



Sci-Tech & Engineering Resources 101

Transportation Engineering Resources

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Space Shuttle/NASA Resources:

- ▶ California Science Center. 2013. *California Science Center*. Accessed March 10, 2013, at: <http://www.californiasciencecenter.org/MainPage.php> (last updated May 10, 2013).
- ▶ Ingalls, Bill. "Endeavour Makes Its Final Journey". *NASA Image of the Day Gallery*, October 15, 2012.
http://www.nasa.gov/multimedia/imagegallery/image_feature_2374.html
- ▶ Mather, Kate. 2012. "Space shuttle Endeavour to make 12-mile trek on L.A. streets." *Los Angeles Times*, August 09, 2012.
<http://articles.latimes.com/2012/aug/09/local/la-me-endeavour-20120809>
- ▶ Tripline, Inc. 2013. *Tripline*. Accessed March 10, 2013, at: <http://www.tripline.net/> (last updated May 10, 2013).

Journal Title	Years	Publisher
Computer-Aided Civil and Infrastructure Engineering	1998-	Wiley
IEEE Transactions on Intelligent Transportation Systems	2000-	IEEE
IEEE Transactions on Vehicular Technology	1967-	IEEE
IEEE Vehicular Technology Magazine	2006-	IEEE
Journal of Transportation Engineering-ASCE	1983-	ASCE
Transportation	1972-	Springer
Transportation Research Part A-Policy and Practice	1979-	Elsevier
Transportation Research Part B-Methodological	1979-	Elsevier
Transportation Research Part C-Emerging Technologies	1993-	Elsevier
Transportation Research Part D-Transport and Environment	1996-	Elsevier
Transportation Research Part E-Logistics and Transportation Review	1997-	Elsevier
Transportation Research Record	1974-	TRB
Transportation Science	1967-	Operations Research Society of America

Handbooks

- ▶ AASHTO 2010. *Highway Safety Manual*. Washington DC: AASHTO
- ▶ AASHTO. 2011, 6th ed. *A Policy on Geometric Design of Highways and Streets*. [known as “The Green Book.”] Washington DC: AASHTO
- ▶ American Concrete Institute. 2013. *ACI Manual of Concrete Practice*. Detroit: ACI
- ▶ AREMA. 2005. *Practical Guide to Railway Engineering*. Lanham, MD: AREMA
- ▶ Bosch, R. 2011, 8th ed. *Bosch Automotive Handbook*. Warrendale, PA: SAE International
- ▶ Currin, T.R. 2013, 2nd ed. *Introduction to Traffic Engineering: A Manual for Data Collection and Analysis*. Independence, KY: Nelson Engineering
- ▶ Horonjeff, R. 2010, 5th ed. *Planning and Design of Airports* New York: McGraw-Hill
- ▶ Iwnicki, S. 2006. *Handbook of Railway Vehicle Dynamics*. Boca Raton, FL: CRC Press
- ▶ Kutz, M. 2008. *Environmentally Conscious Transportation*. Hoboken, NJ: Wiley
- ▶ Kutz, M. 2011, 2nd ed. *Handbook of Transportation Engineering*. New York: McGraw-Hill
- ▶ Mannering, FL. 2013, 5th ed. *Principles of Highway Engineering and Traffic Analysis*. Hoboken, NJ: Wiley
- ▶ Parke, G., Hewson, N. 2008, 2nd ed. *ICE Manual of Bridge Engineering*. London : Thomas Telford

Databases:

- ▶ ASCE Civil Engineering Database (CEDB): <http://cedb.asce.org/>
- ▶ Compendex (via EV2): <http://www.engineeringvillage.com/>
- ▶ Knovel: <http://www.knovel.com/web/portal/main>
- ▶ National Library of Energy (DOE): <http://www.osti.gov/nle/>
- ▶ National Technical Information Service (NTIS) Technical Reports Search: <http://www.ntis.gov/search/index.aspx>
- ▶ Transportation Research Board Database(TRID): <http://trid.trb.org/>

Websites:

- ▶ Intelligent Transportation System (ITS) Standards
<http://www.ite.org/standards/index.asp>
- ▶ International Transport Forum/Joint Research Centre of the OECD
<http://www.internationaltransportforum.org>
- ▶ The National Transportation Library (NTL) <http://ntl.bts.gov/>

Association	Acronym	URL
American Association of State Highway and Transportation Officials	AASHTO	http://www.transportation.org/
American Society of Civil Engineers	ASCE	http://www.asce.org/
American Society of Naval Engineers	ASNE	https://www.navalengineers.org/
International Road Federation	IRF	http://www.irfnet.org/
Institute of Transportation Engineers	ITE	http://www.ite.org/
SAE International	SAE	http://www.sae.org/
Transportation Association of Canada	TAC	http://www.tac-atc.ca/

For More Information:

- ▶ Osif, BA. 2011, 2nd ed. *Using the Engineering Literature*. Boca Raton, FL: CRC Press
- ▶ Sci/Tech 101 Blog: http://sla-divisions.typepad.com/scitech_101

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