

## REFERENCES:

- Andersen, D., & Jang, Y. (2021). Biodiversity and Transportation Infrastructure in the Republic of Korea: A Review on Impacts and Mitigation in Developing the Country. *Diversity*, 13(11), 519.
- Alexander, S. M., & Waters, N. M. (2000). The effects of highway transportation corridors on wildlife: a case study of Banff National Park. *Transportation Research Part C: Emerging Technologies*, 8(1-6), 307-320.
- Balkenhol, N., & Waits, L. P. (2009). Molecular road ecology: exploring the potential of genetics for investigating transportation impacts on wildlife. *Molecular ecology*, 18(20), 4151-4164.
- Cain, A. T., Tuovila, V. R., Hewitt, D. G., & Tewes, M. E. (2003). Effects of a highway and mitigation projects on bobcats in Southern Texas. *Biological Conservation*, 114(2), 189-197.
- Chen, X., & Wu, S. (2014). Examining patterns of animal-vehicle collisions in Alabama, USA. *Human-Wildlife Interactions*, 8(2), 235
- Clevenger, A. P. (2005). Conservation value of wildlife crossings: measures of performance and research directions. *Gaia-Ecological Perspectives for Science and Society*, 14(2), 124-129.
- Clevenger, A.P., Chruszcz, B., Gunnison, K. (2003). Spatial patterns and factors influencing small vertebrate fauna road-kill aggregations. *Biological Conservation* 109, 15–26.
- Clevenger, A. P., & Waltho, N. (2005). Performance indices to identify attributes of highway crossing structures facilitating movement of large mammals. *Biological conservation*, 121(3), 453-464.
- Clevenger, A. P., Wierzchowski, J., Chruszcz, B., & Gunson, K. (2002). GIS-generated, expert-based models for identifying wildlife habitat linkages and planning mitigation passages. *Conservation biology*, 16(2), 503-514
- Cook, K. E., & Daggett, P. M. (1995). Highway roadkill, safety, and associated issues of safety and impact on highway ecotones.
- Cuperus, R., Canters, K. J., de Haes, H. A. U., & Friedman, D. S. (1999). Guidelines for ecological compensation associated with highways. *Biological Conservation*, 90(1), 41-51.
- Foster, M. L., & Humphrey, S. R. (1995). Use of highway underpasses by Florida panthers and other wildlife. *Wildlife Society Bulletin (1973-2006)*, 23(1), 95-100.
- Glista, D. J., DeVault, T. L., & DeWoody, J. A. (2009). A review of mitigation measures for reducing wildlife mortality on roadways. *Landscape and urban planning*, 91(1), 1-7.

- Gloyne, C. C., & Clevenger, A. P. (2001). Cougar Puma concolor use of wildlife crossing structures on the Trans-Canada highway in Banff National Park, Alberta. *Wildlife Biology*, 7(2), 117-124. doi:10.2981/wlb.2001.009
- GRA, R. L., & PI, D. Z. (2003). Evaluation of Best Management Practices for Mitigating Impacts of Highways on Stream and Wildlife Ecology.
- Grovenburg, T. W., Jenks, J. A., Klaver, R. W., Monteith, K. L., Galster, D. H., Schauer, R. J., ... & Delger, J. A. (2008). Factors affecting road mortality of white-tailed deer in eastern South Dakota. *Human-Wildlife Conflicts*, 2(1), 48-59. Retrieved from <https://www.jstor.org/stable/24875105>
- Gunson, K. E., Mountrakis, G., & Quackenbush, L. J. (2011). Spatial wildlife-vehicle collision models: A review of current work and its application to transportation mitigation projects. *Journal of environmental management*, 92(4), 1074-1082.
- Hardy, A., Clevenger, A. P., Huijser, M., & Neale, G. (2003). An overview of methods and approaches for evaluating the effectiveness of wildlife crossing structures: emphasizing the science in applied science.
- Jackson, S. D. (1999, September). Overview of transportation related wildlife problems. In *Proceedings of the International Conference on Wildlife Ecology and Transportation*. State of Florida Department of Transportation, Tallahassee, Florida. FL-ER-73-99 (pp. 1-4).
- Jackson, S. D. (2000). Overview of transportation impacts on wildlife movement and populations. *Wildlife and highways: seeking solutions to an ecological and socio-economic dilemma*. *The Wildlife Society*, 7-20.
- Jackson, S. D., & Griffin, C. R. (2000). A strategy for mitigating highway impacts on wildlife. *Wildlife and highways: seeking solutions to an ecological and socio-economic Dilemma*. *The Wildlife Society*, 143-159.
- Jacobson, S. L. (2005). Mitigation measures for highway-caused impacts to birds. *General technical report PSWGTR-191*. US Department of Agriculture, Forest Service, Albany, California, 1043-1050.
- Malo, J. E., Suárez, F., & Díez, A. (2004). Can we mitigate animal-vehicle accidents using predictive models?. *Journal of applied ecology*, 41(4), 701-710.
- McCollister, M. F., & Van Manen, F. T. (2010). Effectiveness of wildlife underpasses and fencing to reduce wildlife-vehicle collisions. *Journal of Wildlife Management*, 74(8), 1722-1731.
- McLellan, B. N., & Shackleton, D. M. (1988). Grizzly bears and resource-extraction industries: effects of roads on behaviour, habitat use and demography. *Journal of Applied Ecology*, 451-460.
- McNaughton, E. J., Beggs, J. R., Gaston, K. J., Jones, D. N., & Stanley, M. C. (2021). Retrofitting streetlights with LEDs has limited impacts on urban wildlife. *Biological Conservation*, 254, 108944.

- Manaugh, K., Badami, M. G., & El-Geneidy, A. M. (2015). Integrating social equity into urban transportation planning: A critical evaluation of equity objectives and measures in transportation plans in North America. *Transport policy*, 37, 167-176. Retrieved from <https://doi.org/10.1016/j.tranpol.2014.09.013>
- Mayadunnage, S., Colombage, S.S., Weerakoon, D.K., & Mampearachchi, W.K. (2014). Animal collision induced road accidents in the Southern Expressway [Abstract]. In H.R. Pasindu (Ed.), Proceedings of the Transportation Research Forum 2014 (pp. 15-16). Department of Civil Engineering, University of Moratuwa. [https://uom.lk/sites/default/files/civil/files/TRF%202014\\_0.pdf](https://uom.lk/sites/default/files/civil/files/TRF%202014_0.pdf)
- Ng, S. J., Dole, J. W., Sauvajot, R. M., Riley, S. P., & Valone, T. J. (2004). Use of highway undercrossings by wildlife in southern California. *Biological Conservation*, 115(3), 499-507. Retrieved from [https://doi.org/10.1016/S0006-3207\(03\)00166-6](https://doi.org/10.1016/S0006-3207(03)00166-6)
- Polak, T., Rhodes, J. R., Jones, D., & Possingham, H. P. (2014). Optimal planning for mitigating the impacts of roads on wildlife. *Journal of applied ecology*, 51(3), 726-734.
- Putnam, R. J. (1997). Deer and road traffic accidents: options for management. *Journal of Environmental Management*, 51(1), 43-57.
- Romin, L. A., & Bissonette, J. A. (1996). Deer: vehicle collisions: status of state monitoring activities and mitigation efforts. *Wildlife Society Bulletin*, 276-283.
- Rosen, P. C., & Lowe, C. H. (1994). Highway mortality of snakes in the Sonoran Desert of southern Arizona. *Biological Conservation*, 68(2), 143-148
- Rondinelli, D., & Berry, M. (2000). Multimodal transportation, logistics, and the environment: managing interactions in a global economy. *European Management Journal*, 18(4), 398-410. doi:10.1016/S0263-2373(00)00029-3
- Rodrigo, M. (2014, August 24). Peacocks' tragic dance of death on expressway. *The Sunday Times*. Retrieved from <http://www.sundaytimes.lk/140824/sunday-times-2/peacocks-tragic-dance-of-death-on-expressway-114831.html>
- Rodrigo, M. (2014, August 31). Wildlife deaths and how to avoid them. *The Sunday Times*. Retrieved from <http://www.sundaytimes.lk/140831/sunday-times-2/this-love-affair-with-a-beauty-is-breaking-down-115628.html>
- Rooshdi, R. R. R. M., Ab Rahman, N., Baki, N. Z. U., Majid, M. Z. A., & Ismail, F. (2014). An evaluation of sustainable design and construction criteria for green highway. *Procedia Environmental Sciences*, 20, 180-186.
- Rytwinski, T., Van Der Ree, R., Cunnington, G. M., Fahrig, L., Findlay, C. S., Houlahan, J., ... & van der Grift, E. A. (2015). Experimental study designs to improve the evaluation of road mitigation measures for wildlife. *Journal of Environmental Management*, 154, 48-64.

- Sawyer, H., Lebeau, C., & Hart, T. (2012). Mitigating roadway impacts to migratory mule deer—a case study with underpasses and continuous fencing. *Wildlife Society Bulletin*, 36(3), 492-498.
- Shaffer, M. L. (1981). Minimum population sizes for species conservation. *BioScience*, 31(2), 131-134.
- Shaffer, M. L., & Samson, F. B. (1985). Population size and extinction: a note on determining critical population sizes. *The American Naturalist*, 125(1), 144-152.
- Sullivan, T. L., & Messmer, T. A. (2003). Perceptions of deer-vehicle collision management by state wildlife agency and department of transportation administrators. *Wildlife Society Bulletin*, 163-173.
- Taylor, B. D., & Goldingay, R. L. (2010). Roads and wildlife: impacts, mitigation, and implications for wildlife management in Australia. *Wildlife Research*, 37(4), 320-331.
- Trombulak, S. C., & Frissell, C. A. (2000). Review of ecological effects of roads on terrestrial and aquatic communities. *Conservation biology*, 14(1), 18-30.
- Upekshika, U. J. D., Dharmasena, J., & Weerakoon, D. (2017). Fractured landscapes study on landscape fragmentation and degradation due to expressways. Retrieved from van der Ree, R., van der Grift, E., Gulle, N., Holland, K., Mata, C., & Suarez, F. (2007).
- Van der Grift, E. A., van der Ree, R., Fahrig, L., Findlay, S., Houlahan, J., Jaeger, J. A., & Olson, L. (2013). Evaluating the effectiveness of road mitigation measures. *Biodiversity and Conservation*, 22(2), 425-448
- Ward, A. I., Dendy, J., & Cowan, D. P. (2015). Mitigating impacts of roads on wildlife: an agenda for the conservation of priority European protected species in Great Britain. *European Journal of Wildlife Research*, 61, 199-211.
- Wildlife Institute of India. (2016). *Eco-friendly measures to mitigate impacts of linear infrastructure on wildlife*. Dehradun, India
- Zoker, M. E., Karim, S., Jones, A. T., & Williams, M. (2022). An assessment on the effects of road constructions on ecological biodiversity and livelihood in Bo City, Southern Sierra Leone.