
</tr>
<tr>
<td>86-02</td>
<td>Proposed Usage of BFI (Bridge Fatigue Investigator)</td>
<td>S. Chen, J. Wilson</td>
<td>1986</td>
</tr>
<tr>
<td>87-01</td>
<td>Knowledge-Based Expert Systems in Civil Engineering at Lehigh University</td>
<td>S. Chen, J. Wilson, G. Mikroudis</td>
<td>1987</td>
</tr>
<tr>
<td>87-02</td>
<td>Semi-Rigid Steel Connections and Their Effects on Structural Steel Fasteners</td>
<td>C. Chasten, R. Fleischman, L-W. Lu, G. Driscoll</td>
<td>1987</td>
</tr>
<tr>
<td>87-03</td>
<td>Forces In Beam-to-column Connections</td>
<td>G. Driscoll, K. Heaton, R. Fleischman</td>
<td>1987</td>
</tr>
<tr>
<td>87-05</td>
<td>Technical Information Center for Steel Structures (TICSS)</td>
<td>F. Harvey, G. Stewart, L. Beedle</td>
<td>1987</td>
</tr>
<tr>
<td>87-06</td>
<td>Technical Information Center for Steel Structure (TICSS), Operator's Guide</td>
<td>F. Harvey</td>
<td>1987</td>
</tr>
<tr>
<td>87-07</td>
<td>Mechanical Property characterization of A588 Steel Plates and Weldments</td>
<td>A. Pense</td>
<td>1987</td>
</tr>
<tr>
<td>87-08</td>
<td>The Fracture Behavior of A588 Grade A and A572 Grade 50 Weldments</td>
<td>C. Robino, R. Dias, R. Varughese</td>
<td>1987</td>
</tr>
<tr>
<td>Year</td>
<td>Report Number</td>
<td>Title</td>
<td>Authors</td>
</tr>
<tr>
<td>------</td>
<td>---------------</td>
<td>----------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>87</td>
<td>09</td>
<td>The Effect of Fabrication Operations on the Strength and Toughness of A808 Steel</td>
<td>R. Varughese, W. Bolliger, A. Pense</td>
</tr>
<tr>
<td>87</td>
<td>11</td>
<td>A Study of the Weldability of MIL-A-12560 Armor Steel</td>
<td>E. Kaufmann, R. Stout, A. Pense</td>
</tr>
<tr>
<td>88</td>
<td>01</td>
<td>Economic Profile of the Large Structural Systems Industry</td>
<td>D. Veshosky, C. Beidleman</td>
</tr>
<tr>
<td>88</td>
<td>02</td>
<td>1988 Research Program Summary</td>
<td>J. Bower</td>
</tr>
<tr>
<td>88</td>
<td>03</td>
<td>Cracking and Toughness Problems in Jumbo Rolled Sections:</td>
<td>J.W. Fisher, A.W. Pense, E.J. Kaufmann</td>
</tr>
<tr>
<td>88</td>
<td>04</td>
<td>Report to the Pennsylvania Tank Collapse Task Force on the Failure of the Ashland Oil Storage Tank</td>
<td>J.E. Bower, S.M. Merchant, R.N. Weisman, J.D. Wood</td>
</tr>
<tr>
<td>88</td>
<td>05</td>
<td>The Effect of Fabrication Operations on the Strength and Toughness of A710 Steel – Phase 1</td>
<td>R. Varughese, W. Bolliger, E. Kaufmann, W-F. Qin, A. Pense, R. Stout</td>
</tr>
<tr>
<td>88</td>
<td>06</td>
<td>A Chamfered Connection for Use in Automated Framing of Buildings</td>
<td>V. Nguyen, N. Perreira</td>
</tr>
<tr>
<td>88</td>
<td>07</td>
<td>The Corrosion Coulometer – A New Corrosion Monitor for Steel Structures</td>
<td>M.L. White, H. Leidheiser, Jr.</td>
</tr>
<tr>
<td>88</td>
<td>08</td>
<td>A Knowledge-Based Surrogate Consultant System for Fatigue and Fracture Evaluation of Steel Bridges</td>
<td>S.S. Chen, J.L. Wilson</td>
</tr>
<tr>
<td>88</td>
<td>09</td>
<td>Innovations in Construction Finance</td>
<td>C.R. Beidleman, D. Veshosky</td>
</tr>
<tr>
<td>88</td>
<td>10</td>
<td>Managing the Complexities of Project Finance</td>
<td>C.R. Beidleman, D. Fletcher</td>
</tr>
<tr>
<td>88</td>
<td>11</td>
<td>Building up of Pseudo-Dynamic Structural Testing Systems</td>
<td>S-J. Chen, L-W. Lu</td>
</tr>
<tr>
<td>88</td>
<td>12</td>
<td>Characteristics of the Market for Project Finance</td>
<td>C.R. Beidleman, D. Veshosky</td>
</tr>
<tr>
<td>89</td>
<td>01</td>
<td>A Survey of Localized Cracking in Steel Bridges 1981 to 1988</td>
<td>C.E. Demers, J.W. Fisher</td>
</tr>
</tbody>
</table>
89-03: Executive Summary: Fatigue Cracking in Steel Bridge Structures

89-04: Unknown

89-05: Top and Seat Angle Connections and End Plate Connections: Behavior and Strength Under Monotonic and Cyclic Loading

89-06: Top and Seat Angle Connections and End Plate Connections: Snug vs Fully Pre-Tensioned Bolts

89-07: Overview of Research on Connection Technology at ATLSS Center

89-08: Unknown

89-09: Abrasive Waterjet Cutting: Experiments on Hollow-Core Concrete Slabs

89-10: Theoretical Noise Floor Analysis for Strain Gauge Measurements: A Preliminary Study

89-11: A Knowledge-Based System for the Evaluation of Beam-to-Column Connections

89-12: Unknown

89-13: After-Fracture Redundancy of Steel Bridges: A Review of Published Research

89-14: Selection Theory for Part Dimensions, Tolerances, and Equipment Precision: A Prelude to Automated Construction Systems

89-15: Crevice Corrosion Mechanism for 1018 Steel in Neutral, Acidic and Chloride Environments

89-16: Factors Affecting Competitiveness in International Construction: Results of a Survey

90-01: Vulnerability Assessment of Steel Highway Bridges: A Probabilistic Approach

90-02: Unknown
<table>
<thead>
<tr>
<th>Report No.</th>
<th>Title</th>
<th>Authors</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>90-03</td>
<td>Effects of Auxiliary Heat Treatment on Flame-Cutting Procedures</td>
<td>B.R. Somers, H. Smith, R. Varughese</td>
<td>1990</td>
</tr>
<tr>
<td>90-04</td>
<td>Feasibility Study of New Methods for Removing Rivets to Retrofit</td>
<td>J. Elston, T. Tonkay</td>
<td>1990</td>
</tr>
<tr>
<td>90-05</td>
<td>Design and Fabrication Problem-Solving Through Cooperative</td>
<td>K.J. Werkman, S.J. Wagaman, D.J. Hillman, M. Barone, J.L. Wilson</td>
<td>1990</td>
</tr>
<tr>
<td>90-06</td>
<td>External Reinforcement of Concrete Beams Using Fiber-Reinforced</td>
<td>D.A. Thomas, L.W. Lu, G.M. Connelly</td>
<td>1990</td>
</tr>
<tr>
<td>90-07</td>
<td>Distortion Induced Cracking in Steel Bridge Members</td>
<td>J.W. Fisher, J. Jin, D.C. Wagner</td>
<td>1990</td>
</tr>
<tr>
<td>91-01</td>
<td>Unknown</td>
<td>Unknown</td>
<td>1991</td>
</tr>
<tr>
<td>91-02</td>
<td>ATLSS Connections -- Concept, Development and Experimental</td>
<td>R. Fleischman, B. Viscomi, L. W. Lu, J. Viscomi</td>
<td>1991</td>
</tr>
<tr>
<td>91-03</td>
<td>Acoustic Emission From Flexed Concrete Beams Reinforced With Bonded Surface Plates</td>
<td>D. Henkel, J. Wood</td>
<td>1991</td>
</tr>
<tr>
<td>91-05</td>
<td>Comparative Effectiveness of Tightening Techniques for A490</td>
<td>J. Dahl, J. Wood</td>
<td>1991</td>
</tr>
<tr>
<td>Report No.</td>
<td>Title</td>
<td>Authors</td>
<td></td>
</tr>
<tr>
<td>-----------</td>
<td>----------------------------------------------------------------------</td>
<td>--------------------------------</td>
<td></td>
</tr>
<tr>
<td>91-07</td>
<td>Fatigue Behavior of Stringer-Floorbeam Connections</td>
<td>B. Yen, Y. Zhou, D. Wang, J.</td>
<td></td>
</tr>
<tr>
<td>91-08F</td>
<td>Economic Analysis of the Domestic Bridge Market</td>
<td>A. O'Brien</td>
<td></td>
</tr>
<tr>
<td>92-01</td>
<td>Fatigue Reliability and Redundancy in Two-Girder Steel Highway</td>
<td>J. H. Daniels</td>
<td></td>
</tr>
<tr>
<td>92-02</td>
<td>A Study of Aluminum-Lithium Solidification Using Acoustic Emission</td>
<td>D. Henkel, J. Wood</td>
<td></td>
</tr>
<tr>
<td>92-03</td>
<td>A Communication Scheme for Cooperative Computing Systems</td>
<td>S. Wong, J. Wilson</td>
<td></td>
</tr>
<tr>
<td>92-04</td>
<td>Resistance of Welded Details Under Variable Amplitude Long Life Fat</td>
<td>J. Fisher, A. Nussbaumer, P.</td>
<td></td>
</tr>
<tr>
<td>92-05</td>
<td>Connections For Building Structures in the 21st Century, Proceedings of the ATLSS Workshop</td>
<td>J. Bower</td>
<td></td>
</tr>
<tr>
<td>92-06</td>
<td>Evaluation of Mechanical Properties of Welded TMCP Jumbo</td>
<td>E. Kaufmann, J. Fisher</td>
<td></td>
</tr>
<tr>
<td>92-08</td>
<td>Design and Construction Information Systems at the ATLSS Center</td>
<td>S. Wagaman, J. Wilson</td>
<td></td>
</tr>
<tr>
<td>92-09</td>
<td>A Modular Software Package for Real-Time Actuator Control in Structural Testing</td>
<td>P. Damany, M. Kaczinski</td>
<td></td>
</tr>
<tr>
<td>92-10</td>
<td>Unknown</td>
<td>Unknown</td>
<td></td>
</tr>
<tr>
<td>92-12</td>
<td>Structural Evaluation of Riveted Spillway Gates</td>
<td>J. Bower, M. Kaczinski</td>
<td></td>
</tr>
<tr>
<td>92-13</td>
<td>Abrasive Water Jet Particle Dispersion Characterization and Material Removal Simulation</td>
<td>J. Cockman, G. Sathyanarayanan</td>
<td></td>
</tr>
<tr>
<td>92-14</td>
<td>Residual Strength and Grout Repair of Dented Offshore Tubular Bracing</td>
<td>J. Ricles, T. Gillum, W. Lamport</td>
<td></td>
</tr>
<tr>
<td>Year</td>
<td>Report ID</td>
<td>Title</td>
<td>Authors</td>
</tr>
<tr>
<td>------</td>
<td>-----------</td>
<td>----------------------------------------------------------------------</td>
<td>----------------------------------------------</td>
</tr>
<tr>
<td>1992</td>
<td>93-01</td>
<td>Seismic Performance of Composite Beam-Columns</td>
<td>J. Ricles, S. Paboojian</td>
</tr>
<tr>
<td>1993</td>
<td>93-02</td>
<td>Automated Construction and ATLSS Connections</td>
<td>D. Perreira, R. Fleischman, B. Viscomi</td>
</tr>
<tr>
<td>1993</td>
<td>93-03</td>
<td>Residual Strength of Damaged and Deteriorated Offshore Structures</td>
<td>A. Ostapenko, B. Wood, A. Chowdhury, M. Hebor</td>
</tr>
<tr>
<td>1993</td>
<td>93-05</td>
<td>Comparative Analysis of Bridge Deterioration Rates</td>
<td>D. Veshosky, C. Beidleman, G. Buetow, M. Demir</td>
</tr>
<tr>
<td>1993</td>
<td>93-07</td>
<td>Identification and Preliminary Assessment of Existing Precast Concrete Floor Framing Systems</td>
<td>R. Prior, S. Pessiki, R. Sause, S. Slaughter, W. vanZyverden</td>
</tr>
<tr>
<td>1993</td>
<td>93-08</td>
<td>1992 Research Project Summaries</td>
<td>Unknown</td>
</tr>
<tr>
<td>1993</td>
<td>93-10</td>
<td>Nondestructive Evaluation of In-Place Concrete Strength in Plate Structures</td>
<td>M. Johnson, S. Pessiki</td>
</tr>
<tr>
<td>1993</td>
<td>93-12</td>
<td>A Hypermedia Bridge Fatigue Investigator</td>
<td>S. Wagaman, J. Wilson, J. Fisher</td>
</tr>
<tr>
<td>1993</td>
<td>93-13</td>
<td>Dynamic System Modelling Techniques Applicable to Force-Controlled Stewart Platform Systems</td>
<td>D. Perreira, J. Lo</td>
</tr>
<tr>
<td>1993</td>
<td>93-15</td>
<td>Assessment of Construction Automation and Robotics</td>
<td>C. Higgins, S. Slaughter</td>
</tr>
</tbody>
</table>
93-16: Object-Oriented Structural Analysis Using Substructures  J. Song, R. Sause

94-17: Use of Braiding Technology to Improve Anchorage Systems for Non-Metallic Cables  B. Wildrick, S. Pessiki

94-16: Preliminary Simulation Models of the Fabrication and Erection of Steel Structures  M. Eraso, S. Slaughter


94-14: Strength and Ductility of Concrete Columns Reinforced by Fiber Composite Tubes  J. Kanatharana, L.W. Lu


94-12: Service Testing of the Corrosion Coulometer for Steel Structures  J.C. Wilson, R. Granata

94-11: Review and Analysis of Modular Construction Practices  M. De La Torre, R. Sause, S. Slaughter

94-10: Residual Strength and Repair of Corroded Marine Tubulars  M. Hebor, J. Ricles

94-09: Unknown  Unknown

94-08: Fracture Toughness of Electrogas Welds in Double-Hull Construction  E. Kaufmann, P. Xu, M. Kaczynski


94-06: Unknown  Unknown

94-05: Proposed Concepts for New Floor Framing Systems for Precast Concrete Office Buildings  W. van Zyverden, S. Pessiki, R. Sause, S. Slaughter

94-04: 1993 Research Project Summaries  J. Bower
94-03: Resource Constrained Project Scheduling Using Local Search in Problem Space
I. Park, S. Wu, R. Storer
1994

94-02: Unknown
Unknown
1994

94-01: Fatigue Strength of Electrogas Welds in Double-Hull Construction
M. Kaczinski, E. Kaufmann
1994

C. Spaeder, W. Doty
1995

95-02: A Progress and Accomplishment Report to the National Science Foundation
J. Fisher, J. Bower
1995

95-03: Pseudo Dynamic Testing for Rigid Structural Specimens, Phase II
H. Aktan, A. Nayef
1995

95-04: ATLSS Studies on Chemical Composition and Processing of High-Strength Steels
J. Ostapenko, T. Berger, S. Chambers, M. Hebor
1995

95-05: 1994 Research Project Summaries
J. Bower, J. Wilson
1995

95-06: Experimental Evaluation of the Behavior of Spirally-Reinforced Concrete Columns
A. Pieroni, S. Pessiki
1995

95-07: A/D Conversion Using Oversampling Converters for a Fatigue Data Processing (FDP) System
S. Segan, W. Li
1995

95-08: Optimum Weld-Metal Strength for High-Strength Steel Structures
R. Dexter, M. Ferrell
1995

95-09: Ultrasonic Investigation of Floor Anchor Plate Welds to Determine Shear Capacity
P. DeVere
1995

95-10: Components of Structural Systems in Steel and Precast Concrete
C. Farschman, S. Slaughter
1995

96-01: Residual Strength and Repair of Damaged and Deteriorated Off-Shell Structures
A. Ostapenko, T. Berger, J. Ostapenko, T. Berger
1996

96-02: Residual Strength and Repair of Damaged and Deteriorated Off-Shell Structures
A. Ostapenko, T. Berger, J. Ostapenko, T. Berger
1996

96-03: Fatigue Strength of a Double-Hull Tanker Web Frame Detail
M. Kaczinski, R. Dexter
1996
96-04: Failure Analysis of Welded Moment-Resisting Frames Damaged in the Northridge Earthquake

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

96-06: Experimental Evaluation of the Axial Load Behavior of Tied High-Strength Concrete Columns

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

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

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

96-10-01: ATLSS Precast Concrete Systems: Review of Existing Systems and New Conceptual Developments  
J. Kanatharana, L-W. Lu, B. Viscomi

96-10-02: ATLSS Precast Concrete Systems: Design Methodology and Performance Evaluation  
J. Kanatharana, L-W. Lu, B. Viscomi

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  
R. Sause, S. Murphy, M. Cortes, F. Perez

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

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

97-02: 1996 Research Project Summaries  
J. Bower

97-03: ATLSS Precast Concrete Systems: Design Examples and Seismic Analysis  
J. Kanatharana, L-W. Lu, B. Viscomi
97-04: Williamsburg Bridge: Orthotropic Deck Fatigue Test, M. Kaczinski, Stokes, P. Lugger, J. Fisher
97-06: Integrated Design Product and Process Model for Building Frame Structures, R. Sause
97-07: Rehabilitation of RC Columns Using Fiber Reinforced Polymer Composites, R. Sause
97-08: Unknown
97-09: Fatigue Performance of Repair Welds, B. Kelly, R. Dexter
97-10: Copper-Nickel High Performance 70W/100W Bridge Steels - Part I, H. Dawson, J. Gross, R. Stout
97-12: Unknown
97-14: Real-Time Testing and Analysis of a Full-Scale Viscoelastically Damped Steel Frame, C. Higgins, K. Kasai
97-15: Design, Analysis, and Application of Bolted Semi-Rigid Connections for Moment Resisting Frames, A. Mayangarum, K. Kasai
98-01: Confinement Effectiveness of High Strength Spiral Reinforcement in Prestressed Concrete, B. Graybeal, S. Pessiki
98-02: Copper-Nickel High-Performance 70W/100W Bridge Steels - Part II, J. Gross, R. Stout, H. Dawson
98-03: Fatigue Related Wind Loads on Highway Support Structures, K. Johns, R. Dexter
1. **98-04:** Williamsburg Bridge Replacement Orthotropic Deck As-Built Fatigue Test  
   Authors: N. Bocchieri, J. Fisher  
   Year: 1998

2. **98-05:** Flexural Strength and Ductility of HPS-100W Steel I-Girders  
   Authors: L. Fahnestock, R. Sause  
   Year: 1998

3. **98-06:** Fatigue Testing and Failure Analysis of Aluminum Luminaire Support Structures  
   Authors: K. Johns, R. Dexter  
   Year: 1998

4. **98-07:** Evaluation of the Effects of Diaphragm Offset at Panel Point 67E on the South Outer Roadway  
   Authors: R. Connor, J. Fisher  
   Year: 1998

5. **98-08:** Unknown  
   Authors: Unknown  
   Year: 1998

6. **98-09:** Solution Methods for the Dynamic Response of Structures with Viscoelastic Materials  
   Authors: J. Escobedo, J. Ricles  
   Year: 1998

7. **98-10:** Experimental Behavior of High-Strength Square CFT Columns  
   Authors: A. Varma, J. Ricles, R. Sause  
   Year: 1998

8. **99-01:** Lateral Load Behavior and Design of Unbonded Post-Tensioned Precast Concrete Walls with Ductile Vertical Joint Connectors  
   Authors: F. Perez, S. Pessiki, R. Sause  
   Year: 1999

9. **99-02:** Williamsburg Bridge Replacement Orthotropic Deck As-Built Full-Scale Fatigue Test  
   Authors: P. Tsakopoulos, J. Fisher  
   Year: 1999

10. **99-03:** Measurements and Assessment of Structural Members in Selected Spans of Amtrak's Susquehanna River Bridge  
    Authors: J. Bower, J. Fisher  
    Year: 1999

11. **99-04:** Minimum Weight HPS Bridge I-Girders: Influence of Design Parameters Affecting Fabrication and Construction Effort  
    Authors: C. Ellis, R. Sause  
    Year: 1999

12. **99-05:** Development of Control Hardware and Software for a Large-Scale Ship Hull and Deck Structure Test System  
    Authors: M. Stefens, S. Pessiki, R. Sause  
    Year: 1999

13. **99-06:** Results of Field Measurements on the Williamsburg Bridge Orthotropic Deck  
    Authors: R. Connor, J. Fisher  
    Year: 1999

14. **99-07:** Development of an Improved HPS 70W Structural Steel  
    Authors: H. Dawson, J. Gross, R. Stout  
    Year: 1999

15. **99-08:** Effect of Copper on the Properties of Cu-Ni Structural Steels  
    Authors: H. Dawson, J. Gross, R. Stout  
    Year: 1999

16. **99-09:** Effect of Nickel on the Properties of Cu-Ni Structural Steels  
    Authors: H. Dawson, J. Gross, R. Stout  
    Year: 1999
99-10: Measurements and Assessment of Stresses in Structural Members of the Saw Mill Run Bridge, Pittsburgh, PA
J. Fisher, J. Bower, R. Connor, Z. Ma

99-11: Behavior of Internally Stiffened Webs for Bridge Girders Using High Performance Steel
R. Driver, H. Abbas, R. Sause, L. Fahnestock

99-12: Design of High Strength Spiral Reinforcement for Prestressed Concrete Piles
S. Pessiki, M. Mudlock

99-14: Effect of Columbium on the Properties of Cu-Ni Structural Steels
R. Stout, J. Gross, F. Kachele

99-15: Tubular Columns with Multiple Corrosion Patches
A. Ostapenko, O. Gulec

99-16: Dynamic Tension Tests of Simulated Welded Beam Flange Connections (SAC Task 7.05)
J. Ricles, C. Mao, E. Kaufmann

00-01: Measurements and Assessment of Structural Members on the Ogdensburg, NY - Prescott, ONT Bridge
J. Bower, R. Connor, R. Longenbach, Z. Ma

00-02: Effect of Copper on the Aging Characteristics of Cu-Ni Structural Steels
J. Gross, R. Stout

00-03: In-Service Stresses in 132 TW Miter Rails at Train Speeds up to 90 mph at AMTRAK's Portal Swing Bridge
J. Bower, R. Connor, R. Longenbach, Z. Ma

00-04: SAC Task 7.05 - Inelastic Cyclic Analysis and Testing of Full-Scale Welded Unreinforced Flange Connections
J. Ricles

00-05: Effects on Heat Treatment and Alloy Additions on the Suitability of Cu-Ni Structural Steel for 70W Applications
J. Gross, R. Stout

00-06: Results of Field Instrumentation and Testing of the Newark Monorail Guideway Structure
R. Connor, F. Stokes

00-07: Experimental Evaluation of the Composite Behavior of Precast Concrete Sandwich Wall Panels
Chiconie, T., Tremblay, R., Massicotte, B., Ricles, J., Lu, L-W

00-08: Innovative HPS-70W Ford City Bridge Demonstration Project: Improved Weldability Using Optimized Weld Metal Strength
E. Kaufmann, A. Pense

00-09: Test Program on Partially Encased Built-up Composite Column Members
Chiconie, T., Tremblay, R., Massicotte, B., Ricles, J., Lu, L-W
<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>00-10</td>
<td>Application of Stainless and Stainless-Clad Reinforcing Bars in Highway Construction</td>
<td>J. Bower, L. Friedersdorf, B. Neuhart, A. Marder, A. Juda</td>
</tr>
<tr>
<td>01-01</td>
<td>Results of Field Measurements on the Williamsburg Bridge Orthotropic Deck, Final Report on Phase III</td>
<td>R. Connor, J. Fisher</td>
</tr>
<tr>
<td>01-02</td>
<td>Unknown</td>
<td>Unknown</td>
</tr>
<tr>
<td>01-03</td>
<td>Evaluation of Weldability and Corrosion Performance of Welds in AL6XN Superaustenitic Stainless Steel</td>
<td>J. DuPont, L. Friedersdorf, A. Marder, S. Banovic</td>
</tr>
<tr>
<td>01-04</td>
<td>Fatigue Resistance of Large Welded AL-6XN Stainless Steel Confined with Fillet and Groove</td>
<td>J. Fisher, B. Yen, X. Cheng, E. Kaufmann, B. Metrovich, Z. Ma</td>
</tr>
<tr>
<td>01-05</td>
<td>Unknown</td>
<td>Unknown</td>
</tr>
<tr>
<td>01-06</td>
<td>Development of a Fume Control System for Welding AL-6XN Stainless Steels</td>
<td>H. Caram, N. Turkmen</td>
</tr>
<tr>
<td>01-07</td>
<td>Unknown</td>
<td>Unknown</td>
</tr>
<tr>
<td>01-08</td>
<td>Unknown</td>
<td>Unknown</td>
</tr>
<tr>
<td>01-09</td>
<td>Structural Integrity Assessment of Corrosion-Damaged Offshore Tubular Braces Subjected to Inelastic Cyclic Loading</td>
<td>D. Paterson, J. Ricles</td>
</tr>
<tr>
<td>01-10</td>
<td>Evaluation of a Production Heat of an Improved Cu-Ni 70W/100W Steel</td>
<td>J. Gross, R. Stout</td>
</tr>
<tr>
<td>01-11</td>
<td>Experimental Study of the Attenuation of Acoustic Emission Signals in Welded Stainless Steel Structures</td>
<td>J. Mayrosh, S. Pessiki</td>
</tr>
<tr>
<td>01-12</td>
<td>Experimental Investigation of Precast Prestressed Concrete Inverted Tee Girders with Multiple Web Openings</td>
<td>J. Thompson, S. Pessiki</td>
</tr>
<tr>
<td>01-13</td>
<td>Characterization of Cyclic Inelastic Strain Behavior On Properties of A572 Gr. 50 and A913 Gr. 50 Rolled Sections</td>
<td>E. Kaufmann, B. Metrovich, A. Pense</td>
</tr>
<tr>
<td>01-14</td>
<td>Report on Field Measurements and Assessment of the I-64 Kanawha River Bridge at Dunbar, West Virginia</td>
<td>R. Connor, J. Fisher</td>
</tr>
</tbody>
</table>
01-15: Proposed Specification for an HPS 100W Cu-Ni Age-Hardening Bridge Steel

01-16: The Effect of Straightening Method on the k Area Loading Behavior of Rolled Column Sections

01-17: A Large Scale Ship Hull and Deck Structure Test Fixture

02-01: Report on Field Measurements and Controlled Load Testing on the Hoan Bridge (I-794), Milwaukee, Wisconsin

02-02: Behavior of Internally Stiffened Webs for Bridge Girders Using High Performance Steel

02-03: Development of an Improved HPS-100W Steel for Bridge Applications

02-04: Compressive Strength of AL-6XN Stainless Steel Plates and Box Columns

02-05: Fatigue Resistance Investigation for the Orthotropic Deck on the Bronx-Whitestone Bridge

02-06: Unknown

02-07: Field Measurements and Controlled Load Testing on the Lehigh River Bridge

02-08: Analytical Investigation of Assumptions used to Design the SR 33 Lehigh River Bridge

02-09: Unknown

02-10: Report on Field Inspection, Assessment, and Analysis of Floorbeam Connection Cracking on the Birmingham Bridge - Pittsburgh, PA

03-01: Variable Amplitude Fatigue Resistance of AL-6XN Steel I-Beams with Welded Attachments

03-02: Evaluation of Two Joint Designs for Hybrid Ship Hull Construction using GRP and Stainless Steel

03-03: REU 2002 Program Report
03-04: Effect of Surface Active Flux on the Microstructure and Properties of GTA Welds on AL-6XN
H. Snow, J. DuPont

03-05: Development of a Precast Prestressed Concrete Three-Wythe Wall Panel
S. Pessiki, B-J. Lee

03-06: Development of the Characteristic Section Method to Estimate Stress Values for Precast Concrete Wall Panels
S. Pessiki, Y-J. Lee

03-07: Theoretical Development of the Core-Drilling Method for Non-destructive Evaluation of Stresses in Reinforced Concrete Structures
S. Pessiki, H. Turker

03-08: Residual Stress Measurements in AL-6XN Stainless Steel Welded Beams
X. Cheng, J. Fisher, H. Prask

03-09: Susceptibility of AL-6XN Gas Tungsten Arc Weldments to Localized Corrosion
L. Friedersdorf, K. Luer

03-10: Unknown

03-11: Microstructural Characterization of a Double-sided Friction Stir Welded Super-austenitic AL-6XN Stainless Steel
S. Klingensmith, M. Watanabe, J. DuPont, M. Perricone, S. Para, A. Marder

03-12: Alleviation of Welding Fume Generation by Metal Temperature Control During Arc Welding of AL-6XN Stainless Steel
H. Caram, N. Turkmen, H. Bilirgen, G. Viecco

03-13: Weldability Evaluation of Cu-Ni HPS 100W Bridge Steel
R. Stout, J. Gross

03-14: Fatigue Crack Growth Behavior of Austenitic Weld Metals
C. Kusko, J. DuPont, A. Marc

03-15: Fatigue Resistance of AL-6XN Stainless Steel Weldments

03-16: Field Instrumentation and Analysis of New TBTA Variable Speed Limit Sign Installations of the Throgs Neck Bridge
I. Hodgson, R. Connor

03-17: Field Instrumentation and Analysis of Prototype and Existing Light Poles on the Bronx-Whitestone Bridge
I. Hodgson, R. Connor

03-18: Corrugated Web Girder Shape and Strength Criteria
R. Sause, H. Abbas, W. Was
<table>
<thead>
<tr>
<th>Date</th>
<th>Title</th>
<th>Authors</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>03-19</td>
<td>Corrugated Web Girder Fabrication</td>
<td>R. Sause</td>
<td>2003</td>
</tr>
<tr>
<td>03-20</td>
<td>Fatigue Resistance of Corrugated Web Girders</td>
<td>R. Sause, H. Abbas, R. Driver</td>
<td>2003</td>
</tr>
<tr>
<td>03-21</td>
<td>Bearing Stiffeners and Field Splices for Corrugated Web Girders</td>
<td>R. Sause, T. Clarke</td>
<td>2003</td>
</tr>
<tr>
<td>03-23</td>
<td>REU Report 2003</td>
<td>C. Naito, R. Connor</td>
<td>2003</td>
</tr>
<tr>
<td>03-25</td>
<td>Field Instrumentation and Monitoring of Eyebars within the Southeast Anchorage of the Walt Whitman Bridge</td>
<td>R. Connor, I. Hodgson</td>
<td>2003</td>
</tr>
<tr>
<td>03-26</td>
<td>Panting Fatigue Resistance of AL-6XN Stainless Steel Single-Cell Box Girders</td>
<td>J. Fisher, B. Yen, S. Roy</td>
<td>2003</td>
</tr>
<tr>
<td>03-27</td>
<td>Laboratory Investigation of Glass Fiber Reinforced Polymer Bridge Connection Details</td>
<td>C. Naito, R. Connor</td>
<td>2003</td>
</tr>
<tr>
<td>03-28</td>
<td>Field Instrumentation and Long-Term Monitoring of the FRP Bridge over Dubois Creek</td>
<td>I. Hodgson, R. Connor</td>
<td>2003</td>
</tr>
<tr>
<td>03-29</td>
<td>Addendum to Weldability Evaluation of Cu-Ni HPS 100W Bridge Steel</td>
<td>R. Stout, J. Gross</td>
<td>2003</td>
</tr>
<tr>
<td>04-02</td>
<td>Experimental and Analytical Study of a Retrofitted Pin and Hanger Bridge</td>
<td>R. Connor, B. Webb, I. Hodgson</td>
<td>2004</td>
</tr>
<tr>
<td>04-03</td>
<td>Results of Field Measurements Made On the Prototype Orthotropic Deck on the Bronx-Whitestone Bridge</td>
<td>R. Connor, J. Fisher</td>
<td>2004</td>
</tr>
<tr>
<td>04-04</td>
<td>Results of Field Monitoring Prototype Floorbeam Connection</td>
<td>R. Connor, J. Fisher</td>
<td>2004</td>
</tr>
</tbody>
</table>
04-05: Development and Evaluation of Mems Transducers for Acoustic Emission Testing of Materials and Structures

D. Ozevin, S. Pessiki, D. Greve, I. Oppenheim

2004

04-06: Finite Element Modeling of Residual Stress and Distortion in Stainless Steel Welded Structures with Multiple Web Openings

H. Nied

2004

04-07: Behavior and Design of Precast Prestressed Inverted Tee Girders with Multiple Web Openings

J. Thompson, S. Pessiki

2004

04-08: Fatigue Behavior and Resistance of an AL-6XN Steel Cellular Box Girder


2004

04-09: Ambient Vibration Monitoring and Forced Vibration Testing of the Brooklyn Bridge

I. Hodgson, R. Connor, C. Bowman

2004

04-10: Nondestructive Evaluation of Concrete Strength in the Precast Plant Using the Impact-Echo Method

D. Irwin, S. Pessiki

2004

04-11: Experimental and Analytical Lateral Load Response of Unbonded Post-Tensioned Precast Concrete Walls

F. Perez, S. Pessiki, R. Sause

2004

04-12: Flexural Strength and Ductility of Highway Bridge I-Girders Fabricated from HPS-100W Steel

E. Salem, R. Sause

2004

04-13: Development of Seismic Guidelines for Deep-Column Steel Moment Connections

X. Zhang, J. Ricles, L-W. Lu, J. Fisher

2004

04-14: Dynamic Testing of Carbon Fiber Skin / Foam Core Sandwich Panels with Peel Stoppers

J. Grenestedt

2004

04-15: Behavior of Various Designs for Composites-to-Steel Joints

J. Grenestedt

2004

04-16: Application of 3D Image Correlation Photogrammetry and Classical Photogrammetry to the Core-Drilling Method for Measuring In-Situ Stresses in Concrete Structures

M. McGinnis, S. Pessiki, H. Turker

2004

04-17: Friction Stir Welds In Al-6xn Steel – Microstructural Characterization

S. Klingensmith, A. Marder, J. DuPont

2004

04-18: Rectangular Tubular Flange Girders with Corrugated and Flat Webs

M. Wimer, R. Sause

2004

04-19: Refined Inelastic Truss Bar Element (Type 01) with Isotropic Hardening for Drain-2DX-Element Description and User Guide

L. Fahnestock, R. Sause, J. Ricles

2004

04-20: ATLAS of Transformation Characteristics for Precipitation-Strengthened Cu-Ni Infrastructure Steels

J. Gross, G. Stolz
<table>
<thead>
<tr>
<th>Year</th>
<th>Report Date</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>2004</td>
<td>04-21</td>
<td>Failure Analysis of the US 422 Girder Fracture</td>
<td>E. Kaufmann, R. Connor, J. Fisher</td>
</tr>
<tr>
<td>2004</td>
<td>04-22</td>
<td>Laboratory and Field Fatigue Investigation of Cantilevered Sign</td>
<td>I. Hodgson, R. Connor, J. Hall, C. Bowman</td>
</tr>
<tr>
<td>2004</td>
<td>04-23</td>
<td>Panting Fatigue of AL-6XN Steel Box Girders</td>
<td>D. Paterson, J. Fisher, B. Yen</td>
</tr>
<tr>
<td>2004</td>
<td>04-24</td>
<td>Failure Investigation of Two Cantilevered Sign Structures in the City</td>
<td>R. Connor, H. Mahmoud</td>
</tr>
<tr>
<td>2005</td>
<td>05-01</td>
<td>Field Monitoring Prototype Retrofits of Floorbeam Connections</td>
<td>H. Mahmoud, R. Connor</td>
</tr>
<tr>
<td>2005</td>
<td>05-03</td>
<td>Comparative Performance of High Early Strength and Self Consolulating</td>
<td>C. Naito, G. Brunn, G. Parent, T. Tate</td>
</tr>
<tr>
<td>2005</td>
<td>05-04</td>
<td>Results of the Fatigue Evaluation and Field Monitoring of the I-39</td>
<td>R. Connor, H. Mahmoud, C. Bowman</td>
</tr>
<tr>
<td>2005</td>
<td>05-05</td>
<td>Experimental and Numerical Development of the core-Drilling Method</td>
<td>M. McGinnis, S. Pessiki</td>
</tr>
<tr>
<td>2005</td>
<td>05-07</td>
<td>Unknown</td>
<td>Unknown</td>
</tr>
<tr>
<td>2005</td>
<td>05-08</td>
<td>Blast Assessment of Load Bearing Reinforced Concrete Shear Walls</td>
<td>K. Wheaton, C. Naito</td>
</tr>
<tr>
<td>2005</td>
<td>05-09</td>
<td>Horizontal Shear Capacity of Composite Concrete Beams With</td>
<td>M. Walsh, D. DesRavoux, G. Walsh, J. Gross</td>
</tr>
<tr>
<td>2005</td>
<td>05-10</td>
<td>Evaluation of Bond Mechanics in Prestressed Concrete Applications</td>
<td>T. Tate, C. Naito</td>
</tr>
<tr>
<td>2005</td>
<td>05-11</td>
<td>Development of Compositions of Cu-Ni High-Performance Steels With</td>
<td>R. Siby, Y. Dobber</td>
</tr>
<tr>
<td>Date</td>
<td>Title</td>
<td>Authors</td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>-------</td>
<td>---------</td>
<td></td>
</tr>
<tr>
<td>05-12</td>
<td>Unknown</td>
<td>Unknown</td>
<td></td>
</tr>
<tr>
<td>05-13</td>
<td>RTMD Servo Hydraulic System Acceptance Test</td>
<td>X. Zhang, J. Ricles</td>
<td></td>
</tr>
<tr>
<td>05-14</td>
<td>Unknown</td>
<td>Unknown</td>
<td></td>
</tr>
<tr>
<td>05-15</td>
<td>High Performance Steel Girders with Tubular Flanges</td>
<td>B.-G. Kim, R. Sause</td>
<td></td>
</tr>
<tr>
<td>05-16</td>
<td>U.S. – Taiwan Workshop on Self-Centering Structural Systems</td>
<td>J. Ricles, K-C. Tsai</td>
<td></td>
</tr>
<tr>
<td>05-17</td>
<td>Capacitive Mem Transducers for Acoustic Emission Testing of Materials and Structures</td>
<td>D. Ozevin, S. Pessiki, I. Oppenheim, D. Greve</td>
<td></td>
</tr>
<tr>
<td>05-18</td>
<td>Fabrication of Ferrous Metallic Foams by Reduction of Ceramic Foam Precursors</td>
<td>A. Verdooren, J. Grenestedt, H. Caram, H. Chan, M. Harmer</td>
<td></td>
</tr>
<tr>
<td>05-19</td>
<td>Vierendeel Steel Truss / Composite Skin Hull Test</td>
<td>J. Grenestedt, R. Sause</td>
<td></td>
</tr>
<tr>
<td>05-20</td>
<td>Unknown</td>
<td>Unknown</td>
<td></td>
</tr>
<tr>
<td>05-21</td>
<td>Field Study of the SR 1045 Hares Hill Road Bridge over French Creek in Chester County, PA</td>
<td>H. Mahmoud, R. Connor</td>
<td></td>
</tr>
<tr>
<td>05-22</td>
<td>Unknown</td>
<td>Unknown</td>
<td></td>
</tr>
<tr>
<td>05-23</td>
<td>Unknown</td>
<td>Unknown</td>
<td></td>
</tr>
<tr>
<td>05-24</td>
<td>Compressive Strength of AL-6XN Stainless Steel Triple-Cell Box Columns</td>
<td>M. Ricles, P. Therdphithakvanij, S. Jang</td>
<td></td>
</tr>
<tr>
<td>06-01</td>
<td>Analytical and Large-Scale Experimental Studies of Earthquake-Resistant Braced Frame Systems</td>
<td>L. Fahnestock, R. Sause, J. Ricles</td>
<td></td>
</tr>
<tr>
<td>06-02</td>
<td>Evaluation of a Proposed Composition of CU-Ni HPS – 1210W</td>
<td>R. Stout</td>
<td></td>
</tr>
</tbody>
</table>
06-03: Development of a Seismic Design Methodology for Precast Diaphragms

06-04: Box-Column Hull Girder Strength Under Combined Compression and Shear Forces

06-05: Evaluation of Displacements and Stresses in Horizontally Curved Beams

06-06: Approaches to the Fort Duquesne Bridge Retrofit of Fatigue and Fracture Details

06-07: Results of Field Measurements of the Pearl Harbor Memorial Bridge

06-08: TCS Twister Connector Universal Form Clamp Company In-Plane Performance

06-09: TCHD Twister Connector Universal Form Clamp Company In-Plane Performance

06-10: Box-Column Hull Girder Strength under combined Compression and Shear Forces – Parametric Study

06-11: The Lateral Torsional Buckling Strength of Steel I-Girders with Corrugated Webs

06-12: Report on Field Measurements and Uncontrolled Load Testing of the Lehigh River Bridge (SR-33)

06-13: Forensic Evaluation of Prestressed Box Beams from the Lake View Drive over I-70 Bridge

06-14: Expanded Applications for Cu-Ni Precipitation-Strengthened Steels

06-15: Load Carrying Capacity of Steel Orthotropic Deck Panel with Tapered Longitudinal Girder

06-16: Development of Data Model for Large-Scale Structural Experiments at the National Institute of Standards and Technology

06-17: Instrumentation, Field Testing, and Fatigue Evaluation of Selected Approach Bridges in the CTI

06-18: Number withdrawn.
06-19: Analytical Investigation of Fire Loads for Precast Concrete parking Structures
   J.L. Bayreuther, S.P. Pessiki
   2006

   G. Valencia, O. Mercan, T. Marullo, J. Ricles
   2006

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

06-22: Erector Connector Meadow Burke Company In-Plane Performance
   C. Naito
   2006

06-23: Analytical Investigation of Steel Column Fire Tests
   B-J. Lee, S. Pessiki, M. Kohno
   2006

06-24: Analytical Evaluation of Restraint Mechanisms in Precast Concrete Double Tee Floor Systems Subjected to Fire Loading
   N. Okasha, S. Pessiki, B-J. Lee
   2006

   K. Kwon, S. Pessiki, B.J. Lee
   2006

06-26: Unknown
   Unknown
   2006

06-27: Local Buckling Analysis of Trapezoidal Rib Orthotropic Bridge Deck Systems
   M. Yarnold, J. Wilson, W-C. Jen, B.Yen
   2006

06-28: Unknown
   Unknown
   2006

07-01: Study of Two-Span Continuous Tubular Flange Girder Demonstration Bridge
   B-G. Kim, R. Sause
   2007

07-02: Behavior of Horizontally Curved Steel Tubular-Flange Bridge Girders
   Z. Fan, R. Sause
   2007

07-03: Investigation of the Impact of Environmental Conditions on Field Welded Precast Concrete Connections
   J. Zimpfer, C. Naito, R. Sause, E. Kaufmann
   2007

07-04: PCI / NSF – Development of a Design Methodology for Precast Concrete Diaphragms: Connector Performance Phase 1B
   C. Naito, R. Ren, C. Jones, T. Cullen
   2007

07-05: Unknown
   Unknown
   2007

07-06: Evaluation of Concrete Cracking in the Lyman Run State Park Dam
   D. McGinnis, I. Hodgson, C. Trautner, S. Pessiki
   2007
07-07: Static and Seismic Analysis of a Retrofitted Single-Tower Concrete Cable-Stayed Bridge in China
B. Li, Y. Zhang

07-08: Uniaxial Tensile Testing of Superelastic CuAlBe Wires at Cold Temperatures
Y. Zhang, J. Camilleri, S. Zhu

07-09: Seismic analysis and design of steel concentrically braced frames with self-centering friction dampers
S. Zhu, Y. Zhang

07-10: Web Cracking Repair Design for Bridge SR 46-3020-00200000 on US 202 in Montgomery County, PA
S. Roy, B. Yen, C. Bowman

07-11: Unknown
Unknown

07-12: Erector Connector Meadow Burke Company In-Plane and Out-of-Plane Performance
I. Hodgson, C. Naito, F. Stokes

07-13: Analytical Investigation of Systematic Increases in Column Section and Insulation Thickness on the Axial Load Capacity of Steel Building Columns in Fire
A. Thewis, S. Pessiki, M. McGinnis

08-01: Unknown
Unknown

08-02: Implementation and Validation of the NEES Hybrid Simulation Infrastructure at Lehigh University's RTMD Facility
T. Marullo, C. Chen, J. Cao, J. Ricles

08-03: Multiple-Vehicle Fire Loads for Precast Concrete Parking Structures
S. Pessiki, K. Strenchock

08-04: Field Testing and Evaluation of Electroslag Welds on the Commodore Barry Bridge
I. Hodgson, B. Yen, C. Bowman

08-05: J. Kovach, C. Naito
2008

08-06: Inspection Methods & Techniques to Determine Non Visible Corrosion of Prestressing Strands in Concrete Bridge Components: Task 1 – Literature Review
C. Naito, J. Warncke

08-07: An Experimental Study on Buckling of Vanadium Steel Members With Single or Double Angle Cross-Sections
A. Candas, R. Sause, J. Ricles

08-08: In-plane and Out-of-plane performance of the MC-Flange Connector
C. Naito, R. Hendricks

08-09: PCI/NSF Development Of A Design Methodology For Precast Concrete Half Span Bridges
C. Naito, D. Pianella
08-10: Development of the Incremental Core-drilling Method for Non-Destructive Investigation of Stresses in Concrete Structures

08-11: DUCON Constituent Material Characterization and Structural Design Recommendations

08-12: Analytical Investigation of Fire Loads for Steel-Framed, Open-Deck Parking Structures

08-13: Evaluation Methodology for Precast Concrete Diaphragm Connectors based on Structural Testing

08-14: Universal Form Clamp Company Next Generation Twister Connector Performance

08-15: Unknown

09-01: Field Testing of the Orthotropic Deck on the Bronx-Whitestone Bridge

09-02: In-Plane And Out-Of-Plane Performance Of The Universal Building Products “Bullhorn” Connector

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

09-04: Strength of Transverse Fillet Welds at Elevated and Post-Elevated Temperatures

09-05: In-Plane and Out-of-Plane Performance of the MINI-MC Flange Connector

09-06: Evaluation of Transverse Reinforcement Requirements for Reinforced Concrete Bridge Piers in Seismic Regions: Literature Review and Recommendations

09-07: Concrete Deck Cracking Investigation SR309 over Church Road, Montgomery County, PA

09-08: HybridFEM: A program for nonlinear dynamic time history analysis of structures in Hybrid Time and Frequency Domains

09-09: Inspection Methods & Techniques to Determine Non Visible Corrosion of Prestressing Strands
09-10: Inspection Methods & Techniques to Determine Non Visible Corrosion of Prestressing Strands in Concrete Bridge Components, Task 3 - Forensic Evaluation and Rating Methodology
C. Naito, L. Jones, I. Hodgson
2009

09-11: Implementation of Deterioration Elements in OpenSEES for Collapse Simulation Studies J.M., K.
apas Simichard, B.
apas Simichard
2009

10-01: Bond Performance of Sprayed Fire Resistant Material (SFRM) on Steel Plates Subjected to Tensile Loading
N. Leo, S. Pessiki
2010

10-02: Unknown
Ruirui Ren
2010

10-03: Seismic Performance of Sprayed Fire Resistant Material (SFRM) on Steel Moment Frame Buildings
N. Leo, S. Pessiki
2010

10-04: Unknown
Wes Keller
2010

10-05: Unknown
Eric Putnam
2010

10-06: Unknown
Brent Chancellor
2010

10-07: Unknown
Brent Chancellor
2010

10-08: Evaluation Of Cracked Tie Plates On The Bridge Carrying Sr422 Over The Schuylkill River Cumru Township, Berks County PA, BMS ID 06-0422-0440-0638 C. Naito, I.C. Hodgson, E. Kaufman
2010

10-09: Unknown
David Roke
2010

10-10: Unknown
Sougata Roy
2010

10-11: Improved Corrosion Resistant Steel for Highway Bridge Construction
J. Gross, R. Stout, D. Cook, J. Roberts, K. Arico, M. Conrad
2010

10-12: Cyclic Testing of Beam-to-Column Assembly Connected with SidePlate FRAME® Special Moment Frame Connections - Test Specimens 1A, 2A, and 2B I. Hodgson, E. Tahmasebi, J. Ricles
2010

10-13: Cyclic Testing of Beam-to-Column Assembly Connected with SidePlate FRAME® Special Moment Frame Connection - Test Specimen 2C I. Hodgson, E. Tahmasebi, J. Ricles
2010
| 10-14: | Cyclic Testing of Beam-to-Column Assembly Connected with SidePlate FRAME® Special Moment Frame Connections - Test Specimens 1B and 3 |
| 10-15: | Fatigue and Static Testing of Shear Key Details for the Tindall Tower Turbine Base |
| 10-16: | Unknown |
| 14-01: | Designing and Detailing Post Tensioned Bridges to Accommodate Non-Destructive Evaluation |