

REFERENCES

- AASHTO (2010). **Standard Specifications for Transportation Materials and Methods of Sampling and Testing, Parts I and II**. 30th Edition, American Association of State Highway and Transportation Officials, Washington, D.C.
- AASHTO M 31M/M 31-07 **Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement**, American Association of State Highway and Transportation Official, Publication Date: Jan 1, 2007
- AASHTO M 145-91 **Standard Specification for Soil-Aggregate Mixtures for Highway Construction Purposes**, American Association of State Highway and Transportation Official, Publication Date: Jan 1, 2008.
- AGA (2006). **Zinc Coatings**. Publication by American Galvanizers Association, Centennial, CO.
- AGA (2008). **Hot-Dip Galvanized Steel vs. Zinc Spray Metallizing**. Publication by American Galvanizers Association, Centennial, CO.
- Aschenbroich, H. (2009). **Personal Communication**. Con-Tech Systems.
- ASTM (2010). **Annual Book of ASTM Standards – Section 0: Construction**. ASTM International, West Conshohocken, PA, www.astm.org.
- ASTM A615 / A615M - 09b **Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement**, ASTM International, West Conshohocken, PA, DOI: 10.1520/A0615_A0615M-09B, www.astm.org.
- ASTM D2487 - 10 **Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)**, ASTM International, West Conshohocken, PA, DOI: 10.1520/D2487-10, www.astm.org.
- Beeby, A. W. (1978). **Corrosion of Reinforcing Steel in Concrete and Its Relation to Cracking**. The Structural Engineer, Volume 56A, Issue 3, pp. 77-81.
- Burrows, R.W. (1998), **The Visible and Invisible Cracking of Concrete**. Monograph No. 11, American Concrete Institute, Farmington Hill, MI, 78 pp,
- CALTRANS (2003). **Corrosion Guidelines**. Version 1.0. California Department of Transportation, Division of Engineering Services, Materials Engineering and Testing Services, Corrosion Technology Branch, Sacramento, California.

-
- CEN (2009) **Execution of Special Geotechnical Works - Soil Nailing..** European Standard – Final Draft FprEN 14490.
- CLOUTERRE (1993). **Recommendations CLOUTERRE 1991 – Soil Nailing Recommendations 1991.** English Translation, Presses de l’Ecole Nationale des Ponts et Chaussees, Paris, France.
- DIN (1985). **Korrosionswahrscheinlichkeit Metallischer Werkstoffe bei äußerer Korrosionsbelastung.** [“Corrosion Probability of Metallic Materials Subjected to External Corrosion”] DIN 50 929-3, Deutsches Institut für Normung, Berlin
- FHWA (1990). **Durability/Corrosion of Soil Reinforced Structures.** Publication No. FHWA-RD-89-186 (Author: Elias, V.).
- FHWA (1996). **Manual for Design & Construction of Soil Nail Walls.** Publication No. FHWA-SA-96-069-R (Authors: Byrne, R.J., Cotton, D., Porterfield, J., Wolschlag, C., and Ueblacker, G.)
- FHWA (1999). **Ground Anchors and Anchored Systems,** Geotechnical Engineering Circular No. 4, Report No. FHWA-IF-99-015 (Authors: Sabatini, P.J., Pass, D.G. and Bachus, R.C.).
- FHWA (2003). **Soil Nail Walls,** Geotechnical Engineering Circular No. 7, Report No. FHWA-IF-03-017 (Authors: Lazarte, C.A., Elias, V., Espinoza, D.R. and Sabatini, P.J.).
- FHWA (2006). **Hollow-Core Soil Nails – State-of-the-Practice.** (Authors: Samtani, N. C. and Nowatzki, E. A.), Publication No. Unassigned. Available at <http://www.cflhd.gov/>.
- Fidjestol, P. and Nilsen, N. (1980). **Reinforcement Corrosion in Concrete.** Performance of Concrete in Marine Environment, Volume, SP-65, pp. 205-221.
- FIP (1986). **State of the Art Report – Corrosion and Corrosion Protection of Prestressed Ground Anchorages,** Fédération Internationale de la Précontrainte (FIP) Commission on Practical Construction, Published by Thomas Telford.
- Geoguide 7 (2008). **Guide to Soil Nail Design and Construction,** Geotechnical Engineering Office, Civil Engineering and Development Department, The Government of The Hong Kong Special Administrative Region.
- Goto, Y. (1971). **Cracks Formed in Concrete Around Deformed Tension Bars.** Journal of the American Concrete Institute, Volume 68, Issue No. 4, pp. 244-251.
-

-
- Hamilton, H. R. III, Breen, J. E., and Frank, K. H. (1995). **Investigation of Corrosion Protection Systems for Bridge Stay Cables**. Research Report No. 1264-3F, Research Project No. 0-1264 (Corrosion Protection for Post-Tension Tendons and Cable Stay Systems), Center for Transportation Research – Bureau of Engineering Research at the University of Texas at Austin, Conducted for the Texas Highway Department.
- Hegger, J. and Roeser, W. (2006). **Zum Tragverhalten von Mikropfählen vom Typ Ischebeck TITAN 40/20 bis 103/51**. [“Concerning the Supporting Behavior of Micropiles of Type Ischebeck 40/20 to 103/51”] Report No. G04-19, submitted to Friedr. Ischebeck GmbH.
- Houlsby, A C. (1990). **Construction and Design of Cement Grouting - A Guide to Grouting in Rock Foundations**, pp 10-28, John Wiley & Sons, New York.
- Houston, J. T., Atimtay, E., and Ferguson (1972). **Corrosion of Reinforced Steel Embedded in Structural Concrete**, Research Report No. 112-1F, Research Project No. 3-5-68-112 (Crack Width-Corrosion Study), Center for Highway Research at The University of Texas at Austin, Conducted for the Texas Highway Department.
- ISO 12944-2:1998 **Paints and varnishes -- Corrosion protection of steel structures by protective paint systems -- Part 2: Classification of environments**
- Key to Metals.Steel. (2009). **Epoxy coated reinforcement: Part One**.
<http://steel.keytometals.com/default.aspx>.
- NCHRP (2006). **Manual on Service Life of Corrosion-Damaged Reinforced Concrete Bridge Superstructure Elements**, Transportation Research Board, NCHRP Report 558. (Author: Sohangpurwala, A. A.)
- TRL (1987). **Soil Corrosivity Assessment. (Contractor Report 54)**. Transport and Road Research Laboratory, Crowthorne, UK., (Authors: Eyre, D. & Lewis, D.A.)
- TRL (1993). **The Development of Specification for Soil Nailing**, Research Report 380, Ground Engineering Resources Centre, Transport Research Laboratory, Crowthorne, Berkshire, England. (Author: Murray, R. T.)
- PTI (1996). **Recommendations for Prestressed Rock and Soil Anchors, 3rd Edition**. Post Tensioning Institute, Phoenix, AZ.
- PTI (2004). **Recommendations for Prestressed Rock and Soil Anchors, 4th Edition**. Post Tensioning Institute, Phoenix, AZ.
- Reschke, A. E. (2000). **The Development of Colloidal Mixer Based CRF Systems**, MINEFILL '98, Brisbane, Australia, 1998 (Rev. 2000).

- Schießl, P. (1999). **Expert Opinion**. Geo-Support Catalogue, Con-Tech Systems, Ltd.
- SIA (2003). **Geotechnical Design – Code SIA 267 of the Swiss Society of Engineers and Architects**, Registered Code of the Swiss Standards Association, Zurich, Switzerland.
- Zilch, K. and Müller, H. H. (1997). **Bericht über die Prüfung eines ausgegrabenen Ankerabschnitts bewehrt mit Ankerstahl TITAN 30/11 als Dehnkörper**. Report No. 1250/Mü/2800/523 of the Technical University of Munich, Germany (English Translation by Dr. Thomas Schmitz - **Report About the Testing of an Anchor Section Reinforced with a TITAN 30/11 Hollow Bar as Tension Element**).